

EMERGENCY AND FIRST AID PROCEDURES

- EYE CONTACT:** Flush with water for 15 minutes while holding eyelids open. Get medical attention.
- SKIN CONTACT:** Flush with water. Follow by washing with soap and water. Remove contaminated clothing and do not reuse until laundered. If irritation persists, get medical attention.
- INHALATION:** Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get Medical attention.
- INGESTION:** DO NOT INDUCE VOMITING, If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention. **

**** NOTE TO THE PHYSICIAN:** If more than 2.0 ml per kg has been ingested and vomiting has **not occurred**, emesis should be induced with supervision. Keep victim head **below** hips to prevent aspiration. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, **gastric lavage** using a cuffed endotracheal tube should be considered.

WASTE DISPOSAL METHOD

Dispose of in a facility approved under RCRA regulations for hazardous waste. Containers must be leak proof and **tightly** sealed.

ENVIRONMENTAL HAZARDS

This product is an oil under the clean water act. **KEEP OUT OF SURFACE WATERS AND ANY WATER COURSES OR SEWERS ENTERING OR LEADING TO SURFACE WATERS.**

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MATERIAL SAFETY DATA SHEET

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)



CHEMICAL NAME: Solvent Blend *DISCONTINUED*
SYNONYMS: ---- **CHEMICAL FAMILY:** ----
FORMULA: --- **MOLECULAR WEIGHT:** ---
TRADE NAME AND SYNONYMS: Gare All-Purpose Brush Cleaner

I. PHYSICAL DATA

BOILING POINT, 760 mm. Hg	340.00 Deg. F.	FREEZING POINT	N/A
SPECIFIC GRAVITY (H ₂ O = 1)	.76	VAPOR PRESSURE AT 20°C.	0.88 MMHG
VAPOR DENSITY (air = 1)	5.3	SOLUBILITY IN WATER, % by wt.	54.8%
PER CENT VOLATILES BY VOLUME	90%	EVAPORATION RATE (Butyl Acetate = 1)	< 0.1
APPEARANCE AND ODOR	tight Colored Liquid. Faint Hydrocarbon odor		

II. HAZARDOUS INGREDIENTS

MATERIAL	%	TLV (Units)
Petroleum Aliphatic Hydrocarbon	50	500 ppm (PEL/TWA) OSHA
Glycol Ether	40	50 ppm-skin (PEL) 25 ppm-skin (TLV)

III. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (test method)	125 Deg. F. (TCC)	AUTOIGNITION TEMPERATURE	---
FLAMMABLE LIMITS IN AIR, % by volume	LOWER 1	UPPER 6	

EXTINGUISHING MEDIA Use water fog, foam, dry chemical or CO₂. Do not use a direct stream of water. Product will float and can be reignited on surface of water.

SPECIAL FIRE FIGHTING PROCEDURES Self-contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point.

EMERGENCY PHONE NUMBER

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While we believe that the data contained herein are factual and the opinions expressed are those of qualified experts regarding the results of the tests conducted, the data are not to be taken as a warranty or representation for which we assume legal responsibility. They are offered solely for your consideration, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and local laws and regulations.

IV. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	See Section II
EFFECTS OF OVEREXPOSURE	<p>Eyes: Can cause severe irritation, redness, tearing, blurred vision Skin: Prolonged or repeated contact can cause moderate irritation, dermatitis. Can be absorbed in toxic amounts.</p> <p>Breathing: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation.</p> <p>Swallowing: can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.</p>
EMERGENCY AND FIRST AID PROCEDURES	SEE PAGE 3

V. REACTIVITY DATA

STABILITY		CONDITIONS TO AVOID	Avoid heat, open flames and strong oxidizing agents,
UNSTABLE	STABLE xxx		
INCOMPATIBILITY (materials to avoid)		Strong oxidizing agents	
HAZARDOUS DECOMPOSITION PRODUCTS		Carbon monoxide, carbon dioxide and unidentified organics may be formed during combustion.	
HAZARDOUS POLYMERIZATION		CONDITIONS TO AVOID	"
May Occur	Will not Occur xxx		

VI. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	<p>Small Spills: take up with an absorbent material and place in leak proof drums for disposal.</p> <p>Large Spills: Eliminate potential source of ignition. Wear appropriate respirator and protective clothing. Shut off source if safe to do so. Dike and contain. Remove with vacuum trucks, or pump to storage/salvage vessels. Soak up residue with absorbent material. Place in leak proof drums. Flush area with water to remove trace residue.</p>
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VII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)	Use a NIOSH/MSHA jointly approved air supplied respirator		
VENTILATION	LOCAL EXHAUST	Sufficient to maintain below TLV	SPECIAL --
	MECHANICAL (general)	Use explosion proof	OTHER --
PROTECTIVE GLOVES	Wear resistant gloves		EYE PROTECTION Chemical splash goggles are advised.
OTHER PROTECTIVE EQUIPMENT	To prevent repeated or prolonged contact with skin, wear impervious clothing and boots.		

VIII. SPECIAL PRECAUTIONS

PRECAUTIONARY LABELING	<p>Caution! Combustable!</p> <p>Store away from strong oxidizing agents in a cool, dry place, with adequate ventilation. Keep away from heat and open flames. Keep containers tightly sealed.</p>
OTHER HANDLING AND STORAGE CONDITIONS	Wash with soap and water before eating-, drinking, smoking or using toilet facilities. Launder contaminated clothing before reuse.

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MATERIAL SAFETY DATA SHEET
 (Complies with OSHA Communication Standard 29 CFR 1910.1200 Dept. of Labor)
 Form approved OMB No. 12186072
 OSHA 174 - Sept 1985

NFPA Rating	
Health	3
Flammability	4
Reactivity	1

IDENTITY:

GLOSS
nr 3148

Section I

Manufacturer's Name	Aerosol Systems, Inc	Emergency Telephone Number	(216) 467-4195
Address	91 SO Valley View Road	Telephone Number for Information	(216) 467-4195
	Macedonia, OH 44056	Date Prepared	1/26/90
Marketers name must be used above per OSHA		Signature of Preparer (optional)	

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Names(s))	OSHA PEL	ACGIH TLV	STEL	%(optional)
Isopropyl Acetate (108-21-4)	250	250	310	24
* 1,1,1 Trichloroethane (71-55-6)	350	350	450	8
*Toluene (108-88-3)	200	100	150	19
Diactone Alcohol (123-43-2)	50	50	not available	3
* Xylene (1330-20-7)	100	100	150	10
Propane/isobutane (74-98-6)	1000	1000	asphyxiant	25
Non hazardous				tt

The acceptable ceiling concentration for toluene is 300 ppm Acceptable maximum peak above the acceptable ceiling concentration for an 8 hour shift is 500 ppm for 10 minutes for toluene.

(SEE ATTACHED SHEET FOR STATEMENT.)

DOT SHIPPING - Consumer Commodity ORM-D

Section III - Physical/Chemical Characteristics

Boiling Point	Range	-40°F to 284°F	Specific Gravity (H ₂ O = 1)	0.8
Vapor Pressure P SIG @ 70°F		65	Melting Point	Liquid NA
Vapor Density (AIR = 1)	Heavier than Air	4.0	Evaporation Rate	(Butyl Acetate = 1) >1
Solubility in Water	NONE			

Appearance and Odor

CLEAR/SOLVENT ODOR

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
-40°F T. C. C.		1.8	2.0

Extinguishing Media

Use water fog, dry chemical or carbon dioxide

Special Fire Fighting Procedures

Aerosol cans may rupture when heated

Unusual Fire and Explosion Hazards

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Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	High Temperatures

Incompatibility (Materials to Avoid) **The above solvents are incompatible with strong oxidizers. Not compatible with active metals.**

Hazardous Decomposition or Byproducts

In fire will decompose to water, carbon dioxide, halogen acids and phosgene.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will not Occur	X	None

Section VI - Health Hazard Data

Route(s) of Entry:	inhalation?	Skin?	ingestion?
	Yes	Yes	Yes

Health Hazards (Acute and Chronic)

May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin.

Effects are reversible. Long term exposure (years) vapor may cause lung, liver or kidney damage. The solvents listed have been reported to affect the central nervous system.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	Presently not on any list.		

Signs and Symptoms of Exposure

Inhalation - Difficulty in breathing. Skin-redness Ingestion-vomiting.

Medical Conditions

Generally Aggravated by Exposure: Heart Disease; Respiratory Disorders.

Emergency and First Aid Procedures

Give oxygen - Do not induce vomiting - Gastric lavage - Wash eyes and skin with water.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:
Use absorbent sweeping compound to soak up material. Put into container. Dispose as hazardous waste.

Waste Disposal Method
Dispose as hazardous waste in accordance with EPA RCRA

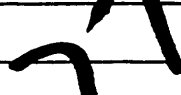
Precautions to be Taken in Handling and Storing
Keep away from heat, sparks, or open flame Store at temperatures below 120°F.

Other Precautions **When spraying more than one half can continuously or more than one can consecutively, use NIOSH approved respirator.**

Section VIII - Control Measures

Respiratory Protection (Specify Type)
Self contained breathing apparatus if above TLV limit exceeding.

Ventilation	Local Exhaust	Yes	Special	None
	Mechanical (General)	None	Other	None



Protective Gloves	None required if spraying	Eye Protection	Wear eye protection
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Other Protective Clothing or Equipment
Long sleeve and long pants

STATEMENT FOR TM 3148 GLOSS

***All chemical compounds marked with an asterisk (*) are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Super fund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture or trade name product is sold. This statement must remain a part of this Material Safety Data Sheet. This statement must not be detached. Any copy or redistribution of this Material Safety Data Sheet shall include this statement.**

A handwritten signature or set of initials, possibly 'fb', located in the bottom right corner of the page.

MATERIAL SAFETY DATA SHEET
 (Complies with OSHA Communication Standard 29 CFR 1910.1200 Dept. of Labor)
 Form approved OMB No. 1218-0072
 OSHA 174 - Sept. 1985

NFPA Rating	
Health	2
Flammability	4
Reactivity	0

IDENTITY:

**HIGH GLOSS
TM 3165**

Section I

Manufacturer's Name	Aerosol Systems, Inc	Emergency Telephone Number	(216) 467-4195
Address	9150 Valley View Road	Telephone Number for Information	(216) 467-4195
	Macedonia, OH 44056	Date Prepared	12/19/89
-Marketers name must be used above per OSHA		Signature of Preparer (optional)	4

Section II • Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Names(s))	OSHA PEL	ACGIH TLV	STEL	%(optional)
* Toluene (108-88-3)	200	100	150	47
Diacetone Alcohol (123-42-2)	50	50	not available	2
* 1,1,1 Trichloroethane (71-55-6)	350	350	450	10
* Xylene (1330-20-7)	100	100	150	6
Propane/Isobutane (74-98-6)	1000	1000	asphyxiant	23
Non hazardous				12

The acceptable ceiling concentration for toluene is 300 ppm. Acceptable maximum peak above the acceptable ceiling concentration for an 8 hour shift is 500 ppm for 10 minutes for toluene.

(SEE ATTACHED SHEET FOR STATEMENT.)

DOT SHIPPING • Consumer Commodity ORM-D

Section III • Physical/Chemical Characteristics

Boiling Point	Range	- 40°F to 289°F	Specific Gravity (H₂O = 1)	0.8
Vapor Pressure PSIG @70°F		60	Melting Point	Liquid NA
Vapor Density (AIR = 1)	Heavier than Air	4.0	Evaporation Rate	(Butyl Acetate = 1) >1

Solubility in Water

NONE

Appearance and Odor

CLEAR/SOLVENT ODOR

Section IV- Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
40°F T C C		1.8	12.0

Washing Media

Use water fog, dry chemical or carbon dioxide --

Special Fire Fighting Procedures

Aerosol cans may rupture when heated.

Unusual Fire and Explosion Hazards

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Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	High Temperatures

Incompatibility (Materials to Avoid) **The above solvents are incompatible with strong oxidizers. Not compatible with active metals.**

Hazardous Decomposition or Byproducts

In fire will-decompose to water, carbon dioxide, halogen acids and phosgene.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will not Occur	X	None

Section VI - Health Hazard Data

Route(s) of Entry.	Inhalation? Yes	Skin? Yes	Ingestion? Yes
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Health Hazards (Acute and Chronic)

May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin.

Effects are reversible. Long term exposure (years) vapor may cause lung, liver or kidney damage. The solvents

listed have been reported to affect the central nervous system.

Carcinogenicity:	NTP? Presently not on any list.	IARC Monographs?	OSHA Regulated?
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Signs and Symptoms of Exposure

Inhalation • Difficulty in breathing. Skin-redness Ingestion-vomiting.

Medical Conditions

Generally Aggravated by Exposure: Heart Disease; Respiratory Disorders.

Emergency and First Aid Procedures

Give oxygen • Do not induce vomiting • Gastric lavage • Wash eyes and skin with water.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:

Use absorbent sweeping compound to soak up material. Put into container. Dispose as hazardous waste.

Waste Disposal Method

Dispose as hazardous waste in accordance with EPA RCRA

Precautions to be Taken in Handling and Storing

Keep away from heat, sparks, or open flame Store at temperatures below 120°F.

Other Precautions **When spraying more than one nail can continuously or more than one can consecutively, use NIOSH approved respirator.**

Section VIII - Control Measures

Respiratory Protection (Specify Type)

Self contained breathing apparatus if above TLV limit exceeding.

Ventilation	Local Exhaust	Yes	Special	None
	Mechanical (General)	None	Other	None

Protective Gloves	None required if spraying	Eye Protection	Wear eye protection
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Other Protective Clothing or Equipment	Long sleeve and long pants
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STATEMENT FOR TM 3165 HIGH GLOSS

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Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	High Temperatures
Incompatibility (Materials to Avoid) The above solvents are incompatible with strong oxidizers. Not compatible with active metals.			
Hazardous Decomposition or Byproducts in fire will decompose to water, carbon dioxide, halogen acids and phosgene.			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will not Occur	X	None

Section VI - Health Hazard Data

Route(s) of Entry:	inhalation?	Skin?	ingestion?
	Yes	Yes	Yes

Health Hazards (Acute and Chronic)
 May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin.
 Effects are reversible. Long term exposure (years) vapor may cause lung, liver or kidney damage. The solvents listed have been reported to affect the central nervous system.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
Presently not on any list.			

Signs and Symptoms of Exposure
 inhalation - Difficulty in breathing. Skin-redness. Ingestion-vomiting.

Medical Conditions
 Generally Aggravated by Exposure; Heart Disease; Respiratory Disorders.

Emergency and First Aid Procedures
 Give oxygen - Do not induce vomiting - Gastric lavage - Wash eyes and skin with water.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:
 Use absorbent sweeping compound to soak up material. Put into container. Dispose as hazardous waste.

Waste Disposal Method
 Dispose as hazardous waste in accordance with EPA RCRA

Precautions to be Taken in Handling and Storing
 Keep away from heat, sparks, or open flame. Store at temperatures below 120°F.

Other Precautions **When spraying more than one half can continuously or more than one can consecutively, use NIOSH approved respirator.**

Section VIII - Control Measures

Respiratory Protection (Specify Type)
 Self contained breathing apparatus if above TLV limit exceeding.

Ventilation	Local Exhaust	Special
	Yes	None
	Mechanical (General)	Other
	None	None

Protective Gloves: None required if spraying
 Eye Protection: Wear eye protection

Other Protective Clothing or Equipment
 Long sleeve and long pants

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MATERIAL SAFETY DATA SHEET
 (Complies with OSHA Communication Standard 29 CFR 1910.1200 Dept. of Labor)
 Form approved OMB No. 1218-0072
 OSHA 174 • Sept 1985

N FPA Rating	
Health	3
Flammability	4
Reactivity	1

IDENTITY:

**CLEAR MATTE
TM-1415E**

Section I

Manufacturer's Name	Aerosol Systems, Inc.	Emergency Telephone Number	(216) 467-4195
Address	9150 Valley View Road	Telephone Number for Information	(216) 467-4195
	Macedonia, OH 44056	Date Prepared	1/26/90
Marketers name must be used above per OSHA		Signature of Preparer (optional)	

Section II • Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Names(s))	OSHA PEL	ACGIH TLV	STEL	%(optional)
*7inc Stearate(555-05-1)	15mg/m ³ (dust)	10mg/m ³ (dust)		3
*1,1,1 TRICHLOROETHANE (71-55-6)	350	350	450	10
*TOLUENE (108-88-3)	200	100	150	51
*XYLENE (1330-20-7)	100	100	150	4
DIACETONE ALCOHOL (123-42-Z)	50	50		2
PROPANE/ISOBUTANE (74-98-6)	1000	1000	Asphyxiant	23
NON-HAZARDOUS				8

The acceptable ceiling concentration for toluene is 300 ppm.
 Acceptable maximum peak above the acceptable ceiling concentration
 for an 8 hour shift is 500 ppm for 10 minutes for toluene.

(SEE ATTACHED SHEET FOR SARA TITLE III NOTIFICATION AND ADDITIONAL HEALTH DATA.)

DOT SHIPPING Consumer Commodity ORM-D

Section III • Physical/Chemical Characteristics

Boiling Point	Range	40°F to 285°F	Specific Gravity (H ₂ O=1)	0.8
Vapor Pressure PSIG @ 70°F		60	Melting Point	Liquid NA
Vapor Density (Air=1)	Heavier than Air	4.0	Evaporation Rate	(Butyl Acetate = 1) >1
Solubility in Water		NIL		

Appearance and Odor
CLEAR/SOLVENT ODOR

Section IV • Fire and Explosion Hazard Data

Flash Point (Method Used)	-40°F T.C.C.	Flammable Limits	LEL 1.8	UEL 12.0
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Extinguishing Media Use water fog, dry chemical or carbon dioxide

Special Fire Fighting Procedures
Aerosol cans may rupture when heated

Unusual Fire and Explosion Hazards

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STATEMENT FOR TM 1415E CLEAR MATTE

***All chemical compounds marked with an asterisk (*) are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Super fund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture or trade name product is sold., This statement must remain a, part of this Material Safety Data Sheet. This statement must not be detached. Any copy or redistribution of this Material Safety Data Sheet shall include this statement.**

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MATERIAL SAFETY DATA SHEET
 (Complies with OSHA Communication Standard 29 CFR 1910.1200 Dept. of Labor)
 Form approved OMB No. 1218-0072
 OSHA 174 - Sept 1985

NFPA Rating	
Health	3
Flammability	4
Reactivity	1

IDENTITY:

PORCELAIN SPRAY
TM- 3181

Section I

Manufacturer's Name	Aerosol Systems, Inc.	Emergency Telephone Number	(216) 467-4195
Address	9150 Valley View Road	Telephone Number for Information	(216) 467-4195
	Macedonia, OH 44056	Date Prepared	1/25/90
Marketers name must be used above per OSHA		Signature of Preparer (optional)	

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Names(s))	OSHA PEL	ACGIH TLV	STEL	% (optional)
Talc (14807-96-6)	20mppcf	2mg/m ³ (dust)		7
*Toluene (108-88-3)	200	100	150	38
*1,1,1 Trichloroethane (71-55-6)	350	350	450	12
Ethyl Acetate (141-78-6)	400	400	500	1 8
Propane/Isobutane (74-98-6)	1000	1000	asphyxiant	23
non hazardous				7

~~The acceptable ceiling concentration for toluene is 300 ppm. Acceptable maximum peak above the acceptable ceiling concentration for an 8 hour shift is 500 ppm for 10 minutes for toluene.~~

(SEE ATTACHED SHEET FOR STATEMENT.)

DOT SHIPPING - Consumer Commodity ORM-D

Section III - Physical/Chemical Characteristics

Boiling Point Range	-40°F to 232°F	Specific Gravity (H ₂ O = 1)	0.8
Vapor Pressure PSIG @ 70°F	50	Melting Point	Liquid N. A.
Vapor Density (AIR = 1) Heavier than Air	4.0	Evaporation Rate (Butyl Acetate = 1)	> 1
Solubility in Water	NONE		

Appearance and Odor

CLEAR/SOLVENT ODOR

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	-40°F T.C.C.	Flammable Limits	LEL 1.8	UEL 12.0
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Washing Media

Use water fog, dry chemical or carbon dioxide

Special Fire Fighting Procedures

Aerosol cans may rupture when heated

Unusual Fire and Explosion Hazards

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	High Temperatures

Incompatibility (Materials to Avoid) **The above solvents are incompatible with strong oxidizers. Not compatible with active metals.**

Hazardous Decomposition or Byproducts

In fire will decompose to CO₂, water, halogen acids and phosgene

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will not Occur	X	None

Section VI - Health Hazard Data

Route(s) of Entry.	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes

Health Hazards (Acute and Chronic)

May cause dizziness or narcosis in high vapor concentrations Will cause defatting of skin.

Effects are reversible. Long term exposure (years) vapor may cause lung, liver or kidney damage. The solvents

listed have been reported to affect the Central nervous System.

Carcinogenicity	NTP?	IARC Monographs?	OSHA Regulated?
Presently not on any list.			

Signs and Symptoms of Exposure

Inhalation - Difficulty in breathing. Skin-redness Ingestion-vomiting.

Medical Conditions

Generally Aggravated by Exposure: Heart Disease; Respiratory Disorders.

Emergency and First Aid Procedures

Give oxygen - Do not induce vomitino - Gastric lavaqe - Wash eyes and skin with water.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:

Use absorbent sweeping compound to soak up material. Put into container. Dispose as hazardous waste.

Waste Disposal Method

Dispose as hazardous waste in accordance with EPA RCRA

Precautions to be Taken in Handling and Storing

Keep away from heat, sparks, or open flame Store at temperatures below 120°F.

Other Precautions When spraying more than one half can continuously or more than one can consecutively, USE NIOSH approved respirator.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

Self contained breathing apparatus if above TLV limit exceeding.

Ventilation	Local Exhaust	Yes	Special	None
	Mechanical (General)	None	Other	None

Protective Gloves	None required if spraying . .	Eye Protection-	Wear eye protection
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Other Protective Clothing or Equipment
Long sleeve and long pants

STATEMENT FOR TM 3181 PORCELAIN SPRAY

***All chemical compounds marked with an asterisk (*) are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Super fund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture or trade name product is sold. This statement must remain a part of this Material Safety Data Sheet. This statement must not be detached. Any copy or redistribution of this Material Safety Data Sheet shall include this statement.**

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MATERIAL SAFETY DATA SHEET
 (Complies with OSHA Communication Standard 29 CFR 1910.1200 Dept of Labor)
 Form approved OMB No. 12184072
 OSHA 174 • Sept. 1985

NFPA Rating	
Health	3
Flammability	a
Reactivity	0

IDENTITY:

**PEARL
TM 1509**

DISCONTINUED

Section I

Manufacturer's Name	Aerosol Systems, Inc.	Emergency Telephone Number	(216) 467-4 195
Address	9150 Valley View Road	Telephone Number for Information	(216) 467-4195
	Macedonia, OH 44056	Date Prepared	10/31/89
Marketers name must be used above per OSHA		Signature of Preparer (optional)	<i>[Signature]</i>

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Names(s))	OSHA PEL	ACGIH TLV	STEL	% (optional)
*Acetone (67-64-1)	1000	750	1000	43
*2-Butoxyethanol (111-76-2)	25(skin)	25(ski	-	8
*Toluene (108-88-3)	200	100	150	8
*Methyl Isobutyl Ketone (108-10-1)	100	50	75	7
*Xylene (1330-20-7)	100	100	150	3
*Diethyl-Phthalate (117-8-7)	5mg/m ³	5mg/m ³	10mg/m ³	7
Isopropanol (67-63-0)	400	400	500	1
Propane/Isobutane (74-98-6)	1000	1000	Asphyxiant	20
Non Hazardous				8

(See attached sheet for SARA TITLE III Notification and additional health data.)

-DOT SHIPPING - Consumer Commodity ORM-D

Section III - Physical/Chemical Characteristics

Boiling Point	Range	-40°F to 724°F	Specific Gravity (H₂O = 1)	0.8
Vapor Pressure PSIG @ 70°F		55	Melting Point	Liquid NA
Vapor Density (AIR = 1)	Heavier than Air	4.0	Evaporation Rate	(Butyl Acetate = 1) >1

Solubility in Water
Nil

Appearance and Odor
Clear/Solvent Odor

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
-40°F T.C.C.		1.8	12.0

Extinguishing Media
Use water fog, dry chemical or carbon dioxide

Special Fire Fighting Procedures
Aerosol cans may rupture when heated

[Handwritten initials]

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	x	High Temperatures

Incompatibility (Materials to Avoid) **The above solvents are incompatible with strong oxidizers.**

Hazardous Decomposition or Byproducts **In fire will decompose to carbon dioxide and water.**

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will not Occur	X	None

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes

Health Hazards (Acute and Chronic)
 May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin
 Effects are reversible. Long term exposure (years) vapor may cause lung, liver or kidney damage. The solvents listed have been reported to affect the central nervous system.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
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Diocetyl Phthalate is a suspected carcinogen.

Signs and Symptoms of Exposure
 Inhalation • Difficulty in breathing. Skin-redness Ingestion-vomiting.

Medical Conditions
 Generally Aggravated by Exposure: Heart Disease; Respiratory Disorders.

Emergency and First Aid Procedures
 Give oxygen • Do not induce vomiting • Gastric lavage • Wash eyes and skin with water.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:
 Use absorbent sweeping compound to soak up material Put into container. Dispose as hazardous waste.

Waste Disposal Method
 Dispose as hazardous waste in accordance with EPA RCRA

Precautions to be Taken in Handling and Storing
 Keep away from heat, sparks, or open flame. Store at temperatures below 120°F.

Other Precautions **When spraying more than one half can continuously or more than one can consecutively, use NIOSH approved- respirator.**

Section VIII - Control Measures

Respiratory Protection (Specify Type)
 Self contained breathing apparatus if above TLV limit exceeding,

Respiratory Protection	Local Exhaust	Yes	Special	None
	Mechanical (General)	None	Other	None

Protective Gloves: None required if spraying
 Eye Protection: Wear eye protection

Other Protective Clothing or Equipment
 Long sleeve and long pants

Handwritten initials: DJ

ATTACHMENT FOR TM 1509 - PEARL

***All chemical compounds marked with an asterisk (*) are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Super fund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture or trade name product is sold. This statement must remain a part of this Material Safety Data Sheet. This statement must not be detached. Any copy or redistribution of this Material Safety Data Sheet shall include this statement.**

The acceptable ceiling concentration for toluene is 300 ppm Acceptable maximum peak above the acceptable ceiling concentration for an 8 hour shift is 500 ppm for 10 minutes for toluene.

Material Safety Data Sheet

May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFA 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
 (Non-Mandatory Form)
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 OMB No. 1218-0072



IDENTITY (As Used on Label and List)
 Gare SY-MIXIT and SY-Shade It

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Gare, Inc.	Emergency Telephone Number Regional Poison Control Center - Poisonsdex System
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street	Telephone Number for Information 508-373-9131
Haverhill, MA 01831	Date Prepared June 1989
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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HEALTH LABELING
 CONFORMS TO ASTM D2236
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 ART & CRAFT MATERIALS INSTITUTE
 BOSTON 02118

Products bearing the AP Approved Product Seal of The Art and Craft Materials Institute, inc. are certified in a program of toxicological **evaluation** by a medical expert to contain no materials in sufficient quantities to be toxic or injurious to humans or to cause **acute or chronic** health problems. This program is reviewed by the Institute's Toxicological Advisory Board. These products are **certified** by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236.

Section III — Physical/Chemical Characteristics

Boiling Point l. Water	212°F	Specific Gravity (H₂O = 1)	
Vapor Pressure (mm Hg.)	N/A	Melting Point	above 1000°F
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	as water

Solubility in Water
 Essentially insoluble

Appearance and Odor
 Clear or red liquid, practically odorless.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method used) Will not burn.	Flammable Limits N/A	LEL N/A	UEL N/A
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Extinguishing Media
 Not combustible. This is a water based product.

Special Fire Fighting Procedures
 None

Unusual fire and Explosion Hazards
 None

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Material Safety Data Sheet

May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor

occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072



IDENTITY (As used on Label and List) Sahara Stone and Stonewashed glazes SSG and SWG 7100 series.
 Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I Gem Stones GS-7200 Series

Manufacturer's Name <u>Gare, Inc.</u>	Emergency Telephone Number <u>Regional Poison Control Center-Poisondex System</u>
Address (Number, Street, City, State, and ZIP Code) <u>165 Rosemont Street</u>	Telephone Number for information <u>508-373-9131</u>
<u>Haverhill, MA 01830</u>	Date Prepared <u>June 1989</u>
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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HEALTH LABELING
 CONFORMS TO ASTM D4236
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 BOSTON 02116

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Section III — Physical/Chemical Characteristics

Boiling Point <u>Water</u>	<u>212°F</u>	Specific Gravity (H ₂ O = 1)	<u>1.3-1.5</u>
Vapor Pressure (mm Hg.)	<u>N/A</u>	Melting Point	<u>above 1000°F</u>
vapor Density (AIR = 1)	<u>N/A</u>	Evaporation Rate (Butyl Acetate = 1)	<u>as water</u>
Solubility in Water	<u>Essentially insoluble.</u>		
Appearance and Odor	<u>Colored liquid, pactly odorless.</u>		

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) <u>Will not burn.</u>	Flammable Limits <u>N/A</u>	LEL <u>N/A</u>	UEL <u>N/A</u>
Extinguishing Media	<u>Not combustible. This is a water based product.</u>		
Special Fire Fighting Procedures	<u>None</u>		

Unusual Fire and Explosion Hazards

None

Handwritten initials 'GZ' in the bottom right corner.

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
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IDENTITY (As Used on Label and List)
 Gare SY - WAX Resist

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Gare, Inc.	Emergency Telephone Number Regional Poison Control Center - Poisonsdex System
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street	Telephone Number for Information 508-373-9131
Haverhill, MA 10831	Date Prepared June 1989
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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HEALTH LABELING
 CONFORMS TO ASTM D4236
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 ART & CRAFT MATERIALS INSTITUTE
 BOSTON 02116

Products bearing the AP Approved Product Seal of The Art and Craft **Materials Institute**, Inc. are certified in a program of toxicological evaluation by a medical expert to contain no materials in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems. This program is reviewed by the Institute's Toxicological Advisory Board. These products are certified by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236.

Section III — Physical/Chemical Characteristics

Boiling Point Water	212°F	Specific Gravity (H₂O = 1)	0.96
Vapor Pressure (mm Hg.)	N/A	Melting Point	120-135°F
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	as water

Solubility in Water Completely dispersible.

Appearance and Odor Tan liquid, medicinal odor.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Will not burn.	Flammable Limits N/A	LEL N/A	UEL N/A
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Extinguishing Media Not combustible. This is a water based product.

Special Fire Fighting Procedures None

Unusual Fire and Explosion Hazards None

C

Material Safety Data Sheet

May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
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IDENTITY (As Used on Label and List) Gare Glazes KG701, KG4020, SY-7020, SY-7027, Section I GG-7125, SY-7162, GG-7179, SY-DRIPPIT, PSG-7196		Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.	
Manufacturer's Name Gare, Inc.		Emergency Telephone Number Regional Poison Control Center-Poisondex System	
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street Haverhill, MA 01830		Telephone Number for Information 508-373-9131	
		Date Prepared June 1989	
		Signature of Preparer (optional)	

SS7207-15 GG 850

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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HEALTH LABELING
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Section III — Physical/Chemical Characteristics

Boiling Point Water	212°F	Specific Gravity (H ₂ O = 1)	1.3 - 1.7
Vapor Pressure (mm Hg.)	N/A	Melting Point	above 1000°F
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	as water
Solubility in Water	Essentially insoluble		
Appearance and Odor	White or colored liquid, practically odorless.		

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	Will not burn.	Flammable Limits	N/A	LEL	N/A	UEL	N/A
Extinguishing Media	Not combustible. This is a water based product.						
Special Fire Fighting Procedures	None						
Unusual Fire and Explosion Hazards	None						

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
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OMB No. 1218-0072



IDENTITY (As Used on Label and List)
Gare acrylic stains AS-6000, 6100, **6200**

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I Series and SY No Fire Snow - Water based products

Manufacturer's Name Gare, Inc.	Emergency Telephone Number Regional Poison Control Center-PoisonDex System
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street	Telephone Number for Information 508-373-9131
Haverhill, MA 01830	Date Prepared June 1989
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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HEALTH LABELING
CONFORMS TO ASTM D4236
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BOSTON 02116

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Section III — Physical/Chemical Characteristics

Boiling Point Water	212°F	Specific Gravity (H ₂ O = 1)	1.2-1.3
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	as water

Solubility in Water
Essentially insoluble

Appearance and Odor
Colored acrylic paint, mild odor.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Will not burn.	Flammable Limits N/A	LEL N/A	UEL N/A
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Extinguishing media
Not combustible. This is a water based product.

Special fire Fighting Procedures
None

Unstable and Explosion Hazards
None

AS

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

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Occupational Safety and Health Administration
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Form Approved
OME No. 1218-0072



IDENTITY (As Used on Label and List) Gare Pearl, Cultured Pearl and Golden Cultured Pearl. Stains. PS, CPS and GCPS 6100 Series and MS6037 (except CPS6120)
Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Manufacturer's Name Gare, Inc.	Emergency Telephone Number Regional Poison Control Center-Poisondex-System
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street Haverhill, MA 01830	Telephone Number for Information 508-373-9131
	Date Prepared June 1989
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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BOSTON 02116

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Section III — Physical/Chemical Characteristics

Boiling Point Water	212°F	Specific Gravity (H₂O = 1)	1.1
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	as water

Solubility in Water Essentially insoluble

Appearance and odor Colored acrylic paint, mild odor.

Section IV — Fire and Explosion Hazard Data

Fbsh Point (Method Used) Will not burn.	Flammable Limits N/A	UEL N/A
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Extinguishing Media Not combustible. This is a water based product.

Special Fire Fighting Procedures None

Unusual Fire and Explosion Hazards None

Material Safety Data Sheet

May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor
 Occupational Safety and Health Administration
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IDENTITY (As Used on Label and List)
 Gare translucent stains TS-6000series

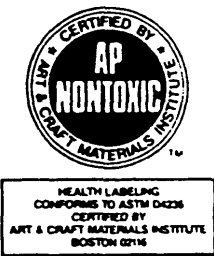
Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that

Section I

Manufacturer's Name Gare, Inc.	Emergency Telephone Number Regional Poison Control Center-Poisondex System
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street	Telephone Number for Information 508-373-9131
Haverhill, MA 01830	Date Prepared June 1, 1989
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits @commended	% (optional)
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Section III — Physical/Chemical Characteristics

Boiling Point Water	212°F	Specific Gravity (H₂O = 1)	1.1
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	as water
Solubility in Water Essentially insoluble			
Appearance and Odor Colored acrylic paint, mild odor.			

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Will not burn	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media Not combustible. This is a water based product.			
Special Fire Fighting Procedures None			
Unusual Fire and Explosion Hazards None			

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Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

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IDENTITY (As Used on Label and List) MS6046
 GARE Metallic Stains-MS6038,MS6040,
 Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name GARE INC	Emergency Telephone Number Regional Poison Control Ctr Poison System
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont St. Haverhill, MA 01831	Telephone Number for Information 508-373-9131
	Date Prepared June 1992
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH nv	Other Limits Recommended	% (optional)
Copper, CAS # 7440-50-8	1 mg/m ³	1 mg/m ³		

Warning: May be harmful if swallowed. Exposure may cause anemia

Contains: Soluble copper

Precautions: Avoid ingestion. Wash hands immediately after use.

Not for use by Children. For further health information contact a poison control center.



Products bearing the HL/CR Health Label/Cautions Required Seal of The Art and Craft Materials Institute, Inc. are certified to be properly labeled in a program of toxicological evaluation by a medical expert. This program is reviewed by the Institute's Toxicological Advisory Board. These products are certified by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236.

Section III — Physical/Chemical Characteristics

Boiling Point water	212°F	Specific Gravity (H ₂ O = 1)	1.1-1.2
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	as water

Solubility in Water

Metal flake contains soluble copper. Paint is essentially insoluble.

Appearance and Odor

Colored liquid, mild paint odor.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Will not burn	Flammable Limits N/A	LEL N/A	UEL N/A
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Extinguishing Media

Not combustible. This is a water-based product.

Special Fire Fighting Procedures

Unusual Fire and Explosion Hazards

Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

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IDENTITY (As Used on Label and List) Color Wash
Golden Sparkles CWS-G300 Series
and CPS6120

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name <u>Gare Incorporated</u>	Emergency Telephone Number <u>Regional Poison Control Center - Poisonsdex System</u>
Address (Number, Street, City, State, and ZIP Code) <u>165 Rosemont Street</u>	Telephone Number for Information <u>(508) 373-9131</u>
<u>Haverhill, MA 01830.</u>	Date Prepared <u>February 1992</u>
	signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH NV	Other Limits Recommended	% (optional)
<u>Copper CAS# 7440-50-8 Dusts and Mists</u>	<u>1 mg/m3</u>	<u>1 mg/m3</u>		
<u>Warning: May be harmful if swallowed. Exposure may cause anemia.</u>				
<u>Contains: Soluble copper.</u>				
<u>Precautions: Avoid ingestion. Wash hands immediately after use. Not for use by children. For further health information contact a poison control center.</u>				



Products bearing the HL/CR Health Label/Cautions Required Seal of The Art and Craft Materials Institute, Inc. are certified to be properly labeled in a program of toxicological evaluation by a medical expert. This program is reviewed by the Institute's Toxicological Advisory Board. These products are certified by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236.

Section III — Physical/Chemical Characteristics

Boiling Point <u>Water</u>	<u>212°F</u>	Specific Gravity (H ₂ O = 1)	<u>1.1</u>
Vapor Pressure (mm Hg.)	<u>N/A</u>	Melting Point	<u>N/A</u>
Vapor Density (AIR = 1)	<u>N/A</u>	Evaporation Rate (Butyl Acetate = 1)	<u>As Water</u>
Solubility in Water <u>Metal flake contains soluble copper. Paint is essentially insoluble.</u>			
Appearance and Odor <u>Colored liquid, mild paint odor.</u>			

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) <u>Will not burn,,</u>	Flammable Limits <u>N/A</u>	LEL <u>N/A</u>	UEL <u>N/A</u>
Extinguishing Media <u>Not-- combustible. This is a-water based product.</u>			
Special Fire Fighting Procedures <u>None</u>			
Usual Fire and Explosion Hazards <u>None</u>			

Handwritten initials or signature.

Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor
 Occupational Safety and Health Administration
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 OMB No. 1218-0072



IDENTITY (As Used on Label and List) SY 4437 Krackle-It *Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.*

Section I

Manufacturer's Name Gare, Inc.	Emergency Telephone Number Regional Poison Control-Poisondex System
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street	Telephone Number for Information 508-373-9131
Haverhill, MA 10830	Date Prepared January 1990
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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HEALTH LABELING
 CONFORMS TO ASTM D4236
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Section III — Physical/Chemical Characteristics

Boiling Point Water	212° F	Specific Gravity (H ₂ O = 1)	1.1
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	as water

Solubility in Water: Essentially soluble

Appearance and Odor: Amber Liquid, mild musty odor.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Will not burn.	Flammable Limits N/A	LEL N/A	UEL N/A
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Extinguishing Media: Not combustible: This is a water based product.

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: -None

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Material Safety Data Sheet

May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
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 OMB No. 1218-0072



IDENTITY (As Used on Label and List)
 Gare SY-Texture Powder

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Gare, Inc.	Emergency Telephone Number Regional Poison Control Center-PoisonDex System
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street Haverhill, MA 01831	Telephone Number for Information 508-373-9131
	Date Prepared June 1989
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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HEALTH LABELING
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 CERTIFIED BY
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 BOSTON 02114

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Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	2.6-2.8
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	Essentially insoluble.		
Appearance and Odor	White powder, no odor.		

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	Will not burn.	Flammable Limits	N/A	LEL	N/A	UEL	N/A
Extinguishing Media	Not combustible.						
Special Fire Fighting Procedures	None						

Unusual Fire and Explosion Hazards
 None

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Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)

Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and List)
Gare SY-FIXALL

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Gare, Inc.	Emergency Telephone Number Regional Poison Control Center-Poisondex System
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street Haverhill, MA 01830	Telephone Number for Information 508-373-9131
	Date Prepared June 1989
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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HEALTH LABELING
CONFORMS TO ASTM D4236
CERTIFIED BY
ART & CRAFT MATERIALS INSTITUTE
BOSTON 02114

Products bearing the AP Approved Product Seal of The Art and Craft Materials Institute, Inc. are certified in a program of toxicological evaluation by a medical expert to contain no materials in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems. This program is reviewed by the Institute's Toxicological Advisory Board. These products are certified by the Institute to be labeled in accordance with the voluntary chronic hazard. labeling standard ASTM D-4236.

Section III — Physical/Chemical Characteristics

Boiling Point Water	212°F	Specific Gravity (H ₂ O = 1)	1.4
Vapor Pressure (mm Hg.)	N/A	Melting Point	above 1000°F
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	as water
Solubility in Water	Essentially insoluble..		
Appearance and Odor	Light brown, practically odorless.		

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Will not burn.	Flammable Limits' N/A	LEL N / A	UEL N/A
Extinguishing Media	Not combustible. This is a water based product.		
Special Fire fighting Procedures	None		

Unusual Fire and Explosion Hazards
None

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Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor
 Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072



IDENTITY (As Used on Label and List)
 Gare SY-HI-LO

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Gare, Inc.	Emergency Telephone Number Regional Poison Control Center-Poisondex System
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street	Telephone Number for Information m-373-9131
Haverhill, MA 01831	Date Prepared J u n e 1989
	signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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HEALTH LABELING
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 ART & CRAFT MATERIALS INSTITUTE
 BOSTON 02116

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Section III — Physical/Chemical Characteristics

Boiling Point Water	212°F	Specific Gravity (H₂O = 1)	1.-1.2
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	as water

Solubility in Water
 Emulsion. in solution.

Appearance and Odor
 Milky white, slight ammonia odor.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Will not burn.	Flammable Limits N/A	LEL N/A	UEL N/A
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Extinguishing Media
 Not combustible. This is a water based product:

Special fire Fighting Procedures
 Wear self-contained breathing apparatus approved by MSHA/NIOSH.

Unusual Fire and Explosion Hazards
 Material can splatter above 212°F. Polymer film can burn.

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
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OMB No. 1218-0072



IDENTITY (As Used on Label and List)
Gare SY-THICK-N-ETCH

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Care, :-Inc . --	Emergency Telephone Number Regional Poison Control Center-Poisondex Systems
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street	Telephone Number for Information 508-373-9131
Haverhill, MA 01831	Date Prepared June 1989
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Citric Acid CAS# 77-92-9	NDA*	NDA*		50.

* No data available.



Products bearing the **HL/CR** Health Label/Cautions Required Seal of The Art and Craft Materials Institute, Inc. are certified to be properly labeled in a program of **toxicological** evaluation by a medical expert. This program is reviewed by the **Institute's** Toxicological Advisory Board. These products are **certified** by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236.

Section III — Physical/Chemical Characteristics

Boiling Point Water	212°F	Specific Gravity (H₂O = 1)	1.2
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	as water

Solubility in Water
In solution.

Appearance and Odor
Clear liquid, practically odorless.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Will not burn=	Flammable Limits N/A	LEL N/A	UEL N/A
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Extinguishing Media
Not combustible. This is a water-based product.

Special Fire Fighting Procedures
None

Unusual Fire and Explosion Hazards
None -

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Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor
 Occupational Safety and Health Administration
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 OMB No. 12184072



IDENTITY (As Used on Label and List)
 Finger metallics and pastel chalks

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Gare, Inc.	Emergency Telephone Number Regional Poison Control Center-PoisonDex System
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street Haverhill, MA 01831	Telephone Number for Information 508-373-9131
	Date Prepared June, 1989
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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 BOSTON 02116

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Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	N/A
Vapor Pressure (mm Hg.)	N/A	Melting Point	120°F
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water: Essentially insoluble

Appearance and Odor: Colored wax or chalk, practically odorless.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	N/A	Flammable Limits	N/A	LEL	N/A	UEL	N/A
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Extinguishing Media: N/A

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

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Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor
 Occupational Safety and Health Administration
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 OMB No. 1218-0072



IDENTITY (As Used on Label and List)
 Gare Casting Slip

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Gare, Inc.	Emergency Telephone Number Regional Poison Control Center-Poisonindex System
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street Haverhill, MA 01831	Telephone Number for Information 508-373-9131
	Date Prepared June 1989
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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Section III — Physical/Chemical Characteristics

Boiling Point Water	212°F	Specific Gravity (H ₂ O = 1)	1.78
Vapor Pressure (mm Hg.)	N/A	Melting Point	above 1000°F
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	as water
Solubility in Water	Essentially insoluble		
Appearance and Odor	Light brown, slight earthy odor.		

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Will not burn.	Flammable Limits N/A	LEL N/A-'	UEL N/A
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Extinguishing Media
 Not combustible. This is a water based product.

Special fire Fighting Procedures
 None.

Unusual Fire and Explosion Hazards
 None.

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Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor
 Occupational Safety and Health Administration
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IDENTITY (As used on Label and List)
 Gare Magic Dust

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Gare, Inc.	Emergency Telephone Number Regional Poison Control Center-Poisondex-System
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street Haverhill, MA 01831	Telephone Number for Information 508-373-9131
	Date Prepared July 1989 9
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Crushed Ceramic Glass				



Products bearing the HL/CR Health Label/Cautions Required Seal of The Art and Craft Materials Institute, Inc. are certified to be properly labeled in a program of toxicological evaluation by a medical expert. This program is reviewed by the Institute's Toxicological Advisory Board. These products are certified by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236.

Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	2.5
Vapor Pressure (mm Hg.)	N/A	Melting Point	over 1000°F
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	Essentially insoluble.		
Appearance and Odor	Granular, Clear Glass		

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	Will not burn.	Flammable Limits	N/A	LEL	N/A	UEL	N/A
Extinguishing Media	Not combustible, glass.						
Special Fire Fighting Procedures	None						
Unusual Fire and Explosion Hazards	None						

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Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard.
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor
 Occupational Safety and Health Administration
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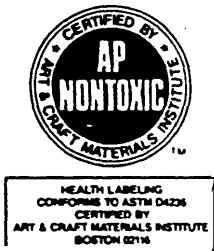
IDENTITY (As Used on Label and List)
 Gare underglazes UG-2100 series
 Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I See other data sheets for underglazes that require different or additional information.

Manufacturer's Name Gare, Inc.	Emergency Telephone Number Regional Poison Control Center-Poisondex System
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street	Telephone Number for Information 508-373-9131
Haverhill, MA 01830	Date Prepared June 1989
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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Section III — Physical/Chemical Characteristics

Boiling Point Water	212°F	Specific Gravity (H ₂ O = 1)	1.3-1.5
Vapor Pressure (mm Hg.)	N/A	Melting Point	above 1000°F
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	as water

Solubility in Water
Essentially insoluble.

Appearance and Odor
Colored liquid, practically odorless.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Will not burn.	Flammable Limits N/A	LEL N/A	UEL N/A
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Extinguishing Media
Not combustible. This is a water based product.

Special Fire Fighting Procedures
None

Unusual Fire and Explosion Hazards
None

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Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

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IDENTITY (As Used on Label and List) **Gare Underglazes**
UG-3179.2181

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I See other data sheets for underglazes that require different or additional information.

Manufacturer's Name Gare, Inc.	Emergency T&phone Number Regional Poison Control-Poisondex System
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street	T&phone Number for Information 508-373-9131
Haverhill, MA 01831	Date Prepared January 1990
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
L e a d CAS# 1317-36-8	0.05 mg/m ³	0.15 mg/m ³		0.19 - 0.6
Cadmium CAS# 1306-19-0	0.2 TWA* 0.6 mg/m ³	ceiling	0.05mg/m ³	0.04 - 0.22

*Time weighted average



Products bearing the **HL/CR** Health Label/Cautions Required Seal of The Art and Craft Materials Institute, Inc. are certified to be properly labeled in a program of **toxicological** evaluation by a medical **expert**. This program is reviewed by the Institute's Toxicological Advisory Board. These products are **certified** by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236.

Section III — Physical/Chemical Characteristics

Boiling Point Water	212° F	Specific Gravity (H ₂ O = 1)	1.3 - 1.5
Vapor Pressure (mm Hg.)	N/A	Melting Point	above 1000° F
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	as water

Solubility in Water **Essentially insoluble**

Appearance and Odor **Colored liquid, practically odorless.**

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Will not burn.	Flammable Limits N/A	LEL N/A	UEL N/A
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Extinguishing Media **Not combustible. This is a water based product.**

Special Fire Fighting Procedures **None**

Unusual Fire and Explosion Hazards **None**

Material Safety Data Sheet

May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

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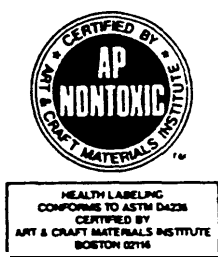
IDENTITY (As Used on label and List) Gare-Tiques GT-6200 Series	Note: Blank spaces are <i>not</i> permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
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Section I

Manufacturer's Name Gare, Inc.	Emergency Telephone Number Regional Poison Control Center-Poisondex System
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street	Telephone Number for Information 508-373-9131
Haverhill, MA 01830	Date Prepared June 1989
Signature of Preparer (optional)	

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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Section III — Physical/Chemical Characteristics

Boiling Point	Water	212°F	Specific Gravity (H ₂ O = 1)	1.1-1.2
Vapor Pressure (mm Hg.)		N/A	Melting Point	above 1000°F
Vapor Density (AIR = 1)		N/A	Evaporation Rate (Butyl Acetate = 1)	as water
Solubility in Water	Essentially insoluble			
Appearance and Odor	Colored liquid, practically odorless.			

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
will not burn	N/A	N/A	N/A
Extinguishing Media			
Not combustible. This is a water based product.			
Special Fire Fighting Procedures			
None			
Unusual Fire and Explosion Hazards			
None			

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Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
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IDENTITY (As Used on Label and List)
Gare Translucent One-Stroke TOS-2200 series

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I See other data sheets for one strokes that require different or additional information.

Manufacturer's Name Gare, Inc.	Emergency Telephone Number Regional Poison Control Center-Poisondex Systems
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street	Telephone Number for Information 508-373-9131
Haverhill, MA 01830	Date Prepared June 1989
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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BOSTON 02116

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Section III — Physical/Chemical Characteristics

Boiling Point Water	212°F	Specific Gravity (H ₂ O = 1)	1.4-1.5
Vapor Pressure (mm Hg.)	N/A	Melting Point	above 1000°F
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	as water

Solubility in Water: Essentially insoluble

Appearance and Odor: Colored liquid, practically odorless

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Will not burn	Flammable Limits N/A	LEL N/A	UEL N/A
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Extinguishing Media: Not combustible.* This is a water based product.

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

Material Safety Data Sheet

May be used- to comply with
OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
 (Non-Mandatory Form)
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 OMB No. 1218-0072



IDENTITY (As Used on Label and List) Gare One Strokes
 TOS-2240.2242

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I See other data sheets for one strokes that require different or additional information

Manufacturer's Name Gare, Inc. .	Emergency Telephone Number Regional Poison Control - Poisonsdex System
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street Haverhill., MA 01831	Telephone Number for Information 508-373-9131
	Date Prepared January 1990
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Lead CAS#1317-36-8	0.05 mg/m ³	0.15 mg/m ³	0-75	1.25
Cadmium CAS#1306-19-0	0.2 TWA* - 0.6 mg/m ³ ceiling	0.05 mg/m ³	0.15	0.5

*Time weighted average



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Section III — Physical/Chemical Characteristics

Boiling Point Water	212° F	Specific Gravity (H₂O = 1)	1.4-1.5
Vapor Pressure (mm Hg.)	N/A	Melting Point	above 1000°F
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	as water

Solubility in Water Essentially insoluble.

Appearance and Odor Colored liquid, practically odorless.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Will not burn.	Flammable Limits N/A	LEL N/A	UEL N/A
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Extinguishing Media Not combustible. This is a water based product.

Special Fire Fighting Procedures None

Unusual Fire and Explosion Hazards None

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Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor
 Occupational Safety and Health Administration .
 (Non-Mandatory Form)
 Form Approved
 OMB No. 12184072



IDENTITY (As Used on Label and List): Star Light Colors SC-8000 Series Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I See other data sheets for Star Lights that require different or additional information

Manufacturer's Name <u>Gare, Incorporated</u>	Emergency Telephone Number <u>Regional Poison Control Center - Poisonsdex System</u>
Address (Number, Street, City, State, and ZIP Code) <u>165 Rosemont Street. Haverhill, MA 01830</u>	Telephone Number for Information <u>(508) 373-9131</u>
	Date Prepared <u>March 1992</u>
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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Section III — Physical/Chemical Characteristics

Boiling Point <u>Water-</u>	<u>212° F</u>	Specific Gravity (H ₂ O = 1)	<u>1.3-1.4</u>
Vapor Pressure (mm Hg.)	<u>N/A</u>	Melting Point	<u>Above 1000° F</u>
Vapor Density (AIR = 1)	<u>N/A</u>	Evaporation Rate (Butyl Acetate = 1)	<u>As Water</u>

Solubility in Water Essentially Insoluble

Appearance and Odor Colored Liquid, Slight Earthy Odor.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) <u>Will not burn.</u>	Flammable Limits <u>N/A</u>	LEL <u>N/A</u>	UEL <u>N/A</u>
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Extinguishing Media Not combustible. This is a water based product.

Special Fire Fighting Procedures
None

Universal Fire and Explosion Hazards
None

Material Safety Data Sheet

May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMS No. 1218-0072



IDENTITY (As Used on Label and List) **SC-8003**
Star Light Color
 Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I See other data sheets for Star Lights that require different or additional information.

Manufacturer's Name Gare, Inc.	Emergency Telephone Number Regional Poison Control Center - Poisonsdex System
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street	Telephone Number for Information (508) 373-9131
Haverhill, MA 01830	Date Prepared March, 1992
	Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Cobalt 7440-48-4 Dusts	0.05 mg/m3	0.05 mg/m3		

Warning: May be harmful if swallowed. Exposure may cause allergic reactions. **Exposure may cause damage to the heart.**

Contains: Soluble Cobalt

Precautions: **Avoid** prolonged contact with skin. Do not spray-apply. Wash hands immediately after use. When using do not eat, drink or smoke.

Keep out of reach of children, First Aid: If swallowed, get prompt medical attention. For further health information contact a poison control center.



Products bearing the HL/CR Health Lib&/Cautions Required Seal of The Art and h&t- Materials Institute, Inc. are certified to be properly labeled in a program of toxicological evaluation by a medical expert. This program is reviewed by the Institute's Toxicological Advisory Board. These products are certified by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236.

Section III - Physical/Chemical Characteristics

Boiling Point Water	212° F	Specific Gravity (H ₂ O = 1)	1.36
Vapor Pressure (mm Hg.)	N/A	Melting Point	Above 100
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	As Water

Solubility in Water
 Essentially insoluble except for the Cobalt portion.

Appearance and Odor
 Colored liquid, slight earthy odor.

Section IV - Fire and Explosion Hazard Data

flash Point (Method used) Will not burn.	Flammable Limits N/A	LEL N/A	UEL N/A
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Extinguishing Media
Not combustible. This is a water based product.

Special Fire Fighting Procedures
None

Unusual Fire and Explosion Hazards
None

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Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and List) Gare glazes 600-7300 *Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.*
See other data sheets for glazes in this

Section I series that require different or additional information due to material contents.

Manufacturer's Name <u>Gare, Inc.</u>	Emergency Telephone Number <u>Regional Poison Control-Poisondex System</u>
Address (Number, Street, City, State, and ZIP Code) <u>165 Rosemont Street</u>	Telephone Number for Information <u>508-373-9131</u>
<u>Haverhill, MA 01831</u>	Date Prepared <u>J u l y 1989</u>
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<u>Lead CAS# 1317-36-8</u>	<u>0.05 mg/m³</u>	<u>0.15 mg/m</u>		<u>up to 36.</u>

The lead in these glazes has been thermally reacted with other raw materials to form a glass. The glass is ground to produce a powdered frit which is a major component of the glazes.



Products bearing the **HL/CR Health Label/Cautions Required Seal** of The Art and Craft Materials Institute, Inc. are **certified** to be properly labeled in a program of **toxicological** evaluation by a medical expert. This program is reviewed by the Institute's Toxicological Advisory Board. These products are **certified** by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236.

Section III — Physical/Chemical Characteristics

Boiling Point <u>Water</u>	<u>212°F</u>	Specific Gravity (H ₂ O = 1)	<u>1.4-1.8</u>
Vapor Pressure (mm Hg.)	<u>N/A</u>	Melting Point	<u>above 1000 °F</u>
Vapor Density (AIR = 1)	<u>N/A</u>	Evaporation Rate (Butyl Acetate = 1)	<u>as water</u>

Solubility in Water Essentially insoluble.

Appearance and Odor Colored liquid, practically odorless.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) <u>Will not burn.</u>	Flammable Limits <u>N/A</u>	LEL <u>N/A</u>	UEL <u>N/A</u>
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Extinguishing Media Not combustible.. This is a water based product. ...

Special Fire Fighting Procedures None

Unusual Fire and Explosion Hazards None

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Material Safety Data Sheet

May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072



IDENTITY (As Used on Label and List) Gare Glazes contain added Silicon Dioxide. See list on back page. *Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.*

Section I

Manufacturer's Name Gare, Inc.	Emergency Telephone Number Regional Poison Control-Poisondex System
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street Haverhill, MA 01831	Telephone Number for Information 508-373-9131
	Date Prepared July 1989
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Lead CAS# 1317-36-B	0.05 mg/m ³	0.15 mg/m ³		up to 36.
Silicon Dioxide CAS# 14808-60-7	1. mg/m ³ *	0.1 mg/m ³ *		up to 20.

The lead in these glazes has been thermally reacted with other raw materials to form a glass.
 The glass is ground to produce a powdered frit which is a major component of the glazes.

* Respirable crystalline silica



Products bearing the HL/CR Health Label/Cautions Required Seal of The Art and Craft Materials Institute, Inc. are certified to be properly labeled in a program of toxicological evaluation by a medical expert. This program is reviewed by the Institute's Toxicological Advisory Board. These products are certified by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236.

Section III — Physical/Chemical Characteristics

Boiling Point Water	212°F	Specific Gravity (H₂O = 1)	1.4-1.8
Vapor Pressure (mm Hg.)	N/A	Melting Point	above 1000°F
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	as water

Solubility in Water Essentially insoluble.

Appearance and Odor Colored liquid, practically odorless.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Will not burn.	Flammable Limits N/A	LEL N/A	UEL N/A
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Extinguishing Media Not combustible. This is a water based product.

Special fire Fighting Procedures None

Unusual Fire and Explosion Hazards None

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Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
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OMB No. 1218-0072



IDENTITY (As Used on Label and List) Gare Glazes
1300, 1400, 1500, 1600, 1738, 4013, 4014, 7104

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Gare, Inc.	Emergency Telephone Number Regional Poison Control-Poisondex System
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street Haverhill, MA 01831	Telephone Number for Information 508-373-9131
	Date Prepared July 1989
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Lead CAS# 1317-16-8	0.05 mg/m ³	0.15 mg/m ³		14.5
Cadmium compounds CAS# 1306-19-0	0.2TWA* - 0.6 ceiling	mg/m ³	0.05 mg/m ³	5.5

The lead in these glazes has been thermally reacted with other raw materials to form a glass. The glass is ground to produce a powdered frit which is a major component of the glazes.

*Time weighted average



Products bearing the **HL/CR** Health Label/Cautions Required Seal of The Art and Craft Materials Institute, Inc. are certified, to be properly labeled in a program of toxicological evaluation by a medical expert. This program is reviewed by the Institute's Toxicological Advisory Board. These products are certified by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236.

Section III — Physical/Chemical Characteristics

Boiling Point Water	212°F	Specific Gravity (H₂O = 1)	5
Vapor Pressure (mm Hg.)	N/A	Melting Point	above 1000°F
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	as water

Solubility in Water
Essentially insoluble.

Appearance and Odor
Colored liquid, practically odorless.

Section IV — Fire and Explosion-Hazard Data

Flash Point (Method Used) Will not burn	Flammable Limits N/A	LEL N/A	UEL N/A
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Extinguishing Media
Not combustible. This is a water based product.

Special fire Fighting Procedures
None

Unusual Fire and Explosion Hazards
None

Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor
 Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072



IDENTITY (As Used on Label and List)
 Gare Glazes MG7216, MG7217

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name GARE INC.	Emergency Telephone Number System Regional Poison Control Ctr. Poisonindex
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street Haverhill, MA 01831	Telephone Number for Information 508-373-9131
	Date Prepared November 1992
	Signature of Preparer (optional)

Section II — Hazardous Ingredient Identity Information

Hazardous Components (Specific Chemical identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Lead, CAS #1317-36-8	0.05 mg/m ³	0.15 mg/m ³	up to	24.5
Copper, CAS #7440-50-8	1.0 mg/m ³	1.0 mg/m ³	up to	1.27
Nickel, CAS #1313-99-1	1.0 mg/m ³	0.1 mg/m ³		.30



Products bearing the HL/CR Health Label/Cautions Required Seal of The Art and Craft Materials Institute, Inc. are certified to be properly labeled in a program of toxicological evaluation by a medical expert. This program is reviewed by the Institute's Toxicological Advisory Board. These products are certified by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236.

Section III — Physical/Chemical Characteristics

Boiling Point	212°F	Specific Gravity (H ₂ O = 1)	1.59-1.71
Vapor Pressure (mm Hg.)	N/A	Melting Point	Above 1000°F
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	As water

Solubility in Water
Essentially insoluble

Appearance and Odor
Colored liquid, slight earthy odor.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Will not burn	Flammable Limits N/A	LEL N/A	UEL N/A
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Extinguishing Media
Not combustible. This is a water-based product.

Special Fire Fighting Procedures

Unusual Fire and Explosion Hazards

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Hobby ceramics is an activity shared by millions of people. Through the years, it has grown with friends and family members sharing ideas and enjoying the personal satisfaction ceramics offers.

By following a few **common** sense rules, ceramics will remain a very safe hobby or business.

This booklet has been prepared to keep you informed of good safety rules and practices for yourself, your employees and your customers.

Please take the time to read this booklet and keep a copy in the work area. The information could prevent a careless accident.

SPRAYING GLAZES (Continued)

Use a spray booth equipped with a strong fan that exhausts all glaze mists away from the breathing zone. **Replace all spray-booth filters often.** For example, if glazes are sprayed for two hours a day, the filter should be replaced at least every week; if glazes are sprayed eight or more hours a day, the filter should be replaced daily.

Wear protective clothing including hair covering that is removed before eating, drinking, smoking or leaving work. Wash hands thoroughly, immediately after spraying and removing protective clothes. Do not smoke or eat in work area.

If lead based glaze spraying is a regular or major part of work, regular blood-lead-level testing by your doctor is necessary.

VENTILATION

Adequate ventilation is a necessary precaution when spraying glazes (see above information pertaining to spraying glazes). Ideally, spraying of glazes should be done in a spray booth. However, if a spray booth is not practical, spraying should be done near an open window with an exhaust fan. At the very minimum, a respirator, approved by NIOSH should be used to protect against mist, fumes or dust.

Aerosol sprays, solvents and solvent-based overglazes should be used with a window exhaust fan to insure adequate cross-ventilation. If the solvents are known to be flammable, an explosion-proof fan should be used.

SLIP

As with any finely ground substance, dust control is the primary safety factor to be remembered by those who customarily mix slip. Ceramic bodies consist of clay minerals and porcelain slip contains quartz dust. When mixing slip, a NIOSH mask should be used. The work area should be well ventilated. It is best if the area can easily be washed down to clean the dust from the surfaces. The slip-mixing area should be away from the glazing area to prevent contamination of the ware by exposure to dust.

Excessive inhalation of quartz dust may result in chronic lung damage. When mixing porcelain slip use a NIOSH-approved mask for mists and dust and mix the slip under a locally exhausting hood.

MEDICAL SUPERVISION

If glaze spraying is a major portion of your ceramic work, regular blood lead-level testing by your doctor may be advisable. Pregnant women or women contemplating pregnancy who are active ceramists should notify the physician of their work with ceramic products.

Keep these common sense safety rules in mind and remember to observe them. Make sure your students, clients and employees read this booklet, and provide them with any necessary safety equipment. Post a simple list of safety rules in classrooms and work areas for any situations that apply to your customers. Hobby ceramics is a safe, enjoyable activity with a fine safety record. Let's keep it that way.

READ LABELS WITH CARE

In ceramics, as in all areas of human activity, proper usage of products ensures safety. Misuse of products may expose the ceramist to potentially harmful substances. Care should be taken to read all label instructions before using a product.

Hobby labels that comply with ASTM D4236 contain specific information on any toxic material in the product, potential health hazards associated with their use and directions on how to minimize risks. To comply with this standard, hobby ceramic manufacturers must have their products approved by a certifying organization. Our organization is the Art and Craft Materials Institute: which gives permission, upon strict prerequisites, to use the following seals on product labels.



"Products bearing the AP Approved Seal of the Art and Craft Materials Institute, Inc. are certified in a program of toxicological evaluation by a medical expert, subject to review by the Institute's Toxicological Advisory Board, to contain no materials in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems."



"Products bearing the HL Certified Labeling Seal of the Art and Craft Materials Institute, Inc. are certified to be properly labeled in a program of toxicological evaluation by a medical expert, subject to review by the Institute's Toxicological Advisory Board."

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KILN SAFETY (Continued)

Do not allow children near the kiln.

Do not plug in or unplug the kiln unless the circuit is off. Turn all switches to OFF before loading or unloading the kiln. **Do** not open the lid with the kiln turned on.

Do not leave papers or combustibles around the kiln, or place objects on the kiln while firing. Always unplug the kiln while making any repairs.

Do not try to unload the kiln until the outside of the kiln is cool to the touch and the pieces can be easily touched by the bare hand.

When unloading a kiln, be careful of the stilt marks on glazed ceramic pieces. They can be sharp and should be smoothed as soon as possible with a grinding wheel or stone. Be sure to wear safety glasses while grinding off stilt marks.

Electric hobby kilns should be properly ventilated. All indoor kilns should be used with an exhausting canopy type hood or exhaust fan to insure adequate cross-ventilation.

DINNERWARE-SAFE GLAZES

Many glazes are formulated to be safely used on surfaces that come in contact with food or drink. These glazes are labeled dinnerware-safe. The directions on the jar label should be followed closely.

Do not mix dinnerware-safe glazes, as the balance of ingredients in each glaze will be disrupted. Each mixture would have to be retested by an approved laboratory to determine if the mixture is also dinnerware-safe.

Proper firing of dinnerware-safe glazes is critical. Pyrometric cones should be used on the kiln shelves to ensure **that** the pieces are fired hot enough. Dinnerware-safe glazes must be fired to no less than a mature witness cone 06.

Lead and cadmium are used in many ceramic glazes. The cadmium is essential to produce the brilliant reds and yellows. The lead gives a brilliance to the glaze and allows the glazes to mature in the hobby firing range. The lead and cadmium used in Care glazes are chemically combined in a glass to reduce their solubility. The reduced solubility decreases the health risk in using glazes containing lead and cadmium.

When excessive amounts of cadmium are inhaled, lung damage may occur. Excessive absorption may result in kidney damage, damage to the testes, or risk to the developing fetus. Excessive lead absorption may result in damage to the nervous system with weakness and difficulty in thinking, kidney damage or risk to the developing fetus. Health risks from the use of glazes containing lead and/or cadmium are minimized through good personal hygiene and good housekeeping practices.

SPRAYS, SOLVENTS AND OVERGLAZES

These products are easy to use safely and will present no problems as long as these three, important rules are observed:

1. Keep out of reach of children.
2. Use in a well ventilated area..
3. Clean up after use.

These products should not be used near a heat source or open flame, or close to the kiln. Containers are to be kept closed when not in use. Rags and paper towels or tissues used with these products should be placed in the trash for immediate disposal.

SPRAYING GLAZES

When spraying lead based glazes, use extreme caution and follow these safety "musts".

Follow all OSHA guidelines for use of lead bearing products.

Be sure to use **ONLY** a dust and mist respirator for lead that has been approved by the National Institute of Occupational Safety and Health (such as **3M-8710** or equivalent), and replace often. A safety supply house is the best source of dust masks and information. (Please note that ordinary masks sold by paint and hardware stores do not offer adequate protection from glaze mists.)

HOUSEKEEPING

Common sense, clean-up and maintenance of the work area is a must for people working with ceramics. We strongly recommend observance of the following rules:

1. Keep working surfaces and shelves clean by wiping down with a wet sponge, rinsing the sponge frequently.
2. Clean jar rims before closing to eliminate build-up of dried product.
3. Clean up spills when they occur.
4. Wet-mop floors to control dust; do not sweep.
5. Work on newspaper or a paper towel for easy clean-up and disposal.
6. Do all spraying or airbrushing of ceramic products in a spray booth equipped with an exhaust fan vented to the outside.
7. Keep dust under control.

PERSONAL HYGIENE

Ceramic products and materials can be handled very safely if we keep in mind that materials should not be ingested or dust inhaled. Smoking, eating and drinking should not be combined with working on ceramics. Besides being poor hygiene, such practices can leave substances such as salt and oil on the work surfaces and thus ruin your glazes.

Measures should be taken to protect any cuts or open wounds when working with materials used to produce hobby ceramics. Always wash hands and arms thoroughly when you are through and be sure to put away materials where small children cannot reach them. Do not use any utensils that will later be used in the kitchen. If there is an accidental ingestion, call a doctor or your local Poison Control Center, listed with emergency numbers in the front of many telephone books.

PERSONAL PROTECTIVE EQUIPMENT

For some areas of ceramics, simple forms of personal protective equipment are recommended. Gloves should be worn when handling a kiln after the venting period, as the handle will be hot. Never touch the outside of a kiln (other than the control panel) when it is turned on, as the kiln surface, temperature may be very hot.

Dark shaded glasses from a safety supply house (shade number 1.7-3.0) are recommended when looking into kiln peepholes. Normal sunglasses are inadequate for this purpose. Using the proper glasses not only helps protect your eyes from the radiating heat, but also allows you to see witness cones more clearly.

A smock or apron should be worn when working with hobby ceramic materials. The smock or apron should then be left in the work area and should be laundered regularly.

The wearing of contact lenses is not recommended when working in dusty environments. Dust particles may become trapped between the lens and the surface of the eye, and these small particles can scratch the eye.

Respirators are recommended for glaze-spraying operations which are not adequately ventilated. Inexpensive **disposable**-type respirators which have been approved by the National Institute of Occupational Safety and Health (NIOSH) are commonly available. For water-based glazes, use a NIOSH approved mask for mists and dusts. For solvent-based materials, use a NIOSH approved respirator.

KILN SAFETY

Electric hobby kilns should be installed in accordance with local electrical and fire safety codes and in accordance with manufacturers suggested installation instructions.

For used kilns, contact manufacturers for **installation** instructions.

Hobby kilns are electrical appliances used to heat the pieces to a very high temperature. It's possible to **receive a shock or to be burned** if the kiln is misused or abused. Do not operate a kiln in a wet area.

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Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor
 Occupational Safety and Health Administration
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 OMB No. 1218-0072



IDENTITY (As Used on Label and Lists) **Shimmers S6500** Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section 1 Series

Manufacturer's Name **GARE INCORPORATED** Emergency Telephone Number

Address (Number, Street, City, State, and ZIP Code) **165 Rosemont Street** Regional Poison Control Center-Poisondex
Telephone Number for Information **508-373-9131** system

Haverhill, MA 01831 Date Prepared **July 19'92**

Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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HEALTH LABELING
 CONFORMS TO ASTM D4236
 CERTIFIED BY
 ART & CRAFT MATERIALS INSTITUTE
 BOSTON 02116

Products bearing the AP Approved Product Seal of The Art and Craft Materials Institute, Inc. are **certified** in a program of toxicological evaluation by a medical expert to contain no materials in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems. This program is reviewed by the Institute's Toxicological Advisory Board. These products are certified by the Institute to be **labeled** in accordance with the voluntary chronic hazard **labeling** standard ASTM D-4236.

Section III — Physical/Chemical Characteristics

Boiling Point	Water.	212°F	Specific Gravity (H ₂ O = 1)	1.-1.1
Vapor Pressure (mm Hg.)		N/A	Melting Point	N/A
Vapor Density (AIR = 1)		N/A	Evaporation Rate (Butyl Acetate = 1)	As water

Solubility in Water **Essentially insoluble**

Appearance and Odor **Colored liquid, acrylic paint odor**

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
will not burn	N/A	N/A	N/A

Extinguishing Media **Not combustible. This is a-water based product.**

Special Fire-Fighting Procedures **None-**

Unusual Fire and Explosion Hazards **None**

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Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard,
 23 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor
 Occupational Safety and Health Administration
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 OMB No. 1218-0072



IDENTITY (As Used on Label and List) Ruff-Stuff
PRS-SRS-RS-6400 Series

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name <u>Gare Inc.</u>	Emergency Telephone Number <u>PoisonDex</u>
Address (Number, Street, City, State, and ZIP Code) <u>165 Rosemont Street</u>	Regional Poison Control Center-System Telephone Number for Information <u>508-37 3-9131</u>
<u>Haverhill, MA 01830</u>	Date Prepared <u>July 1990</u>
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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HEALTH LABELING
 CONFORMS TO ASTM D4236
 CERTIFIED BY
 ART & CRAFT MATERIALS INSTITUTE
 BOSTON 02116

Products bearing the AP Approved Product Seal of The Art and Craft Materials Institute, Inc. are certified in a program of toxicological evaluation by a medical expert to contain no materials in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems. This program is reviewed by the Institute's Toxicological Advisory Board. These products are certified by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236.

Section III — Physical/Chemical Characteristics

Boiling Point <u>Water</u>	<u>212°F</u>	Specific Gravity (H ₂ O = 1)	<u>1.5 - 1.6</u>
Vapor Pressure (mm Hg.)	<u>N/A</u>	Melting Point	<u>P/A</u>
Vapor Density (AIR = 1)	<u>N/A</u>	Evaporation Rate (Butyl Acetate = 1)	<u>As Water</u>
Solubility in water	<u>Essentially insoluble</u>		
Appearance and Odor	<u>Colored liquid, mild paint odor.</u>		

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) <u>Will not burn.</u>	Flammable Limits <u>N/A</u>	LEL <u>N/A</u>	UEL <u>N/A</u>
Extinguishing Media <u>Not combustible. This is a water based product.</u>			
Special Fire Fighting Procedures <u>None</u>			
Unusual Fire and Explosion Hazards <u>None</u>			

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Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

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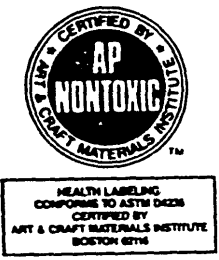


IDENTITY (As Used on Label and List) SY-4438 Glitter-It Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I		SY4438-50
Manufacturer's Name Gare, Inc.	Emergency Telephone Number	
Address (Number, Street, City, State, and ZIP Code) 16 Rosemont Street	Regional Poison Control Center-PoisonDex System	
Haverhill, MA 01830	Telephone Number for Information 508-373-9131	
	Date Prepared January 1990	
	Signature of Preparer (optional)	

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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Products bearing the AP **Approved** Product Seal of The Art and Craft Materials Institute, Inc. are **certified** in a program of toxicological evaluation by a medical expert to contain no materials in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems. This program is reviewed by the Institute's Toxicological Advisory Board. These products are certified by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236.

Section III — Physical/Chemical Characteristics

Boiling Point Water	212° F	Specific Gravity (H ₂ O = 1)	1.
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	as water
Solubility in Water Essentially soluble			
Appearance and Odor Clear, thick liquid with glitter flakes. Vinyl odor.			

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Will not burn.	Flammable Limits N/A	LEL N/A	UEL N/A
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Extinguishing Media — Not combustible.. This is a water based product. _____

Special Fire Fighting Procedures
None

Unusual Fire & Explosion Hazards
None

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and List) Color wash stains
CW-6300 series

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section 1

Manufacturer's Name Gare, Inc.	Emergency Telephone Number Regional Poison Control Center-Poisondex System
Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street Haverhill, MA 01830	Telephone Number for Information 508-373-9131
	Date Prepared January 1990
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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HEALTH LABELING
CONFORMS TO ASTM D2048
CERTIFIED BY
ART & CRAFT MATERIALS INSTITUTE
BOSTON 02116

Products bearing the AP Approved Product Seal of The Art and Craft Materials Institute, Inc. are certified in a program of toxicological evaluation by a medical expert to contain no materials in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems. This program is reviewed by the Institute's Toxicological Advisory Board. These products are certified by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236.

Section III — Physical/Chemical Characteristics

Boiling Point Water	212° F	Specific Gravity (H₂O = 1)	1.1
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	as water

Solubility in Water Essentially insoluble

Appearance and odor Colored liquid, mild paint odor.

Section IV — Fire and Explosion Hazard Data

flash Point (Method Used) Will not burn.	Flammable Limits N/A	LEL N/A	UEL N/A
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Extinguishing Media Not combustible. This is a water based product.

Special Fire Fighting Procedures None

Unusual Fire and Explosion Hazards None

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**PRODUCTS AND
MANUFACTURERS**

BRAND NAMES

SPRAY SEALERS

Caldex Enterprises	BON ARTISTE CLEAR ACRYLIC
Caldex Enterprises	BON ARTISTE MARVEL GLAZE
Caldex Enterprises	BON ARTISTE MATTE CLEAR FIXATIVE
Ceramichrome, Inc.	DECOART AMERICANA GLOSS
Ceramichrome, Inc.	DECOART AMERICANA MATT
Ceramichrome, Inc.	PORCE W N-LIKE
Ceramichrome, Inc.	TRUE GLOSS
Ceramichrome, Inc.	TRUE MATT
Chartpak	CHARTPAK CLEAR GLOSS
Duro Art Industries	DURO DAMAR VARNISH
Duro Art Industries	DURO WORKABLE MATTE FIXATIVE
Gare, Inc.	GAREOSOL CERAMIC NON-FIRED SPRAY FINISHES
M. Grumbacher, Inc.	MYSTON WORKABLE FIXATIVE
M. Grumbacher, Inc.	TUFFILM FINAL FIXATIVE - GLOSS
M. Grumbacher, Inc.	TUFFILM FINAL FIXATIVE - MATTE
Plaid Enterprises	FOIL SEALER
Plaid Enterprises	FOLK ART ACRYLIC SEALER
Plaid Enterprises	FOLK ART CLEARCOTE HI-SHINE
Plaid Enterprises	HIGH GLOSS FIX-IT

**** Some of the products in this line bear the
C.P., A.P. or Health Label (Non-Toxic) Seal.**

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