

MATERIAL SAFETY DATA SHEET

MSDS Number

C-254N-1G

Effective Date: 11/18/2004



AccuStandard

125 Market Street • New Haven, CT USA 06513

Phone: (203) 786-5290 • Fax: (203) 786-5287

Emergency Phone Number

203-786-5290

Mon. to Fri. 8am-5pm EDT

Product Number : C-254N-1G

Product Name : Aroclor 1254

Synonyms : Polychlorinated Biphenyls 1254

Formula : N/A

Molecular Weight : N/A

Section 2 - Composition / Information on Ingredients

Component(s)	(1)	CAS #	ACGIH TLV		OSHA PEL	
			Appr. % TWA	mg/m3 SKIN	TWA	mg/m3 SKIN
Aroclor 1254		11097-69-1	100%	0.5 X		0.5 X

Section 3 - Hazards Identification

Symptoms of Exposure:

Irritating on contact with skin, eyes or mucous membranes.

Potential Health Effects:

Harmful if inhaled, swallowed, or absorbed through the skin.

May cause damage to liver.

The consistent finding in animal studies with PCB's is that they produce liver injury following prolonged and repeated exposure by any route, if the exposure is of sufficient degree and duration. Liver injury is produced first,

Routes of Entry:

Inhalation, ingestion or skin contact.

Carcinogenicity:

Contains component(s) which are suspect cancer hazard(s).

Section 4 - First Aid Measures

First Aid Procedures:

Get medical assistance for all cases of overexposure.

Skin: Wash thoroughly with soap and water.

Contaminated clothing should be removed. Note To Physician: Hot PCBs may cause thermal burns.

Eyes: Immediately flush thoroughly with water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

A petroleum-based ophthalmic ointment may be applied to the eye to relieve the irritating effects of PCBs.

Inhalation: Remove to fresh air. If skin rash or respiratory irritation persists, consult a physician.

Ingestion: Consult a physician. Do not induce vomiting or give any oily laxatives. Note To Physician: If large amounts are ingested, gastric lavage is suggested.

Section 5 - Fire Fighting Measures

Fire fighting measures for the Compound

Flammable Properties:

Flash Point (°F):	None
Flammable Limits LEL (%):	N/A
Flammable Limits UEL (%):	N/A

PCBs may decompose to form toxic combustion products under severe conditions such as exposure to flame or hot surfaces.

Extinguishing Media:

Use any extinguishing media suitable for adjacent material.

PCB's are very stable, fire-resistant compounds.

Protection of Firefighters:

Wear self-contained breathing apparatus and protective clothing.

Fire fighting equipment should be thoroughly cleaned and decontaminated after use.

Section 6 - Accidental Release Measures

Spill Response:

If PCBs leak or are spilled, the following steps should be taken immediately: All non-essential personnel should leave the leak or spill area. The area should be adequately ventilated to prevent the accumulation of vapors. The spill/leak should be contained and removed promptly by means of absorptive material, such as sawdust, vermiculite, dry sand, clay, dirt or other similar materials. All personnel in the spill area should wear suitable protective equipment listed under Exposure / Personal Protection. All wastes and residues containing PCBs (e.g. wiping cloths, absorbent material, used disposable gloves, clothing, etc.) should be collected, placed in proper containers, marked and disposed of in the manner prescribed by EPA regulations (40 CFR Part 761) and applicable state and local regulations. Various federal, state, and local regulations may require reporting of PCB spills and may also define spill clean-up levels. Consult your attorney or appropriate regulatory officials for information relating to spill reporting and spill clean-up.

Section 7 - Handling and Storage

Keep container tightly closed.

Store at controlled room temperature.

Do not breath vapor or mist.

Do not get in eyes, on skin, or on clothing.

Retained residue may make empty containers hazardous; use caution!

This product should only be used by persons trained in the safe handling of hazardous chemicals.

Section 8 - Exposure Controls / Personal Protection

Personal Protection Equipment (PPE):

Respiratory Protection: If workplace exposure limit(s) of product or any component is exceeded (see TLV/PEL), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your safety equipment supplier). Engineering and/or administrative controls should be implemented to reduce exposure.

Protective gloves must be worn to prevent skin contact.

Safety glasses with side shields must be worn at all times.

Impervious protective clothing should be worn to prevent skin contact.

General Hygiene Considerations:

Material must be handled or transferred in an approved fume hood or with equivalent ventilation.

Wash thoroughly after handling. Do not take internally. Eye wash and safety equipment should be readily available.

Section 9 - Physical and Chemical Properties**Physical and chemical properties for the Compound**

Appearance: Colorless, viscous liquid

Odor: N/A

Boiling Point: 365 to 390 °C (689 to 734 °F)

Melting Point: N/A

pH: N/A

Specific Gravity (Water = 1): 1.49 to 1.50 g/cm³ (65 °C)

Vapor Pressure: 0.00006

Vapor Density (Air = 1): 12.82 g/L

Percent Volatile (by volume): N/A

Evaporation Rate (Butyl acetate = 1): N/A

Flash Point: None

Explosion Limits (%): N/A to N/A

Solubility in water (%): Insoluble

Section 10 - Stability and Reactivity**Stability and reactivity for the Compound**

Stability: Stable

None indicated

Hazardous Decomposition: Carbon oxides; Phenolics; Aldehydes; Polychlorinated dibenzofurans & dibenzo-p-dioxins

Hazardous Polymerization: Does not occur

Conditions to Avoid: Excessive heat

Section 11 - Toxicological Information

See section 3 for specific toxicological information for the ingredients of this product.

Section 12 - Ecological Information

By complying with sections 6 and 7 there will be no release to the environment.

Section 13 - Disposal Considerations

Recycle or incinerate at any EPA approved facility or dispose in compliance with Federal, State and local regulations. Empty containers must be triple-rinsed prior to disposal.

Section 14 - Transport Information

DOT UN Number: UN2315 Shipping Class: 9 Packing Group: II CARCINOGENIC

Section 15 - Regulatory Information

In addition to Federal and state regulations, local regulations may apply. Check with your local regulatory authorities.

The following regulations apply:

WARNING: This product contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

The CAS number of this product is NOT listed on the TSCA Inventory. For reasearch and development use only. Not for manufacturing or commercial purposes.

Section 16 - Other Information

This document has been designed to meet the requirements of OSHA, ANSI and CHIPs regulations.

The statements contained herein are offered for informational purposes only and are based on technical data that we believe to be accurate. It is intended for use only by persons having the necessary technical skill and at their own discretion and risk. Since conditions and manner of use are outside our control, we make NO WARRANTY, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE.

Key : N/A = Not Applicable ND = Not Determined NR = Not regulated

*** End of document ***