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M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1. - - - - - CHEMICAL IDENTIFICATION- - - - -

CATALOG #: B0500
NAME: BARBITAL SODIUM--DEA SCHEDULE IV ITEM

SECTION 2. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -

CAS #: 144-02-5
MF: C8H11N2NAO3
EC NO: 205-613-9

SYNONYMS

BARBITAL NA * BARBITAL SODIUM * BARBITAL, SODIUM DERIV. * BARBITAL SOLUBLE * BARBITONE SODIUM * BARBITONE, SODIUM DERIV. * DIETHYLBARBITURATE MONOSODIUM * 5,5-DIETHYLBARBITURIC ACID SODIUM DERIV. * DIETHYLMALONYLUREA SODIUM * EMBINAL * MEDINAL * NATRINAL * NATRIUMBARBITALS (GERMAN) * NERVOSETON * 2,4,6(1H,3H,5H)-PYRIMIDINETRIONE, 5,5-DIETHYL-, MONOSODIUM SALT (9CI) * SODIUM BARBITAL * SODIUM BARBITONE * SODIUM DIETHYLBARBITURATE * SODIUM 5,5-DIETHYLBARBITURATE * SODIUM ETHYLBARBITAL * SODIUM MALONYLUREA * SODIUM VERONAL * SOLUBLE BARBITAL * SOPRINAL * THYALONE * VERONAL SODIUM *

SECTION 3. - - - - - HAZARDS IDENTIFICATION - - - - -

LABEL PRECAUTIONARY STATEMENTS

TOXIC
MAY CAUSE HARM TO THE UNBORN CHILD.
HARMFUL IF SWALLOWED.
MAY CAUSE SENSITIZATION BY INHALATION AND SKIN CONTACT.
TARGET ORGAN(S):
NERVES
DO NOT BREATHE DUST.
IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.
KEEP CONTAINER TIGHTLY CLOSED IN A COOL WELL-VENTILATED PLACE.

SECTION 4. - - - - - FIRST-AID MEASURES- - - - -

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN IMMEDIATELY.
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
IN CASE OF SKIN CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. CALL A PHYSICIAN.
IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING THE EYELIDS WITH FINGERS. CALL A PHYSICIAN.

SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -

EXTINGUISHING MEDIA

WATER SPRAY.
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6. - - - - - ACCIDENTAL RELEASE MEASURES- - - - -
 WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.
 WEAR DISPOSABLE COVERALLS AND DISCARD THEM AFTER USE.
 SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.
 AVOID RAISING DUST.
 VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.
 EVACUATE AREA.

SECTION 7. - - - - - HANDLING AND STORAGE- - - - -
 REFER TO SECTION 8.

SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - - -
 USE ONLY IN A CHEMICAL FUME HOOD.
 SAFETY SHOWER AND EYE BATH.
 WASH CONTAMINATED CLOTHING BEFORE REUSE.
 WASH THOROUGHLY AFTER HANDLING.
 DO NOT BREATHE DUST.
 DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
 AVOID PROLONGED OR REPEATED EXPOSURE.
 NIOSH/MSHA-APPROVED RESPIRATOR.
 COMPATIBLE CHEMICAL-RESISTANT GLOVES.
 CHEMICAL SAFETY GOGGLES.
 KEEP TIGHTLY CLOSED.
 STORE IN A COOL DRY PLACE.

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -
 PHYSICAL PROPERTIES
 SOLUBILITY:
 WATER -Z26130
 PH: 9,0 - 10,5

SECTION 10. - - - - - -STABILITY AND REACTIVITY - - - - -
 STABILITY
 STABLE.
 INCOMPATIBILITIES
 STRONG OXIDIZING AGENTS
 HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
 CARBON MONOXIDE, CARBON DIOXIDE
 NITROGEN OXIDES
 HAZARDOUS POLYMERIZATION
 WILL NOT OCCUR.

SECTION 11. - - - - - TOXICOLOGICAL INFORMATION - - - - -
 ACUTE EFFECTS
 EFFECTS OF OVEREXPOSURE INCLUDE SEDATION, HYPNOSIS AND COMA DEPENDING UPON AMOUNT INGESTED. HAS BEEN IMPLICATED IN THE DEVELOPMENT OF APLASTIC ANEMIA.
 PROLONGED OR REPEATED EXPOSURE CAN LEAD TO HABITUATION OR ADDICTION.
 MAY CAUSE SKIN IRRITATION.
 MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.
 MAY CAUSE EYE IRRITATION.
 MAY BE HARMFUL IF INHALED.
 MATERIAL MAY BE IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.
 HARMFUL IF SWALLOWED.
 MAY CAUSE ALLERGIC RESPIRATORY AND SKIN REACTIONS.

CHRONIC EFFECTS
 MAY CAUSE CONGENITAL MALFORMATION IN THE FETUS.
 TARGET ORGAN(S):
 NERVES

RTECS #: CQ3850000
 BARBITURIC ACID, 5,5-DIETHYL-, SODIUM SALT

TOXICITY DATA

ORL-RAT LD50:600 MG/KG	ARTODN 54,275,1983
IPR-RAT LD50:300 MG/KG	ANESAV 17,43,1956
IVN-RAT LD50:280 MG/KG	JPETAB 135,213,1962
ORL-MUS LD50:800 MG/KG	TXAPA9 27,70,1974
IPR-MUS LD50:620 MG/KG	JPETAB 87,265,1946
SCU-MUS LD50:700 MG/KG	JPETAB 109,268,1953

IVN-MUS LD50:830 MG/KG
IPR-RBT LD50:250 MG/KG

TXAPA9 27,70,1974
JPETAB 42,253,1931

TARGET ORGAN DATA

SENSE ORGANS AND SPECIAL SENSES (MYDRIASIS)
BEHAVIORAL (GENERAL ANESTHETIC)
BEHAVIORAL (SLEEP)
KIDNEY, URETER, BLADDER (KIDNEY TUMORS)
EFFECTS ON FERTILITY (POST-IMPLANTATION MORTALITY)
EFFECTS ON FERTILITY (OTHER MEASURES OF FERTILITY)
SPECIFIC DEVELOPMENTAL ABNORMALITIES (CENTRAL NERVOUS SYSTEM)
SPECIFIC DEVELOPMENTAL ABNORMALITIES (CRANIOFACIAL)
SPECIFIC DEVELOPMENTAL ABNORMALITIES (BODY WALL)
SPECIFIC DEVELOPMENTAL ABNORMALITIES (MUSCULOSKELETAL SYSTEM)
EFFECTS ON NEWBORN (BEHAVIORAL)
TUMORIGENIC (EQUIVOCAL TUMORIGENIC AGENT BY RTECS CRITERIA)
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR
COMPLETE INFORMATION.

SECTION 12. - - - - - ECOLOGICAL INFORMATION - - - - -
DATA NOT YET AVAILABLE.

SECTION 13. - - - - - DISPOSAL CONSIDERATIONS - - - - -
CONTACT THE DRUG ENFORCEMENT ADMINISTRATION CONCERNING THE DISPOSAL
OF CONTROLLED SUBSTANCES.
OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. - - - - - TRANSPORT INFORMATION - - - - -
CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. - - - - - REGULATORY INFORMATION - - - - -

EUROPEAN INFORMATION

TOXIC

R 61

MAY CAUSE HARM TO THE UNBORN CHILD.

R 22

HARMFUL IF SWALLOWED.

R 42/43

MAY CAUSE SENSITIZATION BY INHALATION AND SKIN CONTACT.

S 22

DO NOT BREATHE DUST.

S 45

IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE
IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

S 36/37/39

WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE
PROTECTION.

S 3/7/9

KEEP CONTAINER TIGHTLY CLOSED IN A COOL WELL-VENTILATED PLACE.

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK

NOHS 1974: HZD M0315; NIS 5; TNF 1799; NOS 10; TNE 12999

NOES 1983: HZD M0315; NIS 3; TNF 757; NOS 12; TNE 16027; TFE 12575

U.S. INFORMATION

CALIFORNIA PROPOSITION 65:

THIS PRODUCT IS OR CONTAINS CHEMICAL(S) KNOWN TO THE STATE OF
CALIFORNIA TO CAUSE DEVELOPMENTAL TOXICITY.

SECTION 16. - - - - - OTHER INFORMATION - - - - -

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO
BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. SIGMA, ALDRICH,
FLUKA SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING
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PACKING SLIP FOR ADDITIONAL TERMS AND CONDITIONS OF SALE.
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