

MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-57/57-44-3.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

57-44-3

Code:

M

RTECS:

CQ3500000

Code:

M

Name:

BARBITAL

Other REC Limits:

N/K

OSHA PEL:

N/K

Code:

M

OSHA STEL:**Code:****ACGIH TLV:**

N/K

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

USE NIOSH APPROVED DUST RESPIRATOR.

Ventilation:

LOCAL EXHAUST: HOOD SYSTEM (>100 CFM VELOCITY).

Protective Gloves:

3 PROTECTIVE

Eye Protection:

SPLASH-PROOF/DUST RESISTANT GOGGLES

Other Protective Equipment:

Equipment FACESCREEN, EYE WASH FOUNTAIN, &SHOWER.

Work Hygienic Practices:

REMOVE/LAUNDER CONTAMINATED CLOTHING &SHOES BEFORE REUSE.

Supplemental Safety and Health:

MATERIALS TO AVOID CONT: CARBON DISULFIDE/PHOSGENE/CHROMYL CHLORIDE/CYANURIC ACID/DIBROMOMALONITRILE/DIMETHYL SULFATE/2,5-DINITRO-3-METHYLBENZOIC ACID/HEAVY METALS/LEAD/NITRIC ACID/SULFURIC ACID/TRIFLUOROACRYLOYL CHLORIDE/WATER/SODIUM/AZIDE. THE AZIDE ION INHIBITS CYTOCHROME OXIDASE & PHOSPHORYLATION.

Health Hazards Data

LD50/LC50 Mixture:

ORAL LD50 (RAT): 27 MG/KG

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

SKIN: IRRITATION/REDNESS/& BURNS. EYE: IRRITATION/CORNEAL BURNS/& RETINA/OPTIC NERVE INJURY. INHALATION: DIZZINESS/ANXIETY/CONFUSION/DROWSINESS/NAUSEA/VOMITING, RAPID/SLOW RESPIRATION/GASPING/CYANOSIS /HYPOTENSION/& COMA. INGESTION: BREATHLESSNESS/TACHYCARDIA/& HEAD POUNDING SENSATIONS.

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms Of Overexposure:

SKIN: DERMATITIS. EYE: CONJUNCTIVITIS. INHALATION: SWEATING/PULMONARY EDEMA/BRONCHITIS/COLLAPSE/UNCONSCIOUSNESS/RESPIRATORY FAILURE/WEAKNESS/THROAT/MUCOUS MEMBRANE IRRITATION/ANOREXIA/WEIGHT LOSS/VASO DILATION/& DEATH. INGESTION: TOXIC/HEADACHE/RESTLESSNESS/POLYDIPSIA/CARDIOMYOPATHY/LEUKOCYTOSIS/& DEATH.

Medical Cond Aggravated By Exposure:

N/K 2

First Aid:

EYES: FLUSH W/PLENTY OF WATER OR NORMAL SALINE FOR AT LEAST 15 MINS. SKIN: WASH W/SOAP OR MILD DETERGENT & PLENTY OF WATER. INHALATION: REMOVE TO FRESH AIR. GIVE CPR OR OXYGEN, IF NEEDED. KEEP WARM & AT REST. TREAT SYMPTOMATICALLY & SUPPORTIVELY. INGESTION: IF CONSCIOUS, INDUCE VOMITING BY GASTRIC LAVAGE OR EMESIS USING ACTIVATED CHARCOAL. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures:

S LEAK SAFELY. SMALL SPILL: TAKE UP W/SAND OR OTHER ABSORBENT. PLACE INTO CONTAINERS FOR DISPOSAL. SMALL DRY SPILL: USE CLEAN SHOVEL TO PLACE MATERIAL INTO CLEAN, DRY CONTAINERS & COVER. MOVE CONTAINERS FROM AREA. VENTILATE CLOSED SPACES.

Neutralizing Agent:

N/K

Waste Disposal Methods:

DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS.

Handling And Storage Precautions:

AVOID BREATHING POISONOUS VAPORS. DON'T TOUCH SPILLED MATERIAL OR WEAR CONTACT LENSES. AVOID CONTACT W/EYES & SKIN.

Other Precautions:

POISON.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:**Flash Point Text:**

COMBUSTIBLE

Autoignition Temp:**Autoignition Temp Text:**

N/A

Lower Limits:

N/K

Upper Limits:

N/K

Extinguishing Media:DRY CHEMICAL, CO₂, HALON, WATER SPRAY, OR STANDARD FOAM.**Fire Fighting Procedures:**

KEEP UPWIND. EVACUATE TO A RADIUS OF 2500 FEET FOR UNCONTROLLABLE FIRES. USE WATER SPRAY TO REDUCE VAPORS.

Unusual Fire/Explosion Hazard:

MAY BURN BUT DOES NOT IGNITE READILY. MAY EXPLODE FROM FRICTION, HEAT, OR CONTAMINATION.

Physical/Chemical Properties

HCC:**NRC/State Lic No:****Net Prop WT For Ammo:****Boiling Point:****B.P. Text:**

N/K

Melt/Freeze Pt:**M.P./F.P. Text:**

52°F

Decomp Temp:**Decomp Text:**

N/K

Vapor Pres:

N/R

Vapor Density:

N/R

Volatile Org Content %:**Spec Gravity:**

1.8

VOC Pounds/gallon:**VOC Pounds/Cwt:****PH:**

N/K

VOC Grams/Liter:**Viscosity:**

N/P

Evaporation Rate & Reference:

N/R

Solubility in Water:

42%

Appearance and Odor:

CRYSTALLINE SOLID

Percent Volatiles by Volume:

N/K

Corrosion Rate:

N/K

Reactivity Data

Stability Indicator:

NO

Stability Condition To Avoid:

SHOCK & HEAT

Materials To Avoid:

ACIDS/AMMONIUM CHLORIDE/TRICHLOROACETONITRILE/BARIUM CARBONATE/BENZOYL CHLORIDE/POTASSIUM HYDROXIDE/BROMINE. SFE SUPP.

Hazardous Decomposition Products:

N/A

Hazardous Polymerization Indicator:

NO

Other Precautions:

N/K 4

Toxicological Information

Information:

N/P

MSDS Transport Information

Information:

N/P

Regulatory Information

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information

Other Information:

N/P

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