

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-126/12691-60-0.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
12691-60-0
Code:
M

RTECS:

Code:
X

Name:
BENTONE (R) 27

Other REC Limits:
NOT ESTABLISHED

OSHA PEL:
NOT ESTABLISHED
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
MFR STATES NOT NORMALLY REQUIRED

Ventilation:
SUFFICIENT TO KEEP VAPORS BELOW TLV.

Protective Gloves:
RUBBER

Eye Protection:
GOGGLES WITH SIDE SHIELDS

Other Protective Equipment:
Equipment AS NEEDED FOR SKIN CONTACT PREVENTION

Work Hygienic Practices:
N/P

Supplemental Safety and Health:
NONE

Health Hazards Data

LD50LC50Mixture:
ORAL RAT LD50 = 2050 MG/KG (N-BUTYL ETH)

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
ACUTE: EYE- IRRITATION WITH SLIGHT REVERSIBLE DAMAGE UPON DIRECT CONTACT. SKIN- IRRITATION, SENSITIZATION DERMATITIS. INHALE- IRRITATION TO MUCOUS MEMBRANES, COUGHING, DYSPNEA AND CNS DEPRESSION. INGE ST- SORE THROAT, ABDOMINAL PAIN, DIZZINESS. CHRONIC: DUSTS MAY CAUSE SHORTNESS OF BREATH. CONJUNTIVITIS.

Explanation Of Carcinogenicity:
N/P

Signs And Symptions Of Overexposure:
IRRITATION AND SLIGHT REVERSIBLE DAMAGE TO THE EYE. POSSIBLE CONJUNTIVITIS. SENSITIZATION DERMATITIS. IRRITATION TO UPPER RESPIRATORY TRACT. NUISANCE DUSTS MAY RESULT IN SHORTNESS OF BREATH. IRRITATION TO THE MUCOUS MEMBRANES, COUGHING, DYSPNEA AND CENTRAL NERVOUS SYSTEM DEPRESSION. DIZZINESS, DULLNESS, SORE THROAT.

Medical Cond Aggravated By Exposure:
3 N/P

First Aid:
INHAL: REMOVE TO FRESH AIR. SKIN: REMOVE WITH ALCOHOL THEN WASH WITH SOAP & WATER. EYE: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES, CALL MD. CALL MD FOR ANY UNUSUAL EXPOSURE.

Spill Release Procedures:
S LEAK IF YOU CAN DO IT WITHOUT RISK. TAKE UP WITH SAND OR OTHER ABSORBENT MATERIAL AND PLACE INTO CLEAN, DRY CONTAINERS FOR LATER DISPOSAL. KEEP UNNECESSARY PEOPLE AWAY. ISOLATE HAZARD AREA AND DE NY ENTRY.

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
DISPOSE IAW FEDERAL,STATE & LOCAL CODES.

Handling And Storage Precautions:
STORE AWAY FROM INCOMPATIBLE SUBSTANCES.

Other Precautions:
N/P

Fire and Explosion Hazard Information

Flash Point Method:
TOC

Flash Point:

Flash Point Text:
220F,104C

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/K

Upper Limits:
N/K

Extinguishing Media:
USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG.

Fire Fighting Procedures:
4 MOVE CONTAINER FROM FIRE AREA IF POSSIBLE. DO NOT SCATTER SPILLED MATERIAL WITH HIGH PRESSURE WATER STREAMS. DIKE FIRE CONTROL WATER FOR LATER DISPOSAL.

Unusual Fire/Explosion Hazard:
SLIGHT FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME.

Physical/Chemical Properties

HCC:
N1

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/K 5

Melt/Freeze Pt:

M.P/F.P Text:
N/K

Decomp Temp:

Decomp Text:
UNKNOWN

Vapor Pres:
N/K

Vapor Density:
N/K

Volatile Org Content %:

Spec Gravity:
1.2

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/K

Solubility in Water:
SLIGHTLY SOLUBLE

Appearance and Odor:
DEEP RED PASTE WITH AN ETHER-LIKE ODOR.

Percent Volatiles by Volume:
N/K

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
ABNORMAL TEMPERATURES AND PRESSURES.

Materials To Avoid:
STRONG OXIDIZERS AND CAUSTICS. STRONG ACIDS, AMINE COMPOUNDS, BASES, OR MERCAPTANS.

Hazardous Decomposition Products:
THERMAL DECOMPOSITION MAY RELEASE TOXIC AND/OR HAZARDOUS GASES.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
N/R

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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