

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-87/87-84-3.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
87-84-3

Code:
M

RTECS:

Code:
X

Name:
1,2,3,4,5-PENTABROMO-6-CHLOROCYCLOHEXANE

Other REC Limits:
N/K

OSHA PEL:
N/K

Code:
M

OSHA STEL:

Code:

ACGIH TLV:
N/K

Code:
M

ACGIHSTEL:
N/P

Code:

Control Measures

Respiratory Protection:
IF >TLV, USE NIOSH/MSHA APPROVED AIR-PURIFYING OR SUPPLIED AIR RESPIRATOR.

Ventilation:
LOCAL EXHAUST/GOOD GENERAL ROOM VENTILATION: TO KEEP

Protective Gloves:
RECOMMENDED

Eye Protection:
SAFETY GLASSES W/SIDE GUARDS

Other Protective Equipment:
Equipment ABRON, BOOTS, HEAD &FACE PROTECTION, NON-STATIC CREATING CLOTHING &CONDUCTIVE SHOES, SLEEVES

Work Hygienic Practices:
REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. THOROUGHLY CLEAN EQUIPMENT AFTER EACH USE. WASH AFTER HANDLING.

Supplemental Safety and Health:
VAPORS GENERATED FROM SOLIDS CAN LOWER FLASH POINT OF SOLID-FUEL MIXTURE.

Health Hazards Data

LD50LC50Mixture:
N/K

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
2 INHALATION: COUGHING, SHORTNESS OF BREATH, DIZZINESS, & INTOXICATION. EYES: IRRITATION, PAIN, BLINKING, TEARS, OR REDNESS. SKIN: IRRITATION, ABSORPTION, & ALLERGIC SENSITIZATION.

Explanation Of Carcinogenicity:
NONE

Signs And Symptions Of Overexposure:
INHALATION: COUGHING, SHORTNESS OF BREATH, DIZZINESS, & INTOXICATION. EYES: IRRITATION, PAIN, BLINKING, TEARS, OR REDNESS. SKIN: IRRITATION, ABSORPTION, & ALLERGIC SENSITIZATION.

Medical Cond Aggravated By Exposure:
N/K

First Aid:
INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. EYES: IMMEDIATELY RINSE W/CLEAN WATER FOR 20-30 MINS. RETRACT EYELIDS OFTEN. SKIN: WASH THOROUGHLY W/MILD SOAP & WATER . FLUSH W/LUKEWARM WATER FOR 15 MINS. IF STICKY, USE WATERLESS CLEANER FIRST. INGESTION: OBTAIN MEDICAL ATTENTION IN ALL CASES. TREAT SYMPTOMATICALLY. NO FURTHER TREATMENT IS REQUIRED.

Spill Release Procedures:
KILL IGNITION SOURCE. VENTILATE AREA. SPREAD GRANULAR COVER/OPEN GRATING ON WALKWAYS TO PREVENT SLIPPING. WEAR PROTECTION. PREVENT FLOW TO LOW AREAS. VACUUM/SHOVEL INTO SUITABLE DISPOSAL CONTAINERS. C OBTAIN/COLLECT/TRANSFER. CLEAN UP SPILLS PROMPTLY.

Neutralizing Agent:
N/K

Waste Disposal Methods:
BURN/LANDFILL. SOLIDS ACCORDING TO LOCAL/STATE/FEDERAL REGS. USE REGISTERED TRANSPORTERS. CONTAMINATED PRODUCT/SOIL/WATER SHOULD BE CONSIDERED DANGEROUS DUE TO POTENTIAL EVOLUTION OF FLAMMABLE VAPORS. EXTREMELY FLAMMABLE. UN 2211.

Handling And Storage Precautions:
KEEP CONTAINERS TIGHTLY CLOSED. TRANSPORT/STORE IN SEALED FULL CONTAINERS <80F IN WELL-VENTILATED AREAS. FOR INDUSTRIAL USE ONLY. DONT INGEST.

Other Precautions:
BLOW AIR ACROSS OPEN FOR 5 MINS AFTER OPENING. USE PROPER GROUNDING. AVOID CONTACT W/EYES & SKIN. AVOID INHALATION OF VAPOR. MINIMIZE STATIC SPARKS. AVOID FLASH AIR. KEEP FROM CHILDEN. PREVENT CON TACT W/FOOD/CHEWING/SMOKING MATERIALS.

Fire and Explosion Hazard Information

Flash Point Method:
CC

Flash Point:

Flash Point Text:
-74.2F

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
1.4%

Upper Limits:
8.3%

Extinguishing Media:
DRY CHEMICAL/CO2/WATER SPRAY/WATER FOG/FOAM/WATER. INTERMITTENT FOG APPLICATION PROVIDES SURFACE COOLING/PROTECTION.

Fire Fighting Procedures:
3 WEAR PROPER PROTECTION/SAFELY FIGHT FIRE. USE STRAIGHT STREAM OF WATER TO DIG INTO HOT MOLTEN MASS FROM OUTSIDE TO OPEN/COOL INTERIOR/PREVENT REIGNITION.

Unusual Fire/Explosion Hazard:
VAPOR ARE >AIR/TRAVEL LONG DISTANCE/IGNITE/FLASH BACK. GENERATION OF STATIC CHARGE CAUSES SPARK/IGNITION/EXPLOSION. EXTREMELY FLAMMABLE. AUTOIGNITION TEMP: 500F

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/R

Melt/Freeze Pt:

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

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
500 PSIA

Vapor Density:
N/K

Volatile Org Content %:

Spec Gravity:
0.94

VOC Pounds/Gallon:

PH: N/R

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/K

Solubility in Water:
NEGLEGIBLE

Appearance and Odor:
WHITE SPHERICAL BEADS W/SOLVENT ODOR.

Percent Volatiles by Volume:
SLIGHT

Corrosion Rate:
N/K 4

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
OXIDIZING CONDITIONS, HEAT, OPEN FLAMES, TEMPERATURES >80F, SPARKS, &OTHER IGNITION SOURCES

Materials To Avoid:
STRONG OXIDIZING AGENTS &COMBUSTIBLE MATERIALS

Hazardous Decomposition Products:
CO, CO2, FLAMMABLE VAPORS, STATIC CHARGE, &DENSE BLACK SMOKE

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
N/K

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