

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-140/14059-33-7.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
14059-33-7
Code:
M

RTECS:

Code:
X

Name:
BISMUTH BANADATE

Other REC Limits:
NONE RECOMMENDED

OSHA PEL:
NOT ESTABLISHED
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
USE ORGANIC VAPOR CARTRIDGE OR AIR-SUPPLIED RESPIRATOR.

Ventilation:
GENERAL VENTILATION TO MAINTAIN VAPORS BELOW TLV AND PEL.

Protective Gloves:
SOLVENT RESISTANT

Eye Protection:
GOGGLES OR FULL FACE SHIELD.

Other Protective Equipment:
Equipment PROTECTIVE CLOTHING

Work Hygienic Practices:
SAFETY SHOWER, EYEBATH AND WASHING FACILITIES SHOULD BE AVAILABLE.

Supplemental Safety and Health:
NK 5

Health Hazards Data

LD50LC50Mixture:

NK

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

YES

OSHA:

NO

Health Hazards Acute And Chronic:
EYES: BURNING, TEARING, REDDENING. SKIN: DRYING, CRACKING, DERMATITIS. INHAL: DIZZY, DROWSY, FATIGUE, LIVER/KID DAMAGE, HEADACHE, NAUSEA, INGEST: DROWSY, DIZZY, NAUSEA, DIGESTIVE TRACT IRRIT.

Explanation Of Carcinogenicity:
CARBON BLACK IS LISTED BY IARC AS A CARCINOGEN.

Signs And Symptions Of Overexposure:

NK

Medical Cond Aggravated By Exposure:

NK

First Aid:
EYES: FLUSH W/WATER 15 MINUTES, GET MED AID. SKIN: WASHW/SOAP & WATER, DO NOT USE SOLVENTS. REMOVE CONTAM CLOTHING, WASH BEFORE REUSE. GET MED AID. INHAL: REMOVE TO FRESH AIR, GIVE ARTIF RESP/CPR IF B REATHING DIFFICULT, GET MED AID. INGEST: GET MED AID.

Spill Release Procedures:
PROTECT FROM IGNITS. WEAR AIR-SUPPLIED RESPIRATOR. COVER W/ABSORBENT MATERIAL. SCOOP INTO CONTAINER. CLEAN RESIDUE W/SUITABLE SOLVENT. CERCLA RQ FOR XYLENE 1000 LBS.

Neutralizing Agent:

NK

Waste Disposal Methods:
IN ACCORDANCE W/FEDERAL, STATE AND LOCAL REGULATIONS. 4

Handling And Storage Precautions:
KEEP CONTAINER TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS, OPEN FLAME. DONT STORE >120F.

Other Precautions:
EMPTY DRUMS MAY CONTAIN EXPLOSIVE VAPORS. DO NOT CUT/PUNCTURE/WELD. VAPORS >AIR, MAY COLLECT IN LOW/CONFINED AREAS.

Fire and Explosion Hazard Information

Flash Point Method:

SCC

Flash Point:

Flash Point Text:

80.0F,26.7C

Autoignition Temp:

Autoignition Temp Text:

NK

Lower Limits:

NK

Upper Limits:

NK

Extinguishing Media:
CARBON DIOXIDE, DRY CHEMICAL, FOAM

Fire Fighting Procedures:
WATER SPRAY MAY BE INEFFECTIVE. COOL FIRE EXPOSED CONTAINERS W/WATER. USE NIOSH/MSHA APPROVED SCBA, PROTECTIVE CLOTHING. PREVENT CONTACT SKIN/EYES.

Unusual Fire/Explosion Hazard:
VAPORS MAY ACCUMULATE, FORM EXPLOSIVE MIXTURES, TRAVEL. FLASH BACK OR FLAME MAY OCCUR. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

Physical/Chemical Properties

HCC:

NRC/State LIC No:

NK

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:

213 TO 300F

Melt/Freeze Pt:

M.P/F.P Text:

NA

Decomp Temp:

Decomp Text:

NA

Vapor Pres:

NA

Vapor Density:

>AIR

Volatile Org Content %:

Spec Gravity:

1.346

VOC Pounds/Gallon:

PH: NA

VOC Grams/Liter:

420

Viscosity:

NK

Evaporation Rate & Reference:

NA

Solubility in Water:

NA

Appearance and Odor:
GREEN LIQUID, SOLVENT ODOR.

Percent Volatiles by Volume:

39.6

Corrosion Rate:

NA

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

NONE

Materials To Avoid:

NONE

Hazardous Decomposition Products:
CARBON DIOXIDE AND CARBON MONOXIDE

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

NONE

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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WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information is based on the present state of our knowledge and is

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