

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

ACGIH STEL:

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

LD50/LC50 Mixture:

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 Symptoms 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 REAHTING 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:

NONE

Boiling Point:

121.3 TO 300F

Melt/Freeze Pt:

420

Viscosity:

NK

Evaporation Rate & Reference:

NA

Signs And Symptoms Of Overexposure:

NK

Medical Cond Aggravated By Exposure:

NK

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Toxicological Information

Information:

N/P

MSDS Transport Information

Information:

N/P

Regulatory Information

Sara Title III Information:

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