

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-133/1332-07-6.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

1332-07-6

Code:

M

RTECS:**Code:**

X

Name:

ZINC BORATE

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:

WHERE VENTILATION IS INADEQUATE, USE A SUITABLE RESPIRATOR.

Ventilation:

GENERAL DILUTION/LOCAL EXHAUST IN VOLUME & PATTERN TO KEEP

Protective Gloves:

NITRILE, NEOPRENE, OR LATEX

Eye Protection:

CHEMICAL SPLASH GOGGLES

Other Protective Equipment:

Equipment PROTECTIVE CLOTHING INCLUDING IMPERMEABLE

Work Hygienic Practices:

CLEAN OR DISCARD CONTAMINATED CLOTHING & SHOES BEFORE REUSE.

Supplemental Safety and Health:

PERCENT SOLID BY WEIGHT: 55.38. 10.82 LBS/GAL.

Health Hazards Data

LD50/LC50 Mixture:

N/K

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES 3

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

INGESTION: HARMFUL. EYES/SKIN: IRRITATION. INHALATION: HARMFUL, IRRITATION, NOSE/THROAT, BREATHING DIFFICULTIES.

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms Of Overexposure:

EYES: IRRITATION, REDNESS, ITCHING, BURNING SENSATION/VISUAL DISTURBANCES. SKIN: IRRITATION, DRYNESS, ITCHING, CRACKING, BURNING, REDNESS, & SWELLING. INHALATION: HARMFUL. INGESTION: HARMFUL & CORROSIVE.

Medical Cond Aggravated By Exposure:

N/R

First Aid:

INGESTION: DON'T INDUCE VOMITING. EYES: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS. SKIN: WIPE OFF W/WATERLESS HAND CLEANER & WASH W/SOAP & WATER. INHALATION: REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION & OTHER SUPPORTIVE MEASURES AS REQUIRED. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures:

PROVIDE MAXIMUM VENTILATION. REMOVE ALL SOURCES OF IGNITION. TAKE UP SPILLED MATERIAL W/SAWDUST, VERMICULITE, OR OTHER ABSORBENT MATERIAL & PLACE INTO CONTAINERS FOR DISPOSAL. WEAR PROTECTIVE EQUIPMENT.

Neutralizing Agent:

N/K

Waste Disposal Methods:

DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS. EMPTY CONTAINERS SHOULD BE RECYCLED OR DISPOSED OF THROUGH AN APPROVED WASTE MANAGEMENT FACILITY. COMBUSTIBLE LIQUID.

Handling And Storage Precautions:

DON'T STORE >120F. AVOID WELDING, BRAZING, OR FLAME-CUTTING ON SURFACES COATED W/PRODUCT. LIQUIDS.

Other Precautions:

AVOID INHALATION OF VAPOR OR SPRAY MIST.

Fire and Explosion Hazard Information

Flash Point Method:

PMCC

Flash Point:**Flash Point Text:**

N/R

Autoignition Temp:**Autoignition Temp Text:**

N/A

Lower Limits:

N/R

Upper Limits:

N/K

Extinguishing Media:

USE NFPA CLASS B EXTINGUISHER SUCH AS CO₂, DRY CHEMICAL OR UNIVERSAL AQUEOUS FILM FORMING FOAM. 4

Fire Fighting Procedures:

WATER SPRAY MAY BE INEFFECTIVE. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. WEAR SELF CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:

USE WATER SPRAY TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP/POSSIBLE AUTOIGNITION/EXPLOSION WHEN EXPOSED TO EXTREME HEAT. COMBUSTIBLE LIQUID.

Physical/Chemical Properties

HCC:**NRC/State LIC No:****Net Prop WT For Ammo:****Boiling Point:****B.P. Text:****Melt/Freeze Pt:****N/P/F.P. Text:****Decomp Temp:****Decomp Text:**

N/K

Vapor Pres:

17.2

Vapor Density:

>ATP

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

1.30

VOC Pounds/Gallon:**PH:**

N/K

VOC Grams/Liter:**Viscosity:****N/P:****Evaporation Rate & Reference:**

(BU-AC = 100): 34

Solubility in Water:

42.6%

Appearance and Odor:

LIQUID/ODOR CHARACTERISTIC OF CHEMICAL FAMILY/SOLVENTS.

Percent Volatiles by Volume:

79%

Corrosion Rate:

N/K 5

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

TEMPS >120F, & OTHER SOURCES OF IGNITION, FREEZING.

Materials To Avoid:

STRONG ALKALIES, MINERAL ACIDS, & OXIDIZING AGENTS.

Hazardous Decomposition Products:

CO, ZINC OXIDES, OXIDES OF NITROGEN

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/K

Toxicological Information

Information:

MSDS/Transport Information

Information:

Regulatory Information

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information

Other Information:**N/P**

Physical/Chemical Properties

HCC:**NRC/State LIC No:****Net Prop WT For Ammo:****Boiling Point:****B.P. Text:****Melt/Freeze Pt:****N/P/F.P. Text:****Decomp Temp:****Decomp Text:**

N/K

Vapor Pres:

17.2

Vapor Density:**>ATP****Volatile Org Content %:****Spec Gravity:**

1.30

VOC Pounds/Gallon:**PH:**

N/K

VOC Grams/Liter:**Viscosity:****N/P:****Evaporation Rate & Reference:**

(BU-AC = 100): 34

Solubility in Water:

42.6%

Appearance and Odor:

LIQUID/ODOR CHARACTERISTIC OF CHEMICAL FAMILY/SOLVENTS.

Percent Volatiles by Volume:

79%

Corrosion Rate:

N/K