

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-130/1303-96-4.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

1303-96-4

Code:

T

RTECS:

VZ2275000

Code:

T

Name:

BORAX % low Wt: 0. Code: M % high Wt: 4. Code: M

Other REC Limits:

N/P

OSHA PEL:

N/P

Code:

OSHA STEL:

N/P

Code:

ACGIH TLV:

N/P

Code:

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

VENTILATE TO KEEP AIR BELOW 45 PPM. IF OVER TLV, IN ACCORDANCE WITH 29 CFR (SPECIFIC TYPE) 1910.134, USA A NIOSH APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.

Ventilation:

MECHANICAL (GENERAL)

Protective Gloves:

WEAR GLOVES

Eye Protection:

WEAR OSHA STANDARD GOGGLES WITH FACE SHIELD.

Other Protective Equipment:

Equipment CONSULT SAFETY EQUIPMENT SUPPLIER. WEAR APRON & FOOTWEAR IMPERVIOUS TO THIS MATERIAL.

Work Hygienic Practices:

WASH CLOTHING BEFORE REUSE.

Supplemental Safety and Health:

N/P

Health Hazards Data

LD50/LC50 Mixture:

N/P

Route Of Entry Inds - Inhalation:

NO

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO 2

Health Hazards Acute And Chronic:

SKIN: PRIMARY IRRITATION, ABSORPTION, DEFATTING, DERMATITIS. EYES: PRIMARY IRRITATION. INGESTION: HARMFUL OR FATAL IF SWALLOWED, MAY CAUSE ABDOMINAL IRRITATION.

Explanation Of Carcinogenicity:

THIS PRODUCT HAS NO CARCINOGENS LISTED BY IARC, NTP, NIOSH, OR OSHA AS OF THIS DATE, GREATER OR EQUAL TO 0.1%.

Signs And Symptoms Of Overexposure:

EYES: REDNESS, TEARING, BLURRED VISION. INGESTION: NAUSEA, VOMITING, & DIARRHEA.

Medical Cond Aggravated By Exposure:

N/P

First Aid:

SKIN: FLUSH WITH PLENTY OF WATER. EYES: FLUSH WITH PLENTY OF WATER FOR 15 MIN. & GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. IF BREATHING HAS SPED, GIVE ARTIFICIAL RESPIRATION. INGESTION: CALL A PHYSICIAN IMMEDIATELY! INDUCE VOMITING PROMPTLY FOLLOWING PHYSICIANS INSTRUCTIONS OR BY HAVING PATIENT STICK FINGER DOWN THROAT. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Spill Release Procedures:

SMALL, MOP UP WITH ABSORBENT MATERIAL AND TRANSFER TO HOOD. LARGE, ISOLATE FROM OXIDIZERS, HEAT & OPEN FLAME. PERSONS WITHOUT PROPER PROTECTION SHOULD BE KEPT FROM AN AREA UNTIL CLEANED UP.

Neutralizing Agent:

N/A

Waste Disposal Methods:

SMALL, EVAPORATE UNTIL ALL VAPORS ARE GONE. DISPOSE OF REMAINDER BY LEGALLY APPLICABLE METHODS. LARGE, RECYCLE OR INCINERATE OBSERVING LOCAL, STATE, & FEDERAL HEALTH, SAFETY & POLLUTION REGULATIONS.

Handling And Storage Precautions:

STORE LARGE AMOUNTS IN STRUCTURES MADE FOR OSHA CLASS OTHER LIQUIDS. AVOID FREE FALL OF LIQUID. GROUND CONTAINERS WHEN TRANSFERRING.

Other Precautions:

DO NOT CUT, BRAZE OR WELD. EMPTY CONTAINER VERY HAZARDOUS! FOLLOW LABEL PRECAUTIONS.

Fire and Explosion Hazard Information

Flash Point Method:

TCC

Flash Point:

=118.3C, 245.F

Flash Point Text:

Autoignition Temp:

=398.9C, 750.F

Autoignition Temp Text:

Lower Limits:

1.5

Upper Limits:

Extinguishing Media:

CLASS III B LIQUID FIRES (DRY CHEMICAL, FOAM, OR CARBON DIOXIDE(CO2))

Fire Fighting Procedures:

3 WATER SPRAY MAY BE INEFFECTIVE ON FIRE BUT CAN PROTECT FIRE FIGHTERS & COOL CLOSED CONTAINERS. USE NOZZLES IF WATER IS USED. DO NOT ENTER CONFINED FIRE-SPACE WITHOUT FULL BUNKER GEAR. (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES & RUBBER BOOTS). A NIOSH APPROVED POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:

KEEP CONTAINER TIGHTLY CLOSED. ISOLATE FROM OXIDIZERS, HEAT & OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE TO EXTREME HEAT. APPLYING TO HOT SURFACE REQUIRES SPECIAL PRECAUTIONS. EMPTY CONTAINER VERY HAZARDOUS! FOLLOW ALL LABEL PRECAUTIONS!

Physical/Chemical Properties

HCC:

V5

NRC/State LC No:

Net Prop WT For Ammo:

Boiling Point:

>171.C, 339.8F

B.P. Text:

171-202C

Melt/Freeze Pt:

N/P/F.P Text:

Decomp Temp:

N/P Text:

Vapor Pres:

0.4

Vapor Density:

2.1

Water Solubility:

2.1

Volatile Org Content %:

Spec Gravity:

1.12

Solubility in Water:

1.12

Appearance and Odor:

ALIZARINE GREEN (BLUE), MILD ODOR.

Percent Volatiles by Volume:

97.1

Corrosion Rate:

N/P 4

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

HEAT & OPEN FLAMES.

Materials To Avoid:

ISOLATE FROM STRONG OXIDIZERS SUCH AS PERMANGANATES, CHROMATES & PEROXIDES

Hazardous Decomposition, Carbon Products: FROM BURNING.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

HEAT & OPEN FLAMES.

Toxicological Information

Information: N/P

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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