

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-121/12179-04-3.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

12179-04-3

Code:

M

RTECS:

VZ2540000

Code:

M

Name:

SODIUM BORATE, PENTAHYDRATE

Other REC Limits:

NONE RECOMMENDED

OSHA PEL:

10 MG/M3

Code:

M

OSHA STEL:

ACGIH TLV: 1 MG/M3; 9495

Code:

2 OSHA STEL:

ACGIH TLV:

1 MG/M3; 9495

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

NORMALLY NOT REQUIRED WITH ADEQUATE VENTILATION.

Ventilation:

NORMAL ROOM VENTILATION.

Protective Gloves:

NEOPRENE, NITRILE, OR NATURAL RUBBER

Eye Protection:

SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:

Equipment EYE WASH STATION AND SAFETY SHOWER, WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:

OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health:

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS. READ AND OBSERVE LEBEL PRECAUTIONS. 5

Health Hazards Data

LD50/LC50 Mixture:

N/K

Route Of Entry Inds - Inhalation:

N/P

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

ACUTE: IRRITATION OF EYES AND SKIN. INGESTION MAY BE HARMFUL. MAY UPSET STOMACH. CHRONIC: DRYING OF SKIN, DEFATTING OR DERMATITIS.

Explanation Of Carcinogenicity:

DATA PER MSDS 3

Signs And Symptoms Of Overexposure:

EYE & SKIN IRRITATION. MAYBE HARMFUL IF SWALLOWED.

Medical Cond Aggravated By Exposure:

NONE KNOWN

First Aid:

INHALATION: REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING. GET MEDICAL ATTENTION. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION: DO NOT INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION.

Spill Release Procedures:

USE PROPER PERSONAL PROTECTION; CONTAIN FREE MATERIAL IF POSSIBLE; USE SUITABLE INERT ABSORBENT MATERIAL AND RECOVER FOR PROPER DISPOSAL IN AN APPROVED CONTAINER.

Neutralizing Agent:

NOT APPLICABLE.

Waste Disposal Methods:

ADD SODA ASH/SODIUM BICARBONATE, ADD CALCIUM HYPOCHLORITE & WATER. LET STAND 2 HRS, NEUTRALIZE & FLUSH W/PLENTY OF WATER. DISPOSE I/A/W ALL LOCAL, STATE, & FEDERAL REGULATIONS.

Handling And Storage Precautions:

STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:

DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

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