

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-101/10101-39-0.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
10101-39-0
Code:
M

RTECS:
VV9170000
Code:
M

Name:
CAALCIUM SILICATE (CALCIUM METASILICATE)

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:
IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE WITH 29 CFR 1910.13.4 AND MANUFACTURER'S RECOMMENDATIONS.

Ventilation:
USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:
CHEMICAL OIL IMPERVIOUS-NITRILE.

Eye Protection:
CHEMICAL SPLASH GOGGLES. NO CONTACTS.

Other Protective Equipment:
Equipment FULL PROTECTIVE CLOTHING NORMALLY USED IN BRAZING/WELDING OPERATIONS SO AS TO PREVENT ANY CONTACT.

Work Hygienic Practices:
WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health:
N/P

Health Hazards Data

LD50LC50Mixture:

TLV: 26.57 MG/M3

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

ACUTE: INHALATION OF DUST/FUMES MAY CAUSE PNEUMOCONIOSIS. SKIN AND EYE CONTACT MAY CAUSE BURNS; IRRITATION; DERMATITIS. INGESTION MAY CAUSE BURNS TO GI TRACT. CHRONIC: PROLONGED OR REPEATED EXPOSURE MAY CAUSE COUGHING, PNEUMOCONIOSIS, OSSEOUS FLUOROSIS.

Explanation Of Carcinogenicity:

NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Signs And Symptoms Of Overexposure:

INHALED-COUGHING, WHEEZING, SNEEZING, SHORTNESS OF BREATH. SKIN-DERMATITIS, IRRITATION. EYES-IRRITATION, BURNING SENSATION. INGESTED-NAUSEA, VOMITING, DIARRHEA, BURNS TO DIGESTIVE TRACT.

Medical Cond Aggravated By Exposure:

PRE-EXISTING SKIN, PULMONARY, EYE CONDITIONS.

First Aid:

INGESTED-CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. INHALED-REMOVE TO FRESH AIR. IF FUMES, VAPORS, OR DUSTS ARE INHALED, CALL A PHYSICIAN. SKIN-WASH WITH SOAP & WATER. IF RASH DEVELOPS, SEE PHYSICIAN. EYES-FLUSH WITH WATER FOR 15 MINUTES TO REMOVE ALL RESIDUE. PROMPTLY CALL FOR MEDICAL HELP. 4

Spill Release Procedures:

CONTAIN SPILL, ABSORB AND SWEEP UP. REMOVE TO CHEMICAL SEWER. FLUSH AREA TO CHEMICAL SEWER.

Neutralizing Agent:

NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS.

Handling And Storage Precautions:

STORE AT AMBIENT CONDITIONS. KEEP UNDER EXTREMELY DRY AND CONTROLLED CONDITIONS. WASH THOROUGHLY AFTER HANDLING TO REMOVE ALL RESIDUE.

Other Precautions:

REMOVE AND PROFESSIONALLY WASH CONTAMINATED CLOTHING BEFORE RE-USE.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

Flash Point Text:

NOT APPLICABLE

Autoignition Temp:

Autoignition Temp Text:

N/R

Lower Limits:

N/R

Upper Limits:

N/R

Extinguishing Media:

NONE; PRODUCT IS INHERENT RETARDANT. DLA-HMIS: USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:

FUMES OF FLUORIDE AND BORON OXIDE MAY BE GIVEN OFF USE SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:

NONE. 5

Physical/Chemical Properties

HCC:

T6

NRC/State LIC No:

N/R

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:

N/R

Melt/Freeze Pt:

M.P/F.P Text:

UNKNOWN

Decomp Temp:

Decomp Text:

UNKNOWN 6

Vapor Pres:

N/R

Vapor Density:

N/R

Volatile Org Content %:

Spec Gravity:

2.52

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:

UNKNOWN

Evaporation Rate & Reference:

NOT APPLICABLE

Solubility in Water:

MODERATE

Appearance and Odor:

WHITE, GRANULAR POWDER WITH NO CHARACTERISTIC ODOR. STAINLESS STEEL WELDING FLUX

Percent Volatiles by Volume:

N/R

Corrosion Rate:

UNKNOWN

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid:

STRONG ACIDS OR ALKALIS.

Hazardous Decomposition Products:

BORON OXIDE AND FLUORIDE FUMES.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

WILL NOT OCCUR.

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 in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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