

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.htm> 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

ACGIH STEL:

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 1910.134 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. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health:

N/P

Health Hazards Data

LD50/LC50 Mixture:

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, CALL A 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:

NOT APPLICABLE

Autoignition Temp:

NOT APPLICABLE

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 Wt For Ammo:

NOT APPLICABLE

Boiling Point:

NOT APPLICABLE

B.P. Text:

N/R

Melt/Freeze Pt:

UNKNOWN

Decomp Text:

UNKNOWN

Vapor Pres:

N/R

Vapor Density:

N/R

Volatile Org Content %:

NOT APPLICABLE

Spec Gravity:

2.52

VOC Pounds/Gallon:

NOT APPLICABLE

PH:

N/R

VOC Grams/Liter:

NOT APPLICABLE

Viscosity:

UNKNOWN

NOT APPLICABLE**Moderately:**

NOT APPLICABLE

Appearance and Odor:

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

Percent Volatiles by Weight:

N/R

Corrosion Rate:

UNKNOWN

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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:

N/P

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