

MATERIAL SAFETY DATA SHEET for SOLIDUS

Section 1 – Manufacturer Information

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Section 2 – Hazardous Ingredients

Hazardous Ingredients:

Magnesium Silicofluoride CAS #16949-65-8

OSHA PEL:

2.5 mg/m³

ACGIH TLV:

2.5mg/m³

Other
Limits:
(TLV)

Contents (%)

15%

GENERAL INFORMATION: To the best of our knowledge the information contained herein is correct. Lambert Corporation of Florida, Inc. assumes no responsibility for accuracy or completeness. User is responsible for suitability.

FOR INDUSTRIAL USE ONLY.

HMIS Rating: Health - 1 Flammability - 0 Reactivity - 1 Personal Protection - B

Section 3 – Physical/Chemical Characteristics

Boiling Point:

N/A

Specific Gravity (H2) = 1):

1.79

Vapor Pressure (mm Hg.):

N/A

Melting Point:

212°F

Vapor Density (AIR = 1):

N/A

Evaporation Rate (Butyl Acetate = 1):

N/A

Solubility in Water: SOLUBLE

Appearance and Odor: CLEAR LIQUID, ODORLESS

Section 4 – Fire and Explosion Hazard Data

Flash Point (Method Used): NON-FLAMMABLE

Flammable Limits

LEL

UEL

Extinguishing Media: SMALL FIRE: DRY CHEMICAL, CO₂, WATER SPRAY OR FOAM. LARGE FIRE: WATER SPRAY, FOG OR FOAM.

In air % by volume:

N/A

N/A

N/A

Special Fire Fighting Procedures: N/A

Unusual Fire and Explosion Hazards: WILL DECOMPOSE TO TOXIC CORROSIVE GASES IN FIRE. ACID RESPIRATOR OR SCBA AIR PACKS WOULD BE REQUIRED.

Section 5 – Reactivity Data

Stability: Stable Unstable

Conditions to Avoid: CONTACT WITH STRONG ACIDS MAY CAUSE FORMATION OF TOXIC & IRRITATING HYDROGEN FLUORIDE GAS. AVOID HEAT.

Incompatibility (Materials to Avoid): MATERIAL CAN ETCH & CORRODE METALS, GLASS & FERROUS MATERIALS.

Hazardous Decomposition of Byproducts: HYDROFLUORIC ACID, SILICOTETRAFLUORIDE.

Hazardous Polymerization: May Occur Will Not Occur

Conditions to Avoid: N/A

Section 6 – Health Hazard Data*Routes of Entry:*

Eyes: IRRITANT – WEAR SPLASH GOGGLES

Inhalation: MAY IRRITATE THROAT & LUNGS

Skin: LOCAL IRRITATION

Ingestion: **MAY BE FATAL!!!!**

Health Hazards (Acute and Chronic): **ACUTE:** CONTACT MAY BE IRRITATING & CORROSIVE TO SKIN AND EYES. MAY BE **FATAL IF INGESTED IN LARGE QUANTITIES**. DUST MAY BE IRRITATING TO RESPIRATORY TRACT.

Carcinogenicity: NOT LISTED

NTP: N/A

IARC Monographs: N/A

OSHA Regulated: ACUTE ORAL TOXICITY

Signs and Symptoms of Exposure: **EYES:** MAY BURN & IRRITATE EYES. **SKIN:** OPEN WOUNDS MAY BURN & TURN RED. **INGESTION:** ABDOMINAL PAIN, DIARRHEA, THIRST, and CONVULSIONS. **INHALATION:** SHORTNESS OF BREATH.

Medical Conditions Generally Aggravated by Exposure: ANY PRE-EXISTING RESPIRATORY DISEASE INCLUDING ASTHMA AND EMPHYSEMA. ANY OPEN WOUNDS OR SORES ALSO WILL BE AGGRAVATED BY CONTACT.

Emergency First Aid Procedures: **EYES:** FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. **SKIN:** PROMPTLY WASH WITH SOAP AND WATER. IF CLOTHING IS SOAKED, REMOVE CLOTHING. **INHALATION:** REMOVE TO FRESH AIR. **INGESTION:** IF UNCONSCIOUS, GIVE LARGE QUANTITIES OF WATER AND INDUCE VOMITING. GET MEDICAL HELP. IF ANY IRRITATION PERSISTS CONTACT A PHYSICIAN IMMEDIATELY.

Section 7 – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: KEEP UNNECESSARY PEOPLE AWAY. AVOID PROLONGED CONTACT WITH SKIN. WEAR PROTECTIVE CLOTHING AS NEEDED. FLUSH WITH LARGE QUANTITIES OF WATER. RESIDUE MAY BE NEUTRALIZED WITH LIME. DILUTE WITH EXCESS WATER.

Waste Disposal Method: COMPLY WITH ALL FEDERAL, STATE & LOCAL ENVIRONMENTAL REGULATIONS CONCERNING DISPOSAL.

Precautions to be Taken in Handling and Storage: STORE IN ORIGINAL CONTAINER. STORAGE OVER A LONG PERIOD OF TIME MAY CAUSE CONTAINER TO EXPAND, OPEN CONTAINER TO RELEASE TRAPPED AIR.

Other Precautions: MATERIAL MAY ETCH AND CORRODE METAL AND GLASS. KEEP AWAY FROM CONTACT WITH THESE MATERIALS.

Section 8 – Control Measures

Respiratory Protection (Type): IF MISTY CONDITIONS, USE A NIOSH/MSHA APPROVED RESPIRATOR.

Ventilation:

Local Exhaust: RECOMMENDED

Mechanical (General): N/A

Special: FRESH AIR IN VICINITY

Other: N/A

Protective Gloves: IMPERVIOUS GLOVES & CLOTHING

Eye Protection: FACE SHIELD OR SAFETY GOGGLES

Other Protective Clothing or Equipment: SAFETY SHOWER AND EYE BATH IN THE VICINITY OF USE

Work/Hygienic Practices: PRACTICE GOOD HOUSEKEEPING. USE GOOD PERSONAL HYGIENE. CHANGE CLOTHES DAILY.