

## Material Safety Data Sheet

Revised 12/98

Reviewed 4/01

### Section I

Manufacturer's Name  
Coatings For Industry, Inc.

Emergency Response #  
1-800-535-5053

Address  
319 Township Line Road  
Souderton, PA 18964

Non-Emergency #  
215-723-0919

Chemical Name & Synonyms  
Alkali Metal Silicate/Molybdenum  
Disulfide Compound

Product and/or Trade Name  
  
Aalseal 380

Chemical Family  
Alkali Metal Silicate/  
Molybdenum Disulfide Compound

Type, Grade and/or Class  
Water Base Inorganic Coating

### Section II - Composition

	%	TLV	CAS #
Alkali Metal Silicate	8.0	PEL (OSHA) Particulates (Not Otherwise Regulated) 15 mg/m <sup>3</sup> , 8 hr. TWA, total dust 5 mg/m <sup>3</sup> , 8 hr. TWA, respirable dust	1312-76-1
Molybdenum Disulfide	28.5	30 mpc for 10 milligrams per carabil meter	1317-33-5

### Section III - Physical Properties

Boiling Point ~~~~~212° F.  
Specific Gravity (H<sub>2</sub>O = 1) ~~~~~ 1.2  
Evaporation Rate ~~~~~ Not Applicable  
Decomposition Rate ~~~~~ Not Applicable  
Vapor Density (Air = 1) ~~~~~ Not Applicable  
Freezing Point ~~~~~ 32° F.  
Critical Temperature ~~~~~ Not Applicable

**Section III - Physical Properties (cont.)**

Vapor Pressure (mm hg.) ~~~~~	Not Applicable
% Volatile by Weight ~~~~~	60 %
pH ~~~~~	12
Magnetism (milligauss) ~~~~~	Not Applicable
Solubility in Water ~~~~~	Appreciable
Autoignition Temperature ~~~~~	Not Applicable
Critical Pressure ~~~~~	Not Applicable
Corrosion Rate ~~~~~	Not Applicable

**Section IV - Fire and Explosion Hazard Data**

Flash Point ~~~~~	None
Flammable Limits ~~~~~ LEL ~~~~~	Not Applicable
UEL ~~~~~	Not Applicable

Extinguishing Media - Use sand or carbon dioxide (CO<sub>2</sub>).

Special Fire Fighting Procedures - Wear protective clothing and NIOSH/OSHA approved positive pressure self contained breathing apparatus in fire conditions.

Unusual Fire and Explosion Hazards - Avoid contact with alkalis, strong reducing or oxidizing agents.

**Section V - Health Hazard Data**

**Potential Health Effects** - May cause skin and eye irritation.

**Human Health Effects** - Human health effects of overexposure by inhalation, ingestion, or skin or eye contact may initially include : eye irritation with discomfort, tearing, or blurring of vision; skin irritation with discomfort or rash. Inhalation of dried-down material may cause irritation of the upper respiratory system.

**Carcinogenicity Information** - None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

**FIRST AID MEASURES -****Skin Contact -**

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. Wash clothing before reuse.

**Eye Contact -**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

**FIRST AID MEASURES (cont.)**

**Ingestion -**

If swallowed, do not induce vomiting. Give large quantities of water. Call a physician. Never give anything by mouth to an unconscious person.

**Inhalation -**

If the product is allowed to dry and large amounts of dust are inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**Section VI - Reactivity Data**

Stability ~~~~~ Stable  
Conditions to Avoid (stability) ~~~~~ Acids or strong alkali  
Incompatibility (materials to avoid) ~~~~~ Acids or strong alkali  
Hazardous Decomposition Products ~~~~~ None  
Hazardous Polymerization ~~~~~ Will not occur  
Conditions to Avoid (polymerization) ~~~~~ Not Applicable

**Section VII - Spill or Leak Procedures**

Steps to be Taken in Case Material is Released or Spilled -  
Use absorbing material to soak up.  
Waste Handling and Disposal Method -  
Filter to remove graphite and discard this as solid chemical waste in accordance with federal, state and local environmental control regulations.

**Section VIII - Occupational Protective Measures**

Respiratory Protection - Cartridge type mask such as Devilbiss model #MSP-508 or equal.  
Ventilation - Local exhaust if spray applying.  
Protective Gloves - Rubber-liquid proof.  
Eye Protection - Chemical safety goggles.

**Section IX - Special Precautions**

Handling and Storage Precautions - Keep from strong alkali or acid as reaction with aluminum may produce hydrogen gas.  
Other Precautions - Keep from freezing.

**Section X - Transportation**

Applicable Regulations ~~~~~ Not Regulated  
Shipping Name ~~~~~ Class 55, Paint  
I.D. Number ~~~~~ N/A  
Report Qty. ~~~~~ N/A

**Section X - Transportation (cont.)**

Hazard Class ~~~~~ Non-hazardous  
Labels Required ~~~~~ None  
Unit Container ~~~~~ One Gallon Unit  
D.O.T. SPSC Container ~~~~~ N/A  
D.O.T. Exempt/DOD CCN ~~~~~ N/A  
Limited Qty. ~~~~~ N/A  
Aerosol Propellants ~~~~~ None

\*\*\*\* This product contains no known or suspect carcinogens.\*\*\*\*

**NOTICE :** This information is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Coatings For Industry, Inc. assumes no responsibility for personal injury or property damage to vendees, users, or third parties caused by the material, such vendees or users assume all risks associated with the use of the material. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws.

Rev. 8-97