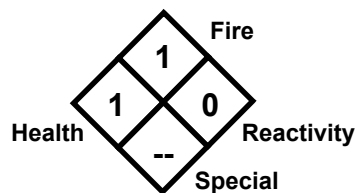


MATERIAL SAFETY DATA SHEET



NFPA 704 DESIGNATION HAZARD RATING

4 = Extreme 3 = High 2 = Moderate
1 = Slight 0 = Insignificant

Issue Date: 1/05

Supersedes: 5/04

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTITY:	METAL ETCH PRIMER™	
PRODUCT USE:	CORROSION RESISTANCE METAL PRIMER	
MANUFACTURED BY:	Sealoflex® Inc. 2520 Oscar Johnson Drive Charleston, SC 29405 PHONE: 843 554-6466 FAX: 843 554-6458	CHEMTREC 1-800-424-9300

2. COMPOSITION & INFORMATION ON INGREDIENTS

Component	% weight	CAS #	SARA Title III Section 313	RCRA	CARCINOGENICITY (As per 29CFR 1910.1200)	State Right-To-Know		
						PA	NJ	MA
Acrylic Polymer	16.0 – 20.0	Proprietary	Not Listed	No	No	No	No	No
Pigments, Fillers & Extenders	26.0 – 30.0	N.A.	Not Listed	No	No	No	No	No
Barium Compound	2.0 – 3.0	Proprietary	Listed	No	No	Yes	Yes	Yes
Glycol Ether	1.0 – 1.5	111-77-3	Listed	No	No	Yes	Yes	Yes
Water	48.0 – 51.0	7732-18-5	Not Listed	No	No	No	No	No
Additives	<1.0	N.A.	Not Listed	No	No	No	No	No

All components are listed in the TSCA inventory.

3. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Red Viscous Liquid	Bulk Density	No Data
Odor	Mild Acrylic/Ammonia	Vapor Pressure	No Data
Odor Threshold	Not Applicable	Vapor Density	Heavier than Air
Molecular Formula	No Data	Evaporation Rate (n-Butyl Acetate=1)	<1
Molecular Weight	No Data	VOC content	3.0 – 4.0%
Boiling Point	~100°C (~212°F)	% Volatiles	46 - 50
Freezing Point	~0°C (~32°F)	Solubility in Water	Miscible
Specific Gravity	1.27 - 1.29	Viscosity (cps)	2,000 – 5,000
Density (lbs/gal)	10.6 – 10.9	pH	9.0 - 9.5

4. STABILITY & REACTIVITY

GENERAL:	This product is stable under normal conditions
CONDITIONS TO AVOID:	Avoid contamination with acidic materials.
INCOMPATIBLE MATERIAL:	Acidic materials, anhydrides and strong oxidizers.
HAZARDOUS POLYMERIZATION:	Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon.

5. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: **Eye irritant. If irritation persists, seek medical attention.**

SKIN CONTACT: **Repeated or prolonged exposure may induce skin irritation.**

INGESTION: **Ingestion will cause moderate to severe irritation or chemical burns to the gastrointestinal tract. Injury may be severe and cause death. Acute oral toxicity is LD₅₀ 3038 mg/Kg.**

INHALATION: **Exposure to high concentrations of vapor or mists may cause moderate to severe irritation of respiratory tract.**

6. FIRST AID MEASURES

EYE CONTACT: **Immediately flush eyes with plenty of clean running water for at least 15 minutes. Seek immediate medical attention. Continue flushing eyes until medical attention arrives.**

SKIN CONTACT: **Immediately flush skin with plenty of clean running water while removing contaminated clothing. Continue for at least 15 minutes. Seek medical attention.**

INHALATION: **Immediately move to fresh air. Seek immediate medical attention if ill effects occur.**

INGESTION: **DO NOT induce vomiting. Seek immediate medical attention. Give one or two glasses of water to drink and refer to medical personnel or take direction from a physician or poison control center. Never give anything by mouth to an unconscious person.**

7. FIRE FIGHTING MEASURES

GENERAL: **This material is not flammable. Increased temperature may increase pressure in closed container resulting in rupture, spreading fire and increasing risk of injury.**

FLASHPOINT AND METHOD:	>200°F (PMCC)	
FLAMMABLE LIMITS:	Lower: No Data	Upper: No Data
AUTOIGNITION TEMPERATURE:	No Data	
HAZARDOUS COMBUSTION PRODUCTS:	Oxides of carbon and nitrogen.	
EXTINGUISHING MEDIA:	Foam, CO₂, dry powder, water spray.	
FIRE FIGHTING INSTRUCTIONS:	Wear self-contained breathing apparatus with full facepiece and protective clothing.	
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None known.	

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL MEASURES: **No ACGIH TLV or OSHA PEL assigned to this product. Minimize exposure in accordance with good hygiene practice.**

RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATOR: **If needed, use NIOSH approved respirator for organic vapors mists or fumes.**

EYES: **Chemical splash goggles and full face shield.**

GLOVES: **Rubber or Neoprene.**

CLOTHING: **Rubber or neoprene apron.**

FOOTWEAR: **Impervious boots.**

OTHER: **Eye wash station and safety shower should be available in the work area.**

9. HANDLING AND STORAGE

STORAGE TEMPERATURE: 40 - 90°F (4 - 32°C)

STORAGE PRESSURE: Ambient

STORAGE: **Keep container tightly closed. Store in a cool well ventilated area away from heat, sources of ignition, direct sunlight and acidic materials, anhydrides and oxidizing agents.**

HANDLING: **Open in a well ventilated area. Avoid breathing vapors. Prevent skin and eye contact. Empty containers should be thoroughly rinsed with water and disposed of according to local regulations.**

10. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: **Eliminate all ignition sources (flares, flames, pilot lights, electrical sparks). Wearing recommended protective clothing, dike spill using soil, sand or compatible commercial absorbent. Pick up bulk of product using pumps or vacuum truck or absorb product in sand or commercial absorbent. Place in chemical waste containers for recovery or disposal.**

LARGE SPILL: **Eliminate all ignition sources. Persons not wearing protective equipment should be excluded from the spill area until clean up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If run-off occurs, notify authorities as required. Pump or vacuum-transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent soil and other material to containers for disposal. Ensure that all local, State and Federal regulations are complied with for release reporting, recovery and disposal of material and containers.**

11. DISPOSAL CONSIDERATIONSRCRA 40 CFR 261 CLASSIFICATION: **Not Classified**U.S. EPA WASTE NUMBER/DESCRIPTION: **None**

DISPOSAL METHOD: **Incinerate in an approved facility. Do not incinerate closed containers. Dilute with clean, low viscosity fuel. Untreated material should not be released to the environment.**

CONTAINER DISPOSAL: **Empty container retains potentially hazardous residue. Observe all hazard precautions. Remove all product residue from container and puncture or otherwise destroy empty container before disposal.**

12. TRANSPORTATION INFORMATION

DOT INFORMATION – 49 CFR 172.101

DESCRIPTION: **Not regulated as a hazardous material.**CONTAINER MODE: **One-gallon and five-gallon plastic pails**NOS COMPONENT: **N.A.**