

MATERIAL SAFETY DATA SHEET

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SECTION 1 PRODUCT IDENTIFICATION

Product Name: **PRIMER 1085**
General Name: Silicone Primer

SECTION 2 COMPOSITION INFORMATION

<u>Components & CAS. No.</u>	<u>Weight %</u>	<u>Exposure Limits</u>
Ethanol 64-17-5	70-80	OSHA PEL TWA: 1000 ppm ACGIH TLV TWA: 1000 ppm
Methanol 67-56-1	10-20	OSHA PEL TWA: 200 ppm; ACGIH TLV TWA: 200 ppm, STEL: 250, (Skin)
Organosilane (proprietary)	<10	Not Established.

SECTION 3 HAZARDS IDENTIFICATION

Emergency Overview: Colorless liquid with a solvent odor. Flammable liquid. Keep away from heat, sparks and other sources of ignition. Contact may cause moderate eye and skin irritation; may be absorbed via skin. Harmful if inhaled or ingested. Chronic health effects. Refer to other sections of the MSDS for more detail.

HMIS Rating: Health: 2 Flammability: 3 Reactivity: 0

Routes of Entry: Inhalation, skin and eye contact.

Acute Effects

Eye: Contact may cause moderate eye irritation.

Skin: Prolonged or repeated skin contact may cause defatting or drying of the skin which may lead to irritation and /or dermatitis (rash). May be absorbed through the skin (See Section 2).

Inhalation: Inhalation of high concentrations of solvents may cause respiratory irritation and central nervous system effects progressing from headache, dizziness, staggering gait and confusion to unconsciousness, coma, and death. The severity of these effects will be dependent on the vapor concentration and length of exposure.

Ingestion: Harmful if swallowed.

PRIMER 1085

Chronic Effects: Repeated ingestion of ethanol may cause kidney or liver damage, and in pregnant women has been shown to cause birth defects (fetal alcohol syndrome).

Ingestion of methanol may cause permanent eye damage or blindness.

Special Condition Effects: Not Applicable.

Aggravated Medical Conditions: No information is available for this product mixture.

SECTION 4 FIRST AID MEASURES

Handle in accordance with good industrial hygiene and safety practices by avoiding unnecessary exposure and by removing material from the eyes, skin and clothing.

Eye: Immediately and thoroughly flush the eyes with large amounts of water occasionally lifting the upper and lower eyelids. Get medical attention if irritation persists.

Skin: Remove contaminated clothing. Thoroughly wash skin with soap and water for at least 15 minutes. Get immediate medical attention if irritation persists or if symptoms of exposure develop (see SECTION 3 –HAZARDS IDENTIFICATION).

Inhalation: Remove to fresh air. Get immediate medical attention if irritation persists, if breathing becomes difficult or if symptoms (as described in SECTION 3) develop.

Ingestion: Get immediate medical attention. DO NOT induce vomiting, potential aspiration hazard. Never give anything by mouth to an unconscious, drowsy, or convulsing person.

SECTION 5 FIRE FIGHTING MEASURES

Flash Point: 57°F Setaflash CC
Autoignition Temp: Not established.
Flammability Limits: lel: 4.3 uel: 36.5% vol. in air

Extinguishing Media: Carbon dioxide, water, water foam, dry chemical.

Fire Fighting Procedures: Use self-contained breathing apparatus and protective clothing. If large quantities of material are involved, evacuate area and fight fire from a safe distance.

Unusual Fire Hazards: Decomposition and combustion products may be toxic. Flammable liquid can form flammable/explosive mixture in air at or above the flash point temperature. This product contains solvent with vapors that are heavier than air and can travel along the ground to an ignition source, resulting in a flash back to the source of the vapors.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Spill response operations must be conducted in accordance with the provisions of 29 CFR 1910.120. Observe all recommendations identified in Sections 5 and 8.

Procedures: Release can create fire/explosion hazard. Determine whether to evacuate personnel or isolate the spill area. Limit access to spill area. Eliminate all sources of ignition. Ventilate the area using explosion-proof equipment. Use only tools approved for use in flammable environments. Prevent the release from entering sewers or waterways. Collect material for reuse or salvage. Cover remaining spilled material with inert substance to absorb residue. Transfer liquid and absorbed materials to appropriate containers. Observe all applicable local, state and federal waste management regulations.

SECTION 7 HANDLING AND STORAGE

Handling: Prevent contact with eyes. Do not allow skin contact. Skin absorption presents a significant route of exposure. Avoid exposure by inhalation. Wash thoroughly after handling and before eating, drinking or smoking. Use with adequate ventilation.

Control static electricity accumulation and discharge by effectively grounding and bonding containers when transferring liquids, and during storage and use. The use of explosion-proof equipment is recommended and may be required.

Storage: Store in a cool, dry location with adequate ventilation. Store in tightly closed container. Keep away from heat, sparks, flames and other ignition sources. Prevent contact and storage with incompatible materials.

Because empty containers may retain product residue and flammable vapors, keep away from heat, spark, or other sources of ignition. Do not cut, weld, drill, grind on or near empty containers. Do not smoke where this product is used or stored.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

The recommendations described in this section are provided as general guidance for minimizing exposure. Because usage conditions vary with customer applications, specific exposure controls should be developed by a person knowledgeable in the intended usage condition and equipment.

Ventilation: Provide local exhaust ventilation to capture vapors or mist generated by the process. Use explosion-proof exhaust ventilation equipment unless a process and equipment evaluation indicates this action is not required. Ventilation must be sufficient to maintain airborne levels of Section 2 ingredients below their exposure limits.

PRIMER 1085

- Eyes: Wear safety eye wear including safety glasses with side shields and chemical goggles.
- Skin: Wear protective gloves and, if appropriate, chemical resistant clothing to prevent skin contact and possible skin absorption. Wash thoroughly after handling and before eating, drinking or smoking. Remove contaminated clothing or shoes as soon as practical and thoroughly clean before reuse.
- Inhalation: Use NIOSH/MSHA approved respiratory protection if adequate exhaust ventilation is not provided or air sampling indicates exposure limits are exceeded. The type of respirator selected will depend on the conditions of use. Respiratory protection programs must comply with 29 CFR 1910.134.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

- Physical Form: Colorless liquid.
Specific Gravity: 0.82
Boiling Point: 148-212°F
Vapor Pressure (25°C): Not established.
Vapor Density: Heavier than air.
Solubility in Water: Insoluble.
Volatile Content (Wt%): 90 approx.

SECTION 10 STABILITY AND REACTIVITY

- Chemical Stability: Stable.
- Hazardous Polymerization: Will not occur.
- Condition to Avoid: Avoid storage in open containers, exposure to heat/sparks/open flame and exposure to incompatible materials.
- Incompatibilities: Strong oxidizers, acids and bases.
- Hazardous Decomposition: Thermal or chemical decomposition may produce carbon monoxide and carbon dioxide.

SECTION 11 TOXICOLOGY INFORMATION

All available toxicology information has been provided in Section 3 of this document.

SECTION 12 ECOLOGICAL INFORMATION

No data on ecological effects is available.

PRIMER 1085

SECTION 13 DISPOSAL INFORMATION

Since regulations vary, consult applicable regulations or authorities before disposing of this material.

SECTION 14 TRANSPORTATION INFORMATION

Proper Shipping Name: Resin Solution
Class: 3
UN Number: UN1866
Packing Group: II

SECTION 15 REGULATORY AND MISCELLANEOUS INFORMATION

TSCA: All components of this product are listed on the TSCA inventory.

SARA 313 Chemicals: Methanol 67-56-1

Date Prepared: 7-26-07
Document Number: 1085
Supersedes: 4-7-98
Prepared By: Chomerics Safety Department

Revision Information: Text consistency changes made.
General review; HMIS rating added

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