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## MATERIAL SAFETY DATA SHEET

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### SECTION 1. CHEMICAL IDENTIFICATION -----

CHEMICAL NAME: Organic Solvent Solution  
TRADE NAME: MCC Primer 80/20  
PRODUCT #: P021020

### SECTION 2. COMPOSITION-----

HAZARDOUS  
INGREDIENTS: 1-Methoxy-2-propanol acetate (CAS: 108-65-6), 75-85%  
Synonym: propylene glycol monomethyl ether acetate  
1,1,1,3,3,3-hexamethyldisilazane (CAS: 999-97-3), 15-25%  
Synonym : HMDS

### SECTION 3. HAZARD DATA-----

INFLAMMABILITY: Flammable and Corrosive liquid.  
SKIN CONTACT: Causes severe irritation.  
EYE CONTACT: Causes severe irritation  
INGESTION: May cause headache, nausea, vomiting, and abdominal pains.  
INHALATION: May cause anesthesia, headaches.  
MUTAGENICITY: No data available.  
CARCINOGENICITY: Not listed in NTP, IARC, or OSHA as a carcinogen.  
TARGET ORGANS: Eyes, Skin, Respiratory System

### SECTION 4. FIRST AID MEASURES-----

INHALATION: If overcome by exposure, remove victim to fresh air immediately.  
Give oxygen or artificial respiration as needed. Obtain emergency  
medical attention. Prompt action is essential.  
INGESTION: If large quantity swallowed, give lukewarm water if victim  
completely conscious/alert. Do not induce vomiting. Risk of damage  
to lungs exceeds poisoning risk. Obtain emergency medical  
attention.  
SKIN CONTACT: Remove contaminated clothing as needed. Wash thoroughly with  
soap and water. Flush with lukewarm water for 15 minutes. Seek  
medical attention.  
EYE CONTACT: Immediately flush the eyes with large amounts of clean low-pressure  
water for at least 15 minutes, occasionally lifting the upper and  
lower lids. Seek medical attention immediately.

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**SECTION 5. FIRE FIGHTING MEASURES**

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**EXTINGUISHING**

MEDIA: Dry chemical, carbon dioxide, or alcohol-resistant foam.

**SPECIAL FIRE FIGHTING  
PRECAUTIONS:**

Do not enter fire area without proper protection. Wear positive pressure self-contained breathing apparatus (SCBA). Fight fire from a safe distance/protected location.

**UNUSUAL FIRE OR  
EXPLOSION HAZARDS:**

Heat may build enough pressure to rupture closed containers. Use water spray/fog for cooling. Under fire conditions may emit toxic and corrosive nitrogen oxide vapors and other toxic fumes.

**SECTION 6. ACCIDENTAL RELEASE PROCEDURES**

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**EVACUATION**

PROCEDURES & SAFETY: Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

**CLEANUP & DISPOSAL  
OF SPILL:**

Absorb with an inert absorbent. Sweep up and place in an appropriate closed container (see Section 7). Clean up residual material by washing area with water. Collect washings for disposal.

**ENVIRONMENTAL &**

REGULATORY REPORTING: Do not flush to drain. If required proper authorities should be notified.

**SECTION 7. STORAGE AND HANDLING PRECAUTIONS**

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**STORAGE:**

Store in tightly closed, properly vented containers away from heat, sparks, open flame and strong oxidizing agents. Storage under nitrogen is recommended to minimize possible formation of highly reactive peroxides.

**HANDLING:**

Keep away from heat, sparks, open flames and strong oxidizing agents.  
Avoid breathing vapors.  
Use with adequate ventilation.  
Avoid contact with skin, eyes, and clothing. Have available safety shower and eyewash.  
Wear recommended personal protective equipment.  
Wash with soap and water after handling.

**SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

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**RESPIRATORY  
PROTECTION:**

No occupational exposure limits have been developed for this material. Where exposure through inhalation may occur from

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use, approved respiratory protection equipment is recommended.

VENTILATION: General mechanical ventilation or local exhaust is sufficient under normal conditions.

SKIN PROTECTION: Impervious butyl gloves are recommended.

EYE PROTECTION: Chemical splash goggles and/or face shields are recommended.

**SECTION 9. PHYSICAL AND CHEMICAL DATA-----**

APPEARANCE: Clear, colorless liquid

ODOR: Characteristic Ammonia-like

BOILING POINT: 134 °C (273 °F), @ 760mm Hg

SPECIFIC GRAVITY: 0.95 @ 25 °C (77 °F)

VAPOR PRESSURE: 3.8 mm Hg @ 25 °C (77 °F)

H<sub>2</sub>O SOLUBILITY: Appreciable (10% or more)

% VOLATILES: 100% by wt

EVAPORATION RATE: 0.3 (BuAc = 1)

FLASH POINT: 18 °C (64 °F) TCC

AUTOIGNITION TEMP: 380 °C (716 °F)

EXPLOSION LIMITS: 1.5% lower (vol%)  
10% upper (vol%)

**SECTION 10. REACTIVITY DATA -----**

STABILITY: Stable

CONDITIONS TO AVOID: Oxidizing Agents, strong acids, alkaline materials, water. Alcohol. May react quickly with alcohols and water under some conditions with release of moderate amounts of heat.

INCOMPATIBILITY: Oxidizing Agents, strong acids, alkaline materials, moisture and humidity, alcohol

HAZARDOUS POLYMERIZATION: Not expected to occur

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Carbon Monoxide and other toxic vapors

**SECTION 11. TOXICITY HAZARDS-----**

PRODUCT SUMMARY:  
As 1-Methoxy-2-propanol acetate  
To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

ORAL: LD50 (rat): 8532 mg/kg

SKIN: LD50 (rabbit) >5000 mg/kg

Repeated dose toxicity – On repeated, prolonged exposure may be a nasal irritant.

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As 1,1,1,3,3,3-hexamethyldisilazane

ORAL:	LD50 (rat):	813 mg/kg
SKIN:	LD50 (rabbit):	1350 mg/kg
INHALE:	LC50 (rat):	10mg/ l /4 h

## SECTION 12. ECOLOGICAL DATA

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### ECOTOXICITY:

As 1,1,1,3,3,3-hexamethyldisilazane:

Toxicity to Fish	LC50 Brachydanio rerio:	88mg/l / 96 h
	LC0 Brachydanio rerio:	56mg/l / 96 h
Toxicity to Daphnia	EC50 Daphnia magna:	80mg/l / 48 h
Toxicity to algae	EC50 scenedesmus subspicatus:	19mg/l / 72 h
	NOEC scenedesmus subspicatus:	2.7mg/l / 72 h

The data we have at our disposal do not necessitate identification concerning environmental hazard.

ENVIRONMENTAL FATE:	The material may enter soil and may contaminate water.
BIODEGRADATION:	Data for a closely related material suggest it will be inherently biodegradable.

## SECTION 13. DISPOSAL CONSIDERATIONS

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Comply with applicable local, state or international regulations regarding the proper disposal of this material and/or containers.

## SECTION 14. TRANSPORTATION INFORMATION

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HAZARD CLASSIFICATION:	Flammable, Corrosive Liquid
SHIPPING NAME:	Flammable Liquids, Corrosive, N.O.S.
UN NUMBER:	UN 2924
PACKING GROUP	II

## SECTION 15. REGULATORY INFORMATION

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### EUROPEAN INFORMATION

#### EINECS LISTED

EC Nos: 1-Methoxy-2-propanol acetate 203-603-9; 1,1,1,3,3,3-hexamethyldisilazane 213-668-5

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## RISK & SAFETY PHRASES

R10 Flammable  
S24 Avoid contact with skin

## INDICATIONS OF DANGER

None

## US AND INTERNATIONAL INFORMATION

HAZARDOUS LISTINGS: All ingredients appear on the TSCA Inventory of Chemical Substances, EINECS, the Japan Hazardous Chemical Listing and the Canadian DSL.

SARA Title III: This product IS NOT subject to SARA Title III, Section 313 Reporting Requirements.

Calif. SCAQMD Rule 443.1 VOC's: 960 g/l; vapor pressure 3.8 mm Hg @ 25° C

## SECTION 16. ADDITIONAL PRECAUTIONS AND COMMENTS-----

National Fire Protection Association Hazard Ratings – NFPA:

- 3 Health Hazard Rating
- 3 Flammability Rating
- 1 Reactivity Rating

To the best of our knowledge, the above information is believed to be accurate but does not claim to be all-inclusive and is intended to be used only as a guide. The supplier makes no warranty of any kind, expressed or implied, concerning the use of this product and shall not be held liable for any damage resulting from handling or from contact with the above product. User assumes all risks incident to its use.

MSDS Revision information:

New