MICRO • CHEM

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MATERIAL SAFETY DATA SHEET

October 11, 2005

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----------

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 ----------

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----------

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----------

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

	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 ºC (273 ºF), @ 760mm Hg
SPECIFIC GRAVITY:	0.95 @ 25 ºC (77 ºF)
VAPOR PRESSURE:	3.8 mm Hg @ 25 ºC (77 ºF)
H_2O SOLUBILITY:	Appreciable (10% or more)
% VOLATILES:	100% by wt
EVAPORATION RATE:	0.3 (BuAc = 1)
FLASH POINT:	18 ºC (64 ºF) TCC
AUTOIGNITION TEMP:	380 ºC (716 ºF)
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----------

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 Daphina 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----------

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

SECTION 14. TRANSPORTATION INFORMATION----------

HAZARD CLASSIFICATION:	Flammable, Corrosive Liquid
SHIPPING NAME:	Flammable Liquids, Corrosive, N.O.S. (propylene glycol monomethyl ether acetate, hexamethyldisilazane)
UN NUMBER:	UN 2924
PACKING GROUP	II

SECTION 15. REGULATORY INFORMATION----------

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 @ 25º 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:

Section 14: Added chemical names after proper Shipping Name.