

## SS4179 01P-Bottle (1.0 Lbs-0.454 Kg) Primer solution

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Manufactured By:** Waterford Plant  
260 Hudson River Rd  
Waterford NY 12188

**Revised:** 05/22/2008  
**Preparer:** PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS  
**CHEMTREC** 1-800-424-9300

**Chemical Family/Use:** Primer  
**Formula:**

#### HMIS

Flammability: 3      Reactivity: 1      Health: 3

#### NFPA

Flammability: 3      Reactivity: 1      Health: 3

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

WARNING! Flammable liquid and vapor. Irritating to eyes, respiratory system and skin. Harmful by inhalation, in contact with skin and if swallowed. May cause allergic skin reaction. May harm vision. May cause adverse liver, kidney, and CNS effects. May generate formaldehyde at temperatures greater than 150 C (300 F). See Section 10 of MSDS for details.

Form: Liquid      Color: Clear      Odor: Ester

#### POTENTIAL HEALTH EFFECTS

##### INGESTION

Harmful if swallowed. May be fatal or cause blindness if swallowed. Causes vomiting, nausea, and diarrhea. Coma, shock and death may occur. Irritation of the mouth, throat, and stomach. Large intake can result in narcosis.

##### SKIN

Causes skin irritation. May cause allergic skin reaction. Vapor and/or liquid causes irritation. Causes drying of the skin. May cause a rash and itching of the skin. May be absorbed through the skin and contribute to the symptoms listed under "Ingestion".

##### INHALATION

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Harmful if inhaled. Causes moderate respiratory irritation. Causes irritation of the mouth, nose, and throat. Can cause unconsciousness if inhaled. Causes depression and fatigue. May cause systematic poisoning.

##### EYES

Severe eye irritation High vapor concentration will cause irritation. May harm vision. Vapor and/or liquid causes irritation. May cause mild eye irritation. May cause severe eye irritation.

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**Primer solution**

**MEDICAL CONDITIONS AGGRAVATED**

Respiratory disorder Pulmonary disorders. Central nervous system disorders. Gastrointestinal disorders. Blood disorders. Eye disorders. Pre-existing liver or kidney disorders. Skin disorders.

**SUBCHRONIC (TARGET ORGAN )**

Respiratory disorder; Dermatitis; Blood disorders.; Central nervous system damage.; Optic nerve damage.; Liver and kidney damage.; Corneal damage.; Pulmonary edema.; Cumulative systemic toxicity.; Eye damage.; Anemia; Permanent brain damage.

**CHRONIC EFFECTS / CARCINOGENICITY**

This product or one of its ingredients present at 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

**ROUTES OF EXPOSURE**

Inhalation; Dermal; Eyes; Oral.; Absorption through skin.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>PRODUCT COMPOSITION</u>	<u>CAS REG NO.</u>	<u>WGT. %</u>
<b><u>A. HAZARDOUS</u></b>		
ETHYL ACETATE	141-78-6	60 - 90 %
Methyl Methacrylate	80-62-6	5 - 10 %
Methanol	67-56-1	1 - 5 %
gamma-Methacryloxypropyltrimethoxysilane	2530-85-0	1 - 5 %

**B. NON-HAZARDOUS**

**4. FIRST AID MEASURES**

**INGESTION**

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

**SKIN**

In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention.

**INHALATION**

If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If breathing is difficult give oxygen. Get medical attention.

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**EYES**

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

**NOTE TO PHYSICIAN**

None known.

**5. FIRE-FIGHTING MEASURES**

**FLASH POINT:** -2.80 °C; 27 °F  
**METHOD:** Tag closed cup  
**IGNITION TEMPERATURE:** 385.00 °C; 725 °F  
**FLAMMABLE LIMITS IN AIR - LOWER (%):** 2.00 %(V).  
**FLAMMABLE LIMITS IN AIR - UPPER (%):** 11.00 %(V).

**SENSITIVITY TO MECHANICAL IMPACT:** No

**SENSITIVITY TO STATIC DISCHARGE**

Sensitivity to static discharge is expected; material has a flash point below 200 F.

**EXTINGUISHING MEDIA**

Foam, Carbon dioxide (CO<sub>2</sub>), Dry chemical, Alcohol foam

**SPECIAL FIRE FIGHTING PROCEDURES**

Wear suitable protective equipment., Flammable, Positive-pressure self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED**

Remove all sources of ignition. Wipe, scrape or soak up in an inert material and put in a container for disposal. Wear proper protective equipment as specified in the protective equipment section. Warn other workers of spill. Increase area ventilation. Person not trained should evacuate area.

**7. HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Use only in well-ventilated areas. Avoid contact with skin and eyes. Keep away from children. Keep container tightly closed. Do not inhale vapors. Use ground strap and appropriate precautions for dispensing flammable liquids. Store away from heat, sources of ignition, and incompatibles. This product is sensitive to static discharge and other ignition sources. Handle with care.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### ENGINEERING CONTROLS

Use only in well-ventilated areas.; Eyewash stations; Showers; Exhaust ventilation

#### RESPIRATORY PROTECTION

Use only in well-ventilated areas. Use approved NIOSH respiratory protection if TLV exceeded or overexposure is likely.

#### PROTECTIVE GLOVES

Rubber or plastics gloves

#### EYE AND FACE PROTECTION

Face-shield; Safety glasses; Monogoggles.

#### OTHER PROTECTIVE EQUIPMENT

Rubber apron; Wear suitable protective clothing and eye/face protection.

#### Exposure Guidelines

<u>Component</u>	<u>CAS RN</u>	<u>Source</u>	<u>Value</u>
ETHYL ACETATE	141-78-6	ACGIH, TWA	400 ppm
ETHYL ACETATE	141-78-6	OSHA Z1, PEL	400 ppm; 1,400 mg/m3
Methyl Methacrylate	80-62-6	ACGIH, TWA	50 ppm
Methyl Methacrylate	80-62-6	ACGIH, STEL	100 ppm
Methyl Methacrylate	80-62-6	OSHA Z1, PEL	100 ppm; 410 mg/m3
Methanol	67-56-1	ACGIH, TWA	200 ppm
Methanol	67-56-1	ACGIH, STEL	250 ppm
Methanol	67-56-1	ACGIH, SKIN_DES	Can be absorbed through the skin.
Methanol	67-56-1	OSHA Z1, PEL	200 ppm; 260 mg/m3

Absence of values indicates none found

PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average; INTL REL - Internal Recommended Exposure Limit

OSHA revoked the Final Rule Limits of January 19, 1989 in response to the 11th Circuit Court of Appeals decision (AFL-CIO v. OSHA) effective June 30, 1993. See 29 CFR 1910.1000 (58 FR 35338).

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>BOILING POINT - C &amp; F:</b>	Not applicable
<b>VAPOR PRESSURE (20 C) (MM HG):</b>	Not applicable
<b>VAPOR DENSITY (AIR=1):</b>	No data available

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<b>FREEZING POINT:</b>	Unknown
<b>MELTING POINT:</b>	Unknown
<b>PHYSICAL STATE:</b>	Liquid
<b>ODOR:</b>	Ester
<b>COLOR:</b>	Clear
<b>EVAPORATION RATE (BUTYL ACETATE=1):</b>	ca. 6
<b>SPECIFIC GRAVITY (WATER=1):</b>	0.91
<b>DENSITY:</b>	ca. 0.91 g/cm <sup>3</sup>
<b>ACID / ALKALINITY (MEQ/G):</b>	Unknown
<b>pH:</b>	Unknown
<b>VOLATILE ORGANIC CONTENT (VOL):</b>	94.4 %(m)
<b>SOLUBILITY IN WATER (20 C):</b>	Insoluble
<b>SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):</b>	SOLUBLE IN ALCOHOLS
<b>VOC EXCL. H<sub>2</sub>O &amp; EXEMPTS (G/L):</b>	859

**10. STABILITY AND REACTIVITY**

**STABILITY**

Stable

**HAZARDOUS POLYMERIZATION**

Will not occur

**HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS**

Methanol; Ethyl acetate; Formaldehyde; This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees Fahrenheit (150'C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. A MSDS for formaldehyde is available from Momentive.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

Contact with oxidizing agents.

**CONDITIONS TO AVOID**

Keep away from heat and sources of ignition. Avoid any source of ignition due to flammability.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE ORAL**

Methanol; LD50; Species: Rat.; 5,628 mg/kg;

Ethyl acetate; LD50; Species: Rat.; 11,300 mg/kg;

**ACUTE DERMAL**

Methanol; LD50; Species: Rabbit.; 15,800 mg/kg;

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**OTHER**

None.

**SENSITIZATION**

No data available

**SKIN IRRITATION**

No data available

**EYE IRRITATION**

No data available

**MUTAGENICITY**

Unknown

**12. ECOLOGICAL INFORMATION**

**ECOTOXICITY**

No data available

**CHEMICAL FATE**

No data available

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD**

Disposal should be made in accordance with federal, state and local regulations., Incineration recommended in approved incinerator according to federal, state, and local regulations.

**14. TRANSPORT INFORMATION**

**DOT SHIPPING NAME:** FLAMMABLE LIQUID, N.O.S.(ETHYL ACETATE, METHANOL)  
**DOT HAZARD CLASS:** 3  
**DOT LABEL (S):** 3  
**UN/NA NUMBER:** UN1993  
**PACKING GROUP:** II

**IMDG SHIPPING NAME:** FLAMMABLE LIQUID, N.O.S.(ETHYL ACETATE, METHANOL)  
**CLASS:** 3  
**IMDG-LABELS:** 3  
**UN NUMBER:** UN1993  
**PACKING GROUP:** II

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**EMS No:** F-E; S-E

**IATA:** FLAMMABLE LIQUID, N.O.S. (ETHYL ACETATE, METHANOL)

**CLASS:** 3

**ICAO-LABELS:** 3

**UN NUMBER:** UN1993

**PACKING GROUP:** II

**15. REGULATORY INFORMATION**

**Inventories**

Canada DSL Inventory	y (Positive listing)	
Japan Inventory of Existing & New Chemical Substances (ENCS)	y (Positive listing)	
Korea Existing Chemicals Inventory (KECI)	y (Positive listing)	
China Inventory of Existing Chemical Substances	y (Positive listing)	
Australia Inventory of Chemical Substances (AICS)	y (Positive listing)	
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y (Positive listing)	
TSCA list	y (Positive listing)	On TSCA Inventory
EU list of existing chemical substances	y (Positive listing)	
Canada NDSL Inventory	n (Negative listing)	

For inventories that are marked as quantity restricted or special cases, please contact Momentive.

**US Regulatory Information**

**SARA (311,312) HAZARD CLASS**

Acute Health Hazard; Fire Hazard

**SARA (313) CHEMICALS**

67-56-1, Methanol 80-62-6, Methyl Methacrylate

**CALIFORNIA PROPOSITION 65**

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

**Canadian Regulatory Information**

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**WHMIS HAZARD CLASS**

Flammable Liquid, D2A VERY TOXIC MATERIALS, D2B TOXIC MATERIALS, F DANGEROUSLY REACTIVE MATERIAL

**Other**

**SCHDLE B/HTSUS:** 3208.90.0000 Paints & varnishes, other

**ECCN:** EAR99

**16. OTHER INFORMATION**

**OTHER**

C = ceiling limit applicable NEGL = negligible EST = estimated NF = none found NA = not applicable UNKN = unknown NE = none established REC = recommended ND = none determined V = recommended by vendor SKN = skin TS = trade secret R = recommended MST = mist NT = not tested STEL = short term exposure limit ppm = parts per million ppb = parts per billion By-product= reaction by-product, TSCA inventory status not required under 40 CFR part 720.30(h-2)., These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.