

## Section I - Product and Company Identification

**Product Name:** Monomer Enhancer  
**Chemical Name:** NA

**Family:** Odorless Monomer

**Manufacturer: The Supply Source**  
 4500 Hiatus Road, Suite 207, Sunrise, FL  
 33351  
**954-742-9553**  
**EMERGENCY Contact: CHEM-TEL Inc. At 800-255-3924 or 813-248-0573**

**Product Use:** Nail Liquid

## Section II - Hazardous Ingredients

Chemical Identity	CAS Numbers	INCI Name	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/OSHA	%
2-Hydroxy ethyl methacrylate	868-77-9	N/E	N/E	N/E	Not Listed	>90
Tetraethylene glycol dimethacrylate	109-17-1	N/E	N/E	N/E	Not Listed	<10

N/E - None Established  
 N/R - Not Reviewed  
 N/DA - No Data Available  
 N/A - Not Applicable

## Section III - Hazards Identification

### EMERGENCY OVERVIEW

- May cause allergic skin reaction.
- May cause minor eye irritation.
- Vapors/mist can cause irritation to upper respiratory system.

### Potential Health Effects, Signs and Symptoms of Exposure:

**Primary Route of Entry** Inhalation, skin , eye.  
**Eye** Irritating, may cause minor eye irritation.  
**Skin** Causes skin sensitization , an allergic reaction , which becomes evident on reexposure to this material. It may cause a delayed skin irritation and blistering.  
**Ingestion** The normal effects of this product have not been fully investigated.  
**Inhalation** No significant signs or symptoms indicative of any adverse health hazard are expected to occur as a result of inhalation.  
**Sub-Chronic Effects** No chronic effects are known . Basic material is non - toxic but may be poisonous.

NOTE: Refer to Section 11, Toxicological Information for Details

## Section IV - First Aid Measures

**First Aid for Eye** In case of contact , immediately flush eyes with plenty of water for at least 15 minutes . Obtain medical attention without delay , preferably from an ophthalmologist.  
**First Aid for Skin** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.Obtain medical attention. Wash clothing before reuse. Destroy or thoroughly clean contaminated shoes before reuse.  
**First Aid for Inhalation** Remove to fresh air . If not breathing , give CPR . If breathing is difficult , give oxygen . Get immediate medical attention.  
**First Aid for Ingestion** If swallowed , get medical attention immediately . Only induce vomiting if directed by a physician . Never give anything by mouth to an unconscious person.

## Section V - Fire Fighting Measures

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
TAG Closed 90 deg F	N/ A	N/ A

Method:  
 Extinguishing Media: Use water spray or fog , foam , dry chemical or CO2.  
 Fire Fighting: As in any fire , wer self-contained positive-pressure breathing apparatus and full protective gear.  
 Instructions: Containers can build up pressure if exposed to heat ( fire ). Cool with water spray.  
 Unusual Hazards: N/ A

### Section VI - Accidental Release Measures

Spill or Release Procedures: Ventilate area . Absorb spill with inert material and place in a chemical waste container . Obey relevant local , state , provincial and federal laws and regulations. Do not contaminate any lakes , streams , ponds , groundwater or soil . Use personal protective equipment as described in Section 8.

### Section VII - Handling and Storage

Handling: Wash thoroughly after handling . Follow all MSDS /label precautions even after container is emptied because it may retain product residues. Avoid breathing vapor or mist.  
 Storage: Store in a cool , dry place . Do not store in direct sunlight . Keep container closed when not in use . Store below 85 deg F , away from heat and light, oxidizing agents , reducing agents and photoinitiators.  
 Explosion Hazard: Avoid high temperature.

### Section VIII - Exposure Controls / Personal Protective Equipment

Engineering Controls: Use adequate ventilation. Use explosion - proof ventilation equipment.

#### Personal Protective Equipment

General: A safety shower and eye wash fountain should be readily available . To identify additional Personal Protective Equipment (PPE) requirements , it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29 CFR1910.132) be conducted before using this product.

Eye/ Face Protection: Use chemical splash goggles.

Skin Protection: This product may be a skin sensitizer . Personal protective equipment that provides a barrier to prevent dermal exposure is required. Use neoprene , PVC protective gloves.

Respiratory Protection: Organic vapor mask or self breathing apparatus

### Section IX - Physical and Chemical Properties

Appearance	Odor & Odor Threshold		pH	Specific Gravity	Viscosity	% Volatile	
Colorless liquid	ester-like odor		N/A	N/A	9 mPa s at 20 deg C	N/ A	
Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure:	Vapor Density	Evaporation Rate	Ignition	Solubility In Water (20°C)
483 deg F	N/A	N/A	mm Hg : 0.1 at 77 deg F	(Air= 1 ) : > 1	Slower than butyl acetate	N/A	Partially soluble

### Section X - Stability and Reactivity

**Stability:**

Stable under normal storage conditions

**Incompatibility (Materials to Avoid):**

Free radical initiators , strong oxidizing agents

**Hazardous Decomposition Products:**

Unknown

**Hazardous Polymerization:**

May occur

**Conditions to Avoid:**

UV light, heat source , free radical initiators

### Section XI - Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation - skin	Irritation - Eye
Oral LD50 (rat): 5564 mg/kg	Dermal LD50 (rabbit) : > 3000 mg/kg	N/DA	Slight skin irritant	minor eye irritation

Sensitization	Mutagenicity	Sub-chronic Toxicity
Causes skin sensitization	N/E	N/E

### Section XII - Ecological Information

**Ecotoxicological Information**

Acute Toxicity to Fish	Acute Toxicity to Invertebrates	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
LC50(fish) : 227mg/l, 96 h	N/E	N/E	N/E	N/E

**Chemical Fate Information**

Biodegradability	N/E
Chemical Oxygen Demand	N/E

### Section XIII - Disposable Concentrations

Waste must be disposed of in accordance with federal , state , and local regulations . Incineration is the preferred method.

### Section XIV - Transport Information

DOT/ Shipping Name : Not regulated

### Section XV - Regulatory Information

**US Federal Regulations**

Clean Air Act: HAP/ODS	This product contains no hazardous air pollutant (HAP), or ozone depleting substances as defined by the U. S. Clean Air Act.
Clean Water Act: Priority Pollutant	This product contains no chemicals listed under the U. S Clean Water Act Priority Pollutant List.
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging and/ or other applications as an indirect food additive.
Occupational Safety and Health Act	This product is considered to be hazardous under the OSHA Hazard Communication Standard. Its hazard are: Immediate ( acute) health hazard
RCRA	This product is not considered to be hazardous waste under RCRA ( 40 CFR 261 ).
SARA Title III: Section 302	This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances.
SARA Title III: Section 304	This product contains no chemicals under Section 304 as extremely hazardous

	chemical for emergency release notification ( " CERCLA " List ).
SARA Title III: Section 311-312:	This product is considered hazardous under OSHA HAZARD COMMUNICATION Standard and is regulated under Section 311-312 ( 40 CFR 370 ). Its hazard are : Immediate ( acute ) health hazard
SARA Title III: Section 313:	This product contains no chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
TSCA Section 8(b): Inventory:	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.

**State Regulations**

CA Right-to-Know Law	None
MA Right-to-Know Law:	None
NJ Right-to-Know Law:	None
PA Right-to-Know Law:	None
FL Right-to-Know Law:	None
MN Right-to-Know Law:	None

**International Regulations**

CDSL: Canadian Inventory (on Canadian Transitional List)	2-Hydroxyethyl methacrylate CAS #868-77-9 is on the DSL list. WHMIS = D2A Tetraethylene glycol dimethacrylate CAS #109-17-1 = no info available
EINECS: European Inventory:	2-Hydroxyethyl methacrylate (212-782-2) <ul style="list-style-type: none"> <li>• Hazard Symbol (XI), R Values (R36/38, R43), S Values (S26, S28)</li> </ul> Tetraethylene glycol dimethacrylate (203-653-1) <ul style="list-style-type: none"> <li>• Hazard Symbol (n/da), R Values (n/da), S Values (S36)</li> </ul>

**Section XVI - Other Information**

Hazard Rating System

NFPA: Health = 2 Flammability = 1 Reactivity = 1  
 HMIS: Health = 2 Flammability = 1 Reactivity = 1

Product Number -

Approval Date: 1/12/2001

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