



# Material Safety Data Sheet

<b>NFPA</b>	<b>HMS</b>	<b>Personal Protective Equipment</b>						
	<table border="1"> <tr> <td style="background-color: #00FFFF;">Health Hazard</td> <td style="text-align: center;">2</td> </tr> <tr> <td style="background-color: #FFCCCC;">Fire Hazard</td> <td style="text-align: center;">2</td> </tr> <tr> <td style="background-color: #FFFF00;">Reactivity</td> <td style="text-align: center;">0</td> </tr> </table>	Health Hazard	2	Fire Hazard	2	Reactivity	0	
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Fire Hazard	2							
Reactivity	0							
		See Section 15.						

Section 1. Chemical Product and Company Identification		Page Number: 1										
<b>Common Name/ Trade Name</b>	<b>2-Methoxyethyl Acrylate</b>	<table border="1"> <tr> <td><b>Catalog Number(s).</b></td> <td>M2227</td> </tr> <tr> <td><b>CAS#</b></td> <td>3121-61-7</td> </tr> <tr> <td><b>RTECS</b></td> <td>Not available.</td> </tr> <tr> <td><b>TSCA</b></td> <td>TSCA 8(b) inventory: 2-Methoxyethyl Acrylate</td> </tr> <tr> <td><b>CI#</b></td> <td>Not available.</td> </tr> </table>	<b>Catalog Number(s).</b>	M2227	<b>CAS#</b>	3121-61-7	<b>RTECS</b>	Not available.	<b>TSCA</b>	TSCA 8(b) inventory: 2-Methoxyethyl Acrylate	<b>CI#</b>	Not available.
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<b>TSCA</b>	TSCA 8(b) inventory: 2-Methoxyethyl Acrylate											
<b>CI#</b>	Not available.											
<b>Manufacturer</b>	SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248	<b>IN CASE OF EMERGENCY</b> <a href="tel:8004249300">CHEMTREC (24hr) 800-424-9300</a>  CALL (310) 516-8000										
<b>Commercial Name(s)</b>	Not available.											
<b>Synonym</b>	Ethylene Glycol Methyl Ether Acrylate; Ethylene glycol monomethyl ether acrylate; 2-Methoxyethanol, acrylate; 2-Propenoic acid, 2-methoxyethyl ester; Acrylic acid, 2-methoxyethyl ester; Glyco monomethyl ether acrylate; Methoxyethyl acrylate; Methyl cellosolve acrylate											
<b>Chemical Name</b>	Ethanol, 2-methoxy-, acrylate											
<b>Chemical Family</b>	Not available.											
<b>Chemical Formula</b>	C6-H10-O3											
<b>Supplier</b>	SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248											

Section 2. Composition and Information on Ingredients																													
Name	CAS #	Exposure Limits			% by Weight																								
		TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )	CEIL (mg/m <sup>3</sup> )																									
1) {2-}Methoxyethyl Acrylate	3121-61-7				100																								
<b>Toxicological Data on Ingredients</b> <table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="6"><b>2-Methoxyethyl Acrylate:</b></td> </tr> <tr> <td style="width: 20%;">ORAL (LD50):</td> <td style="width: 20%;">Acute: 4000 mg/kg [Rat].</td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> </tr> <tr> <td>DERMAL (LD50):</td> <td>Acute: 250 mg/kg [Rabbit].</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>VAPOR (LC50):</td> <td>Acute: 500 ppm 4 hours [Rat].</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>						<b>2-Methoxyethyl Acrylate:</b>						ORAL (LD50):	Acute: 4000 mg/kg [Rat].					DERMAL (LD50):	Acute: 250 mg/kg [Rabbit].					VAPOR (LC50):	Acute: 500 ppm 4 hours [Rat].				
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**Section 3. Hazards Identification**

<b>Potential Acute Health Effects</b>	Hazardous in case of skin contact (permeator), of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (irritant), of ingestion. Severe over-exposure can result in death.
<b>Potential Chronic Health Effects</b>	<p><b>CARCINOGENIC EFFECTS:</b> Not available.</p> <p><b>MUTAGENIC EFFECTS:</b> Not available.</p> <p><b>TERATOGENIC EFFECTS:</b> Not available.</p> <p><b>DEVELOPMENTAL TOXICITY:</b> Not available.</p> <p>The substance may be toxic to blood, kidneys, lungs, liver, immune system, bone marrow, central nervous system (CNS).</p> <p>Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.</p>

**Section 4. First Aid Measures**

<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
<b>Serious Skin Contact</b>	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Serious Inhalation</b>	Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. <b>WARNING:</b> It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek medical attention.
<b>Ingestion</b>	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
<b>Serious Ingestion</b>	Not available.

**Section 5. Fire and Explosion Data**

<b>Flammability of the Product</b>	Flammable.
<b>Auto-Ignition Temperature</b>	Not available.
<b>Flash Points</b>	CLOSED CUP: 60°C (140°F) - 65 C.
<b>Flammable Limits</b>	Not available.
<b>Products of Combustion</b>	These products are carbon oxides (CO, CO2).
<b>Fire Hazards in Presence of Various Substances</b>	Flammable in presence of open flames and sparks, of heat.
<b>Explosion Hazards in Presence of Various Substances</b>	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
<b>Fire Fighting Media and Instructions</b>	Flammable liquid. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.
<b>Special Remarks on Fire Hazards</b>	Not available.

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**Special Remarks on Explosion Hazards** Not available.

### Section 6. Accidental Release Measures

**Small Spill** Absorb with an inert material and put the spilled material in an appropriate waste disposal.

**Large Spill** Flammable liquid. Poisonous liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.

### Section 7. Handling and Storage

**Precautions** Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, reducing agents.

**Storage** Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

### Section 8. Exposure Controls/Personal Protection

**Engineering Controls** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

**Personal Protection** Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

**Personal Protection in Case of a Large Spill** Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits** Not available.

### Section 9. Physical and Chemical Properties

<b>Physical state and appearance</b>	Liquid.	<b>Odor</b>	Not available.
<b>Molecular Weight</b>	130.14 g/mole	<b>Taste</b>	Not available.
<b>pH (1% soln/water)</b>	Not available.	<b>Color</b>	Colorless.
<b>Boiling Point</b>	56°C (132.8°F) @ 12 mm Hg 65 C @ 16 mm Hg		
<b>Melting Point</b>	Not available.		
<b>Critical Temperature</b>	Not available.		
<b>Specific Gravity</b>	1.01 (Water = 1)		
<b>Vapor Pressure</b>	Not available.		
<b>Vapor Density</b>	4.49 (Air = 1)		
<b>Volatility</b>	Not available.		
<b>Odor Threshold</b>	Not available.		
<b>Water/Oil Dist. Coeff.</b>	Not available.		
<b>Ionicity (in Water)</b>	Not available.		
<b>Dispersion Properties</b>	Not available.		

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<b>Solubility</b>	Not available.
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### Section 10. Stability and Reactivity Data

<b>Stability</b>	The product is stable.
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<b>Instability Temperature</b>	Not available.
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<b>Conditions of Instability</b>	Heat, ignition sources, incompatible materials
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<b>Incompatibility with various substances</b>	Reactive with oxidizing agents, reducing agents.
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<b>Corrosivity</b>	Not available.
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<b>Special Remarks on Reactivity</b>	Incompatible with free radical initiators/polymerizing initiators, inert gases, oxygen scavengers
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<b>Special Remarks on Corrosivity</b>	Not available.
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<b>Polymerization</b>	Will not occur.
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### Section 11. Toxicological Information

<b>Routes of Entry</b>	Absorbed through skin. Dermal contact. Eye contact. Inhalation.
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<b>Toxicity to Animals</b>	<b>WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.</b> Acute oral toxicity (LD50): 4000 mg/kg [Rat]. Acute dermal toxicity (LD50): 250 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 500 4 hours [Rat].
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<b>Chronic Effects on Humans</b>	May cause damage to the following organs: blood, kidneys, lungs, liver, immune system, bone marrow, central nervous system (CNS).
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<b>Other Toxic Effects on Humans</b>	Hazardous in case of skin contact (permeator), of inhalation. Slightly hazardous in case of skin contact (irritant), of ingestion.
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<b>Special Remarks on Toxicity to Animals</b>	Lethal Dose/Conc 50% Kill: LD50 [Rabbit] - Route: Skin; Dose: 250 ul/kg LD50 [Rat] - Route: Oral; Dose 400 ul/kg
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<b>Special Remarks on Chronic Effects on Humans</b>	Not available.
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<b>Special Remarks on other Toxic Effects on Humans</b>	Acute Potential Health Effects: Skin: May cause mild skin irritation. Harmful if absorbed through the skin. Eyes: Causes moderate to severe eye irritation with burning sensation, tearing, redness, swelling. Inhalation: May cause respiratory tract and mucous membrane irritation coughing, shortness of breath, dizziness, intoxication and collapse. Harmful if inhaled. Ingestion: May affect the liver (liver damage), kidneys (kidney damage), bonemarrow, thymus, immune system, central nervous system, lungs, blood. Chronic Potential Health Effects: Ingestion or Inhalation: Prolonged or repeated exposure may cause liver or kidney damage. Skin: Prolonged or repeated skin contact may cause dermatitis, an allergic skin reaction.
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### Section 12. Ecological Information

<b>Ecotoxicity</b>	Not available.
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<b>BOD5 and COD</b>	Not available.
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<b>Products of Biodegradation</b>	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
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<b>Toxicity of the Products of Biodegradation</b>	The products of degradation are less toxic than the product itself.
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**Special Remarks on the Products of Biodegradation** Not available.

### Section 13. Disposal Considerations

**Waste Disposal** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### Section 14. Transport Information

**DOT Classification** CLASS 3: Flammable liquid.  
CLASS 6.1: Poisonous material.

**Identification** : Flammable liquid, toxic, n.o.s.(2-methoxyethyl acrylate) UNNA: 1992 PG: III

**Special Provisions for Transport** Not available.

**DOT (Pictograms)**



### Section 15. Other Regulatory Information and Pictograms

**Federal and State Regulations** TSCA 8(b) inventory: 2-Methoxyethyl Acrylate  
TSCA 8(a) PAIR: 2-Methoxyethyl Acrylate  
TSCA 8(d) H and S data reporting: 2-Methoxyethyl Acrylate: Effective date: 1/26/94; Sunset date: 12/19/95

**California Proposition 65 Warnings** California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found.  
California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: No products were found.

**Other Regulations** OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).  
EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances (EINECS No. 221-499-3).  
Canada: Listed on Canadian Non-Domestic Substance List (NDSL).  
China: Not listed on National Inventory.  
Japan: Listed on National Inventory (ENCS).  
Korea: Listed on National Inventory (KECI).  
Philippines: Listed on National Inventory (PICCS).  
Australia: Listed on AICS.

<b>Other Classifications</b>	<b>WHMIS (Canada)</b>	The WHMIS classification for this substance has not yet been established and is not available. However, it might be classified as: CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC). Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).
	<b>SDS (EEC)</b>	R20- Harmful by inhalation. R24- Toxic in contact with skin. R36- Irritating to eyes.  S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37- Wear suitable protective clothing and gloves. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S46- If swallowed, seek medical advice immediately and show this container or label.

HMIS (U.S.A.)

Health Hazard	2
Fire Hazard	2
Reactivity	0
Personal Protection	h

National Fire Protection Association (U.S.A.)

Health

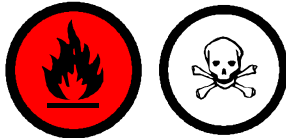


Flammability

Reactivity

Specific hazard

WHMIS (Canada)  
(Pictograms)



DSCL (Europe)  
(Pictograms)



TDG (Canada)  
(Pictograms)



ADR (Europe)  
(Pictograms)



Protective Equipment



Gloves.



Lab coat.



Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.



Splash goggles.

**Section 16. Other Information****MSDS Code** M3757**References** Not available.**Other Special Considerations** Not available.

Validated by Sonia Owen on 4/3/2007.

Verified by Sonia Owen.

Printed 4/3/2007.

CALL (310) 516-8000

**Notice to Reader**

*All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.*