MATERIAL SAFETY DATA SHEET

Section 1 - Chemical Product and Company Identification

PRODUCT NAME:	2-Hydroxypropyl Methacrylate		
CAS NUMBER:	27813-02-1	FORMULA:	$C_7H_{12}O_3$
CHEMICAL NAME:	Same	FORMULA WT.:	144.19
MSDS NUMBER:	7565		

MONOMER-POLYMER & DAJAC LABORATORIES, INC.
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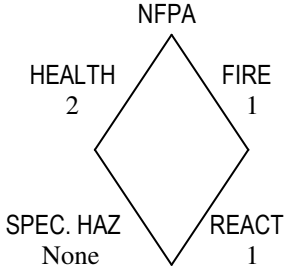
EMERGENCY TELEPHONE NUMBER: (800) 424-9300
INFORMATION TELEPHONE NUMBER: (215) 364-1155

PREPARED BY: Michael A. Burns August 31, 2012

SUPERSEDES: 12-1-07



Section 2 - Composition / Information on Ingredients

CAS NUMBER	HAZARDOUS COMPONENT	NTP	IARC	SUB-PART Z	SARA 313	OSHA PEL	ACGIH TLV	OTHER LIMITS	PERCENT
27813-02-1	2-Hydroxypropyl Methacrylate	N	N	N	N	N/D	N/D	N/D	99%min
79-41-4	Methacrylic Acid	N	N	N	N	N/D		N/D	<1%
N/A	Other ester adducts	N	N	N	N	N/D	N/D	N/D	<1%

Section 3 - Hazards Identification

ROUTE(S) OF ENTRY: Mouth and skin contact

HEALTH HAZARDS (ACUTE AND CHRONIC):

EYES: Corrosive. May cause permanent corneal damage.

SKIN: Corrosive. May cause burns resulting in permanent damage. May cause skin sensitization, an allergic reaction, which becomes evident on re-exposure to this material. Toxic. Harmful if absorbed through the skin.

INHALATION: Corrosive. May cause burns resulting in permanent damage.

INGESTION: Corrosive. May cause severe and permanent damage to mouth, throat and stomach.

SIGNS OF OVEREXPOSURE: Nose, throat and respiratory tract irritation.

OTHER HEALTH WARNINGS: None noted.

Section 4 - First Aid Measures

EYE CONTACT: Flush with copious amounts of water for at least 15 minutes, assuring adequate flushing by separating the eyelids with fingers. Obtain medical attention immediately.

SKIN CONTACT: Wash with copious amounts of water for at least 15 minutes. Removecontaminated clothing and shoes and wash before wearing. Consult physician.

INHALATION: Remove to fresh air and monitor breathing. If breathing becomes difficult, give oxygen. If breathing stops, give artificial respiration. Get immediate medical attention.

INGESTION: If swallowed, do NOT induce vomiting. Drink 8-10 ounces of water to dilute material in stomach. Get medical attention immediately.

Section 5 - Fire-Fighting Measures

FLASH POINT: 214°F **FLAMMABLE LIMITS:** N/D **LEL:** N/D **UEL:** N/D

EXTINGUISHING MEDIA: Use water spray or fog, foam, dry chemical or CO2.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and full protective gear.

UNUSUAL FIRE FIGHTING PROCEDURES: High temperatures may cause rapid uncontrolled polymerization which can result in explosions and the violent rupture of storage vessels or containers. Avoid the use of a solid stream of water to control fires since frothing can occur.

Section 6 - Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Evacuate area and ventilate. 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.

Section 7 - Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Folow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid contact with eyes, skin and clothing. Protect against accumulation of static charge. When heated above flash point and/or during spraying (atomizing), ignitable mixtures may form in air.

PRECAUTIONS TO BE TAKEN IN STORING: Store in a cool, dry place. Do not store in direct sunlight. Keep container closed when not in use. Bulk storage tanks should be kept oxygenated (air) in order to activate polymerization inhibitors. Oxygen (air) is required for stabilization. Do not overfill containers. Store only in the original container at a temperature not exceeding 30°C (86°F).

Section 8 - Exposure Controls / Personal Protection

VENTILATION REQUIREMENTS: Ventilation should be designed in accordance with good engineering practices.

Section 8 - Exposure Controls / Personal Protection (cont'd)

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION: Respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements.

EYE PROTECTION: Chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

DERMAL PROTECTION: Personal protective equipment that provides a barrier to prevent dermal exposure. Exposed workers should shower and change to cleaning clothing after the work shift.

OTHER: Hazard assessment in accordance with OSHA PPE Standard (29CFR1910.132) is recommended before use of this product.

Section 9 - Physical and Chemical Properties

SOLUBILITY in WATER:	1% to 10%	**SPECIFIC GRAVITY (H_2O = 1):**	1.029
APPEARANCE AND ODOR:	Colorless liquid	**BOILING POINT:**	~ 240°C @ 1013hPa
OTHER INFORMATION:	Faint acrylic odor	**MELTING POINT:**	-58°C

Section 10 - Stability and Reactivity

STABILITY: Stable under normal storage conditions. Avoid exposure to light, loss of dissolved air, loss of polymerization inhibitor.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: N/A

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions. Avoid light, loss of dissolved air, and loss of polymerization inhibitor. See Incompatibility (below).

INCOMPATIBILITY:

CONDITIONS TO AVOID: High temperatures. Ultraviolet light. Accumulation of static charges. Atmospheric oxygen saturation is necessary for stability.

MATERIALS TO AVOID: Polymerization may be initiated by contamination with peroxides, azo compounds, heavy metal ions, tertiary amines, sulfur compounds.

Section 11 - Toxicological Information

COMPONENT TOXICOLOGICAL INFORMATION

Chemical name	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat)
Methacrylic Acid	2200 mg/kg	500 mg/kg	7100 mg/m3

OTHER TOXICOLOGICAL INFORMATION

No information is available.

Section 12 – Ecological Information

No information is available.

Section 13 - Disposal Considerations

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

Section 14 - Transport Information

DOT TRANSPORTATION DATA:

PROPER SHIPPING NAME:	Not regulated
HAZARD CLASS:	N/A
IDENTIFICATION NUMBER:	Not regulated.
PACKING GROUP:	N/A
LABEL:	N/A
SPECIAL PROVISIONS:	N/A

Section 15 - Regulatory Information

U.S. Federal Regulations

OSHA:
This document was prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard.

CLEAN AIR ACT SECTION 112:
This product contains the following components listed as Hazardous Air Pollutants:
None
This product contains the following components listed as Extremely Hazardous Air Pollutants:
None
SARA TITLE III STATUS:
SECTION 302: This product contains the following components listed as Extremely Hazardous Substances:
None
SECTION 311/312: Hazard Classifications: Immediate (acute), Sudden release of Pressure
SECTION 313: This product contains the following substances 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:
None

TSCA:
This product or its components are listed in or exempt from the TSCA inventory requirements.
This product contains the following non-proprietary substances subject to export notification under Section 12(b) of TSCA:

None

State Regulations

New Jersey
This product contains the following non-hazardous components subject to disclosure under New Jersey Right-To-Know legislation:

None

Pennsylvania
This product contains the following non-hazardous components subject to disclosure under Pennsylvania Right-To-Know legislation:

None

California (Proposition 65)
This product contains the following substances known to the State of California to cause cancer:

None

This product contains the following substances known to the State of California to cause adverse reproductive effects:

None

International Regulations

Summary of International Chemical Inventory Status

Canada	On inventory
Europe	On inventory
South Korea	On inventory
Australia	On inventory

Section 16 - Other Information

Ratings Key: 4 = Highest hazard, 0 = Lowest hazard, N = No rating for powders

ADDITIONAL MANUFACTURER WARNINGS:

Store only in closed, properly labeled containers.

Do not use cutting or welding torches on drums which contained this product unless they have been properly cleaned and purged.

Use only with adequate ventilation.

Do not eat, drink or smoke in work areas. Wash hands with soap and water prior to eating or using toilet facilities and at the end of the work shift. Launder contaminated clothing prior to reuse.

OTHER PRECAUTIONS AND COMMENTS: N/E

PREVIOUS REVISION DATE: N/A

N/A = Not Applicable
N/AV= Not available
N/D = Not Determined
N/E = Not Established
S = Suspected
ST = Short Term Exposure Limit

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**** END MSDS ****