



1. PRODUCT AND COMPANY IDENTIFICATION

Rowmark LLC

2040 Industrial Drive
Findlay, OH 45840
USA

EMERGENCY PHONE NUMBERS:

Medical: 911
Poison Control: 800-589-3897

Telephone Numbers

Rowmark Customer Service
International

Phone Number

1-877-ROWMARK
419-425-8974

Available Hours

7:00am-5:00pm EST

Product Name: UltraGrave™

Product Synonym(s): High Impact Modified Acrylic Blends

Chemical Family: Acrylic Copolymer

Chemical Formula: Mixture

Chemical Name: Mixture

EPA Reg Number:

Product Use: Signage, Other

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substances present at a concentration below the minimum danger threshold

<u>Ingredient Name</u>	<u>CAS Registry Number</u>	<u>Typical Wt. %</u>	<u>OSHA</u>
P (EA/MMA)	Proprietary	50-54	N
Acrylic Styrene Copolymer	Proprietary	35-50	N
2-(Propyloxy)ethanol	2807-30-9	1<=x% <2.5	Y
Cyclohexanone	203-631-1	1<=x% <2.5	Y
Ethyl acrylate	140-88-5	< 0.1	Y

May produce an allergic reaction

<u>Ingredient Name</u>	<u>CAS Registry Number</u>	<u>Typical Wt. %</u>	<u>OSHA</u>
Methyl methacrylate	80-62-6	< 0.5	Y

The substance(s) marked with a "Y" in the OSHA column are identified as hazardous chemicals according to the criteria of the OSHA Hazardous Communication Standard (29 CFR 1910.1200).

While this material is not classified as hazardous under Federal OSHA regulations, this MSDS contains valuable information critical to the safe handling and proper use of this product. This MSDS should be retained and available for employees and other users of this product.

The components of this product are all on the TSCA Inventory list.

3. HAZARDS IDENTIFICATION

Emergency Overview:

Various colors with characteristic odor. CAUTION! MELT PROCESSING RELEASES VAPORS WHICH MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION

Potential Health Effects:

Skin contact and inhalation of dust are expected to be the primary routes of occupational exposure to this material. As a finished product, it is a synthetic, high molecular weight polymer pellet. Due to its chemical and physical properties, this material does not require special handling other than the good industrial hygiene and safety practices employed with any industrial material of this type. Ethyl acrylate is listed as a substance that may reasonably be anticipated to be a carcinogen by the National Toxicology Program (NTP) and is classified as "possibly carcinogenic to humans" by the International Agency for Research on Cancer.

4. FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing in an unconscious person.

In the event of exposure by inhalation:

In the event of inhalation, move patient to the open air. Keep warm and at rest. If breathing is irregular or has stopped, proceed with artificial respiration and seek medical attention.

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin:

Wash the skin thoroughly with soap and water or a recognized cleaner.

5. FIRE FIGHTING MEASURES

Cool product.

Suitable extinguishing media:

In the event of fire, use specifically suitable extinguishing agents.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions:**

Consult the safety measures listed under headings 7 and 8.

Environmental precautions:

Prevent any material from entering drains or waterways. Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13). If the product contaminates waterways, rivers, or drains, alert the relevant authorities in accordance with statutory procedures.

Methods for cleaning up:

Clean preferably with a detergent, do not use solvents.

7. HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled.

Fire Prevention:

Prevent access by unauthorized personnel.

Recommended equipment and procedures:

For personal safety, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures:

Smoking, eating and drinking are prohibited in premises where the preparation is used.

Never open the packages under pressure.

Storage:

Keep the container tightly closed in a dry space.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Controls:

Adequate ventilation in work area is needed due to dust or vapors created during fabrication.

Personal Protective Equipment (PPE):

EYE/FACE PROTECTION: Safety glasses or face shield should be used. If exposed to dust, chemical glasses may be required.

SKIN PROTECTION: No precautions other than clean body-covering clothing should be needed. Use insulated gloves for thermal protection, when desired.

RESPIRATORY PROTECTION: In dusty atmospheres, use an approved respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor: Various colors, characteristic odor

Boiling Point: N/A

Vapor Pressure: N/A

Vapor Density: N/A

Specific Gravity: 1.15-1.19

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: Prolonged contact with acids, alkalis and strong oxidizing agents may attack or dissolve the polymer.

11. TOXICOLOGY INFORMATION

No data is available regarding the preparation itself.

Other Data:

CAS 108-94-1 : IARC Group 3: The agent is not classifiable as to its carcinogenicity to humans.

CAS 80-62-6 : IARC Group 3: The agent is not classifiable as to its carcinogenicity to humans.

12. ECOLOGICAL INFORMATION

Movement & Partitioning: In the terrestrial environment, material is expected to remain in the soil. In the aquatic environment, material will sink and remain in the sediment.

Degradation & Persistence: This water insoluble polymeric solid is expected to be inert in the environment. Surface photo degradation is expected with exposure to sunlight. No appreciable biodegradation is expected.

Ecotoxicity: Not expected to be acutely toxic, but chips may mechanically cause adverse effects if ingested by waterfowl or aquatic life.

13. DISPOSAL CONSIDERATIONS

Disposal must be in accordance with applicable governmental regulations.

14. TRANSPORT INFORMATION

Department of Transportation (D.O.T.): This product is not regulated by D.O.T. when shipped domestically by land.

Canadian TDG Information: This product is not regulated by TDG when shipped domestically by land.

15. REGULATORY INFORMATION

(Not meant to be all-inclusive – selected regulations represented)

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370)

Immediate (Acute) Health	N	Delayed (Chronic) Health	N
Sudden Release of Pressure	N	Reactive	N
Fire	N		

The components of this product are all on the TSCA inventory list.

INGREDIENT RELATED REGULATORY INFORMATION:

SARA REPORTABLE QUANTITIES
Ethyl acrylate
Methyl methacrylate
P (EA/MMA)

CERCLA RQ SARA TPQ
1000 LBS N/A
1000 LBS
N/A

**SARA TITLE III, SECTION 313**

This product does contain chemical(s), which are defined as toxic chemicals under and subject to the reporting requirements of, Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 986 and 40 CFR Part 372. See Section 2

Ethyl acrylate
Methyl methacrylate

CALIFORNIA PROP 65 – CARCINOGEN

This product does contain the following chemical(s), as indicated below, currently on the California list of Known Carcinogens.

Ethyl acrylate

MASSACHUSETTS RIGHT TO KNOW

This product does contain the following chemicals(s), as indicated below, currently on the Massachusetts Right to Know Substance List.

Ethyl acrylate
Methyl methacrylate

15. REGULATORY INFORMATION (cont'd)**NEW JERSEY RIGHT TO KNOW**

This product does contain the following chemical(s), as indicated below, currently on the New Jersey Right-to-Know Substances List.

Ethyl acrylate
Methyl methacrylate

PENNSYLVANIA ENVIRONMENTAL HAZARD

This product does contain the following chemical(s), as indicated below, currently on the Pennsylvania Environmental Hazard List.

Ethyl acrylate
Methyl methacrylate

PENNSYLVANIA RIGHT TO KNOW

This product does contain the following chemical(s), as indicated below, currently on the Pennsylvania Hazardous Substance List.

Ethyl acrylate
Methyl methacrylate

PENNSYLVANIA SPECIAL HAZARD

This product does contain the following chemical(s), as indicated below, currently on the Pennsylvania Special Hazard List.

Ethyl acrylate

16. OTHER INFORMATION



NFPA HAZARD RATING (National Fire Protection Association):

Fire	1
Health 0	0 Reactivity
—	
Special	

FIRE: Materials that must be preheated before ignition can occur.

HEALTH: Materials that under emergency conditions would offer no hazard beyond that of ordinary combustible materials.

REACTIVITY: Materials that in themselves are normally stable, even under fire exposure conditions.

REASON FOR ISSUE:

The information herein is given in good faith, but no warranty, express or implied, is made. Consult Rowmark, Inc. for further information.