



SDS No: 0024

Section 1. Product and Company Identification

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|---|---|
| Product Name: .005 Advantage Exterior Series | |
| Trade Name: Impact Modified Acrylic | |
| Recommended Use: Signage, Other | |
| Restrictions on Use: None | |
| Manufacture: Innovative Plastics Inc. 5409 Hamlet Drive Findlay, OH 45840 | In Case of Emergency: Call: Medical:911 Poison Control: 800-589-3897 Email: Information: Call: 1-815-477-0778 Email: info@inoplas.com |

Section 2. Hazard Identification

| | |
|------------------------------------|--|
| GHS Classification: Not Classified | NEW GHS Hazard Categories Category 1 = Severe Hazard Category 2 = Serious Hazard Category 3 = Moderate Hazard Category 4 = Slight Hazard Category 5 = Minimal Hazard |
| GHS Label Elements: Not Applicable | |
| GHS Rating | |
| Health | 5 |
| Flammability | 4 |
| Instability | 5 |
| Special | |
| Other Hazards: Not Applicable | |

Section 3. Composition / Information on Ingredients

| Name | CAS # | % by Weight | OSHA |
|---------------------------|-------------|-------------|------|
| P (EA/MMA) | Proprietary | 50-54 | N |
| Acrylic Styrene Copolymer | Proprietary | 35-50 | N |
| Methyl methacrylate | 80-62-6 | < 0.5 | Y |
| Ethyl acrylate | 140-88-5 | < 0.1 | 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 SDS contains valuable information critical to the safe handling and proper use of this product. This SDS 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.

* Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

Section 4. First Aid Measures

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| Inhalation: | Dust and process vapors may be irritation to the nose, throat and respiratory tract. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get Medical attention. |
| Eyes: | Dust, fines and process vapors may irritate the eyes. Immediately flush eyes with water for at least 15 minutes. Get medical attention. |
| Skin: | Exposure to molten plastic may cause thermal burns. If molten material comes in contact with the skin, cool under ice water or a running stream. |
| Ingestion: | No adverse health effects expected from ingestion. |

Section 5. Fire-Fighting Measures

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| Suitable Extinguishing Methods: | Dry Chemical, Water Spray, Foam Carbon Dioxide. Avoid using direct streams of water on molten burning material. |
|---------------------------------|---|

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|-----------------------------------|---|
| Unsuitable Extinguishing Methods: | NONE known. |
| Hazards During Fire-fighting: | Carbon monoxide, carbon dioxide, original monomer other hydrocarbon oxidation products. |
| Protective Equipment: | Wear self-contained breathing apparatus and protective suit. |

Section 6. Accidental Release Measures

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| Personal Precautions: | See Section 8 - Exposure Controls / Personal Protection. |
| Environmental Precautions: | No Special environmental precautions required. |

Methods and Materials for Containment and Cleaning Up

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| Spill / Leak: | Containment of this material should not be necessary. Sweep up or gather material and place in appropriate container for disposal. |
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Section 7. Handling and Storage

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| Handling: | Keep away from heat, flame and strong oxidizing agents. |
| Storage: | Keep away from heat, sparks, and flame. Store in cool place in original container and protect form sunlight. |

Section 8. Exposure Control and Personal Protection

Exposure Limits:

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|-------------------------------|--|
| 1) Effects of Acute Exposure: | Inhalation of vapors may result in irritation of upper respiratory tract |
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|--------------------------------------|--|
| 2) Effects of Chronic Over Exposure: | |
|--------------------------------------|--|

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|--------------------------------------|----------------------------------|
| 3) OSHA Permissible Exposure Limits: | US. ACGIF Threshold Limit Values |
|--------------------------------------|----------------------------------|

| | |
|-----------------------|---------------------|
| Form: | Inhalable particles |
| Time weighted average | 10 mg/m3 |

| | |
|-----------------------|----------------------|
| Form: | Respirable particles |
| Time weighted average | 3 mg/m3 |

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| | |
|--------------|---------------------|
| Form: | Respirable fraction |
| PEL: | 5 mg/m3 |

| | |
|--------------|------------|
| Form: | Total dust |
| PEL: | 15 mg/m3 |

US. OSHA Table Z-3 (29 CFR 1910.1000)

| | |
|-----------------------|---------------------|
| Form: | Respirable fraction |
| Time weighted average | 15 ppm |

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|-----------------------|------------|
| Form: | Total dust |
| Time weighted average | 50 ppm |

| | |
|-----------------------|---------------------|
| Form: | Respirable fraction |
| Time weighted average | 5 mg/m3 |

| | |
|-----------------------|------------|
| Form: | Total dust |
| Time weighted average | 15 mg/m3 |

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| 4) Carcinogen Potential: | |
|--------------------------|--|

Engineering Controls:

Use recommended safe handling practices to minimize unnecessary exposure.

General room ventilation is adequate for storage and ordinary handling.

Use local exhaust at points of fume generation or if dusty conditions prevail.

Personal Protective Equipment:

Wear safety glasses with side shields or chemical goggles to prevent eye contact.

Have eye-washing facilities readily available where eye contact can occur.

Wear impervious gloves and protective clothing to prevent skin contact.

Section 9. Physical and Chemical Properties

| | | | |
|---------------------------------|----------------------|--|-------------------------|
| Appearance: | Various Colors | Vapor Pressure: | Not Applicable |
| Odor: | Slightly acrylic | Vapor Density: | Not Applicable |
| pH: | Not applicable | Relative Density: | 1.19 g/cm ³ |
| Melting Point / Freezing Point: | No data available | Solubility (ies): | Not Applicable |
| Boiling Point: | No data available | Partition Coefficient (N-Octanol/Water): | No data available |
| Flash Point: | Not applicable | Auto-Ignition Temperature: | 739°F (393°C) |
| Evaporation Rate: | Not applicable | Decomposition Temperature: | >572°F (> 300°C) |
| Flammability (solid, gas): | See GHS in section 2 | Viscosity: | No data available |
| Upper Explosive Limit: | Not applicable | Specific Gravity: | 1.19 Water = 1 (liquid) |
| Lower Explosive Limit: | Not applicable | Percent Volatile: | 0% |

Section 10. Stability Reactivity

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| Reactivity: | No data available |
| Chemical Stability: | Stable |
| Possibility of Hazardous Reactions: | Hazardous polymerization does not occur |
| Conditions to Avoid: | Avoid flames, welding arcs, potential ignition sources, or other high temperature sources, prolonged contact with acids, alkalis and strong oxidizing agents |
| Incompatible Materials: | None under normal conditions of use |
| Hazardous Decomposition Products: | Carbon oxides, Acrylates, Methacrylates, Hazardous organic compounds |
| Combustion Products: | No data available |

Section 11. Toxicological Information

Irritation Effects

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|------------------|---|
| Eye Irritation: | Solid particles may cause transient irritation from mechanical abrasion. |
| Skin Irritation: | Not expected to cause skin irritation. Molten material may cause thermal burns. |
| Inhalation: | Not a likely route of exposure. Process fumes may cause irritation. |
| Ingestion: | May cause a choking hazard if swallowed. |

Data for PLEXIGLAS® DR®-101 ACRYLIC RESIN

Acute Toxicity

| | |
|-------------|---------------------------------------|
| Dermal: | Acute toxicity estimate > 5,000 mg/kg |
| Inhalation: | 4 h Acute toxicity estimate > 10 mg/L |

Data for Acrylic copolymers (Proprietary)

Other Information

The information presented is from representative materials in this chemical class. The results may vary depending on the test substance.

Effects due to processing releases or residual monomer: Possible cross sensitization with other acrylates and methacrylates.

Data for Acrylic styrene copolymers (proprietary)

Other Information

The information presented is from a representative material with a similar structure. The results vary depending on the size and composition of the test substance.

Effects due to processing releases or residual monomer: Possible cross sensitization with other acrylates and methacrylates.

Additional Toxicological Information

When used and handled according to specifications, the product does not have any harmful effects according to research and information provided by suppliers.

Carcinogenic Effect

International Agency for Research on Cancer (IARC) : Group3 NOT classifiable as to its carcinogenicity to humans.

Section 12. Ecological Information

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|--------------------------------|--|
| Eco-toxicity: | Toxicity to fish - No relevant studies identified. |
| Persistence and Degradability: | This material is not expected to be readily biodegradable. |
| Bio-accumulate Potential: | Product is not likely to accumulate in biological organisms. |

| | |
|------------------------|---|
| Mobility in Soil: | This Product has not been found to migrate through soils. |
| Other Adverse Effects: | This Substance is not in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer. |

Section 13. Disposal Considerations

Disposal Methods

- Product Recommendation:
1. Recycle (Reprocess) if product has not been contaminated so as to make it unsuitable for its intended use.
 2. Disposal through controlled incineration or authorized waste dump in accordance with Local, State or Federal Regulations.

- Uncleaned Packaging Recommendation:
1. Disposal must be done in accordance with Local, State, or Federal Regulation.

Section 14. Transportation Information

UN Number: Not Relevant

UN Proper Shipping Name: Not Relevant

Transportation Hazard Class(es)

DOT: Not Regulated/classified

ADR / RID: Not Regulated/classified

IMDG: Not Regulated/classified

ICAO/IATA: Not Regulated/classified

Packing Group: Not Applicable

Environmental Hazards: Not Relevant

Transportation in Bulk (According to Annex II of MARPOL 73/78 and IBC Code): Not Relevant

Special Precautions for User: No special precautions

Section 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 | CERCLA RQ | SARA TPQ |
|---------------------|----------------------------|-----------|----------|
| Ethyl acrylate | | 1000 LBS | N/A |
| Methyl methacrylate | | 1000 LBS | N/A |
| P (EA/MMA) | | N/A | 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 1986 and 40 CFR Part 372. See section 2.

| Chemical Name | CAS-No. | De minimis concentration | Reportable Threshold: |
|-------------------------------|--------------|--------------------------|---|
| Ethyl acrylate | Not assigned | Not assigned | Not assigned |
| Methyl methacrylate | Not assigned | Not assigned | Not assigned |
| 2-Propenoic acid, ethyl ester | 140-88-5 | 0.10% | 10000 lbs (otherwise used (non-manufacturing/processing)) 25000 lbs (manufacturing and processing) |

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)-Reportable Quantity (RQ)

| Chemical Name | CAS-No. | Reportable quantity |
|---|---------|---------------------|
| 2-Propenoic acid, 2-methyl-, methyl ester | 80-62-6 | 1000 lbs |

| | | |
|-------------------------------|----------|----------|
| 2-Propenoic acid, ethyl ester | 140-88-5 | 1000 lbs |
|-------------------------------|----------|----------|

Chemical Inventory Status

| EU. EINECS | EINECS | Conforms to |
|--|------------|--|
| United States TSCA Inventory | TSCA | The components of this product are all on the TSCA Inventory |
| Canadian Domestic Substances List (DSL) | DSL | All components of this product are on the Canadian DSL. |
| China. Inventory of Existing Chemical Substances in China (IECSC) | IECSC (CN) | Does not conform |
| Japan. ENCS - Existing and New Chemical Substances Inventory | ENCS (JP) | Does not conform |
| Japan. ISHL-Inventory of Chemical Substances | ISHL (JP) | Does not conform |
| Korea. Korean Existing Chemicals Inventory | KECI (KR) | Conforms to |
| Philippines Inventory of Chemicals and Chemical Substances (PICCS) | PICCS (PH) | Conforms to |
| Australia Inventory of Chemical Substances | AICS | Conforms to |

OSHA HazCom: This Material is not Hazardous b OSHA Hazardous Communication Standard 29 CFR 1910.1200

SARA 313:

| | | |
|-----------------------------|----------------------------|------------------------------|
| Immediate Hazard: NO | Fire Hazard: NO | Reactivity Hazard: NO |
| Delayed Hazard: NO | Pressure Hazard: NO | |

Section 16. Other Information

No Additional Information

NOTICE: The information presented in this Safety Data Sheet is based on data considered to be accurate as of the date this Safety Data Sheet was prepared. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

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