

HECKMANN BUILDING PRODUCTS INC. – SAFETY DATA SHEET (SDS)
Plastic Weep Tubes and Wall Stabilizing Plastic Inserts

1. Product and Company Identification

1.1. Product identifier

Acrylite® Acrylic Molding and Extrusion Compounds

Polymethylmethacrylate; PMMA

1.2. Recommended use of the chemical and restrictions on use

Recommended use(s): molding compound for injection molding and extrusion

Non-recommended use(s): None known.

1.3. Details of the supplier of the safety data sheet

Heckmann Building Products

Division of Mechanical Plastics Corp.

1501 N. 31st Avenue – Melrose Park, IL 60160-2911

708-865-2403

2. Hazards identification

2.1. Classification of the substance or mixture

This mixture is not classified according to US-GHS.

Classification according to Regulation 29CFR 1910.1200

This product is not considered to be a hazardous substance or mixture when classified in accordance with Regulation 29 CFR 1910.1200 (US GHS).

2.2. Label elements

This mixture is not classified according to US-GHS.

2.3. Other hazards

Dust explosions are generally to be expected with dust -forming organic products.

3. Composition/information on ingredients

3.1. Substances

3.2. Mixtures

Hazardous Ingredients

| Component | CAS-No. | Content | Hazard class / Hazard category / Hazard statement |
|-------------------|--------------|----------|---|
| acrylic copolymer | trade secret | > 95.0 % | not classified |

4. First-aid measures

4.1. Description of first aid measures

General advice - No special measures are required.

Inhalation - No specific treatment is necessary since this material is not likely to be hazardous by inhalation.

Skin contact - After contact with melted product cool quickly with cold water. See a physician.

Eye contact - If mechanical irritation occurs flush eyes thoroughly with a large amount of water, consult a physician if irritation persists.

Ingestion - Ingestion is not considered a potential route of exposure.

4.2. Most important symptoms and effects, both acute and delayed

No hazards known.

4.3. Indication of any immediate medical attention and special treatment needed

None known

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media foam, dry chemical, carbon dioxide, water spray

Unsuitable extinguishing media full water jet

5.2. Specific hazards arising from the chemical

In case of fire partly flammable, partly harmful vapours, which are irritating to the eyes and respiratory system, may be formed on thermal decomposition.

5.3. Special protective equipment and precautions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use water spray to cool containers exposed to fire.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

Collect material and place in a disposal container. Obey relevant local, state, provincial and federal laws and regulations.

6.4. Reference to other sections

For personal protection see section 8.

7. Handling and storage

7.1. Precautions for safe handling

Safe handling advice - Avoid dust formation. During thermoplastic processing, vapors of the decomposition products referred to in section 10 are given off, which are technically unavoidable (Observe exposure threshold limit values). During thermal processing and/or machining local exhaust ventilation at processing machines is recommended.

Advice on protection against fire and explosion - Take precautionary measures against static discharges. In the event of fire, cool the endangered product with water.

7.2. Conditions for safe storage, including any incompatibilities - Requirements for storage areas and containers: Store in a dry place.

8. Exposure controls/personal protection

8.1. Control parameters

Exposure Limit Information

ACRYLIC COPOLYMER - trade secret

| Occupational Exposure Values | Remark(s): |
|------------------------------|-----------------|
| ACGIH TLV-TWA | not established |
| ACGIH TLV-STEL | not established |
| OSHA PEL-TWA | not established |

| | |
|----------------|-----------------|
| OSHA PEL-STEL | not established |
| NIOSH REL-TWA | not established |
| NIOSH REL-STEL | not established |

Dust, Particulates

| Occupational Exposure Values | | | Remark(s): |
|------------------------------|----------|----------|--------------------|
| ACGIH TLV-TWA | | | not established |
| ACGIH TLV-STEL | | | not established |
| OSHA PEL-TWA | 50 mppcf | | (total dust) |
| OSHA PEL-TWA | 15 mppcf | | (respi rable dust) |
| OSHA PEL-STEL | | | not established |
| OEL-TWA (Alberta) | | 10mg/m3 | Total dust |
| OEL-TWA (Alberta) | | 3 mg/m3 | (respi rable dust) |
| OEL-STEL (Alberta) | | | not established |
| OEL-TWA (British Columbia) | | 3 mg/m3 | (respirable dust) |
| OEL-TWA (British Columbia) | | 10 mg/m3 | (total dust) |
| OEL-STEL (British Columbia) | | | not established |
| OEL-TWA (Ontario) | | 10 mg/m3 | (inhalable) |
| OEL-TWA (Ontario) | | 3 mg/m3 | (respirable) |
| OEL-TWA (Quebec) | | 10 mg/m3 | (total dust) |
| OEL-STEL (Quebec) | | | not established |
| OEL-TWA (Mexico) | | 10 mg/m3 | (total dust) |
| OEL-STEL (Mexico) | | | not established |

8.2. Exposure controls

Engineering controls

If use operations generate dust, use adequate ventilation.

8.3. Personal protective equipment

Protective measures - 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 (29CFR1910.132) be conducted before using this product.

Hygiene measures - Follow the usual good standards of occupational hygiene. Clean skin thoroughly after work; apply skin cream.

Respiratory protection - A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Hand protection - protective gloves against mechanical risks according to EN 388

General information - Gloves should be replaced regularly, especially after extended contact with the product. For each work-place a suitable glove type has to be selected.

Eye protection - Use safety glasses (ANSI Z87.1 or approved equivalent).

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Color - colorless or colored
Form - Pellets
Odor - odorless
Odor Threshold - no data available
physical state - solid
Melting point/freezing point - Softening Temperature
ca. 108 °C 226 °F
Boiling point/range - not applicable
Flash point - > 250 °C (ASTM D 1929-68) > 482 °F (ASTM D 1929-68)
Evaporation rate - not applicable
Ignition temperature - no data available
Autoignition temperature - > 400 °C > 752 °F
Decomposition temperature - This product is stable under normal storage conditions. No decomposition if stored and applied as directed. Depolymerization begins at 250 °C / 482 °F.
Impact sensitivity - no data available
Lower explosion limit - not applicable
Upper explosion limit - not applicable
Flammability (solid, gas) - no data available
Vapor pressure - not applicable
Density ca. - 1.19 g/cm³ at 20 °C / 68 °F
Relative density - no data available
Bulk density - no data available
Relative vapor density (related to air) - not applicable
Solubility in water - insoluble
Solubility (quantitative) - no data available
Solubility (qualitative) - in e.g. esters, ketones and chlorinated hydrocarbons: readily soluble
pH - not applicable
n-Octanol/water partition coefficient - not applicable
Viscosity (dynamic) - not applicable
Viscosity (kinematic) - not applicable

9.2. Other information

Dust explosions are generally to be expected with dust -forming organic products.

10. Stability and reactivity

10.1. Reactivity - see section 10.2.

10.2. Chemical stability

This product is stable under normal storage conditions.No decomposition if stored and applied as directed.Depolymerization begins at 250 °C / 482 °F.

10.3. Possibility of hazardous reactions No dangerous reactions known.

10.4. Conditions to avoid High temperature.

10.5. Incompatible materials No known incompatibility with other materials.

10.6. Hazardous decomposition products - In case of thermal decomposition, combustible vapors are formed, which are irritating to eyes and respiratory system, mainly consisting of: methyl methacrylate

11. Toxicological information

11.1. Information on toxicological effects

toxicokinetics, metabolism and distribution - The substance is practically not bioavailable (structure-activity-relationships) (analogy)

Acute Oral Toxicity - no specific test data available, no evidence for hazardous properties (structure-activity-relationships) (analogy)
Caustic burning / irritation of skin - no specific test data available, no evidence for hazardous properties (structure-activity-relationships) (analogy)
Serious eye damage/eye irritation - no specific test data available, no evidence for hazardous properties (structure-activity-relationships) (analogy)
Respiratory/skin sensitization - no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)
Aspiration hazard no specific test data available - no evidence for hazardous properties (structure-activity-relationships) (analogy)
Mutagenicity assessment no specific test data available - no evidence for hazardous properties (structure-activity-relationships) (analogy)
Carcinogenicity no specific test data available - no evidence for hazardous properties (structure-activity-relationships) (analogy)
Reprotoxicity / teratogenicity no specific test data available- no evidence for hazardous properties (structure-activity-relationships) (analogy)
CMR assessment CMR: no - no specific test data available (structure-activity-relationships) (analogy)
Specific Target Organ Toxicity - Single exposure - no specific test data available - no evidence for hazardous properties (structure-activity-relationships) (analogy)
Specific Target Organ Toxicity - - Repeated exposure - no specific test data available - no evidence for hazardous properties - (structure-activity-relationships) (analogy)
General information - The product has not been tested toxicologically. When handled and used as directed the product will not cause hazardous effects to health according to studies on similar products and practical experience. The fine particles contained in the product may cause mechanical irritations of the skin, eyes and mucous membranes. Avoid skin and eye contact and inhalation of product dust/aerosols.

12. Ecological information

12.1. Toxicity

Hazardous to the aquatic environment - no specific test data available, no evidence for hazardous properties. (structure-activity-relationships) (analogy)

12.2. Persistence and degradability - Persistence and degradability no specific test data available, no evidence for hazardous properties (structure-activity-relationships) (analogy)

12.3. Bioaccumulative potential - Bioaccumulation no specific test data available, no evidence for hazardous properties (structure-activity-relationships) (analogy)

12.4. Mobility in soil - Mobility no specific test data available, no evidence for hazardous properties (structure-activity-relationships) (analogy)

12.5. Results of PBT and vPvB assessment - PBT and vPvB assessment PBT: no vPvB: no

12.6. Other adverse effects - General Information The product has not been tested ecotoxicologically. On the basis of the products consistency as well as its low water solubility a bioavailability is unlikely. Studies on products with similar composition confirm this assumption. Prevent substance from entering soil, natural bodies of water and sewer systems.

13. Disposal considerations

13.1. Waste treatment methods - Product Waste must be disposed of in accordance with federal, state and local regulations. Incineration is the preferred method. CYRO encourages the

recycle, recovery and reuse of materials, where permitted, as an alternate to disposal as a waste.

Uncleaned packaging - Contaminated packaging should ideally be emptied; it can then be recycled after having been decontaminated. Packaging that cannot be cleaned should be disposed of professionally. Uncontaminated packaging may be taken for recycling.

14. Transport information

US DOT Hazard Classification

Not subject to the regulations on dangerous goods.

Canadian TDG Classification

Not subject to the regulations on dangerous goods.

Shipment by sea IMDG/GGVSee

Not dangerous according to transport regulations.

Air transport ICAO/IATA

Not dangerous according to transport regulations.

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

INVENTORY INFORMATION

REACH (EU) - preregistered, registered or exempted

TSCA (USA) - listed or exempted

DSL (CDN) - listed or exempted

US FEDERAL REGULATORY INFORMATION

| Component / CASRN | TPQ [lbs] | CERCLA RQ Lbs (40CFR302.4) | SARA 302 List of EHS | SARA 313 (40CFR372) | TSCA 12b |
|-------------------|-----------|----------------------------|----------------------|---------------------|----------|
| | | | | | |

COMPONENT CLASSIFICATION UNDER CLEAN AIR ACT SECTION 112

Component / CASRN Weight % HAP EHAP

NONE

PRODUCT CLASSIFICATION UNDER SECTION 311/312 OF SARA (40CFR370)

NONE

US STATE REGULATORY INFORMATION

| Component / CASRN | New Jersey RTK | Pennsylvania RTK | Massachusetts RTK | California Proposition 65 Cancer | California Proposition 65 Reproductive |
|----------------------------------|----------------|------------------|-------------------|----------------------------------|--|
| acrylic copolymer / trade secret | NO | NO | NO | NO | NO |

This product contains (a) chemical (s) known to the State of California to cause cancer and birth defects or other reproductive harm.

CANADIAN REGULATION

This product has been classified in accordance with the hazard criteria of the Cont rolled Products Regulation and the MSDS contains all information required by the Controlled Products Regulations.

This is a non-controlled product.

WHMIS:NO

Component / CASRN NPRI

NONE

16. Other information

Revision Date: 8/25/2017

| | Health | Flammability | Physical Hazard |
|--------------|--------|--------------|-----------------|
| HMIS-Ratings | 0 | 1 | 0 |
| NFPA-Ratings | 0 | 1 | 0 |

HMIS Hazard Ratings

4 = severe

3 = serious

2 = moderate

1 = slight

0 = minimal

N = no rating for powders

* = chronic health hazard

NFPA Hazard Ratings

4 = extreme

3 = high

2 = moderate

1 = slight

0 = insignificant

N = no rating for powders

Other information none