1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier
Product Description: POLYLITE® HS 35051-00

Other means of identification
SAP ID(s): 195986; 195987; 201676; 202639
Material Code: 35051-00
Chemical Family: Vinyl Hybrid
Document: 13

Recommended use of the chemical and restrictions on use
Recommended Use: Transportation
Automotive

Uses advised against
No information available

Details of the supplier of the safety data sheet
Manufacturer/Supplier:
Polynt Composites USA, Inc.
99 East Cottage Avenue
Carpentersville IL 60110

In Canada
Polynt Composites Canada Inc
29 Regan Road
Brampton, Ontario
L7A 1B2

Emergency Telephone
Chemtrec: 1-800-424-9300 (in U.S. & Canada)
+1-703-741-5970 (international)

E-mail address
MSDS@polynt.com

2. HAZARDS IDENTIFICATION

Classification
OSHA Regulatory Status
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral Category 4
Acute toxicity - Dermal Category 4
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A

Label elements
Emergency Overview

Warning

Hazard statements
Harmful if swallowed
Harmful in contact with skin
Causes skin irritation
Causes serious eye irritation
Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water
Call a POISON CENTER or doctor/physician if you feel unwell
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)
Not applicable

Other Information
Harmful to aquatic life
Unknown acute toxicity 98.7 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight-%</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methacrylic Acid</td>
<td>79-41-4</td>
<td>&lt; 3</td>
<td></td>
</tr>
</tbody>
</table>

If CAS number is “proprietary”, the specific chemical identity has been withheld as a trade secret.

4. FIRST AID MEASURES

First Aid Measures

Eye Contact
Move individual away from exposure. Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

Skin Contact
Wash off immediately with soap and plenty of water. Take off contaminated clothing and wash before reuse. Get medical attention if irritation develops and persists.

Inhalation
Remove person to fresh air. If signs/symptoms continue, get medical attention.

Ingestion
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention/advice.

Most important symptoms and effects, both acute and delayed
5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Carbon dioxide (CO2), Foam, Dry chemical, Water spray

Unsuitable Extinguishing Media
Water or foam may cause frothing.

Specific hazards arising from the chemical

Hazardous combustion products
Carbon monoxide, Carbon dioxide (CO2)

Combustion/explosion hazards
Closed containers may rupture when exposed to extreme heat.

Protective Equipment and Precautions for Firefighters
Wear self-contained breathing apparatus (SCBA) and full fire-fighting protective clothing. Thoroughly decontaminate all protective equipment after use. Evacuate all persons from the fire area to a safe location. Move non-burning material, as feasible, to a safe location as soon as possible. Fire fighters should be protected from potential explosion hazard while extinguishing the blaze. Use water spray to cool fire-exposed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions
Use personal protective equipment as required. Ensure adequate ventilation. Keep people away from and upwind of spill/leak.

Environmental precautions

Environmental precautions
Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Methods and material for containment and cleaning up

Methods for Containment
Prevent spilled material from 1) contaminating soil, 2) entering sanitary sewers, storm sewers, and drainage systems, and 3) entering bodies of water or ditches that lead to waterways. Prevent spreading over a wide area (e.g. by containment or oil barriers).

Methods for Clean-up
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Precautions for safe handling

Handling
Avoid breathing vapors or mists. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse. Wash hands before breaks and immediately after handling the product. Ensure adequate ventilation.

Conditions for safe storage, including any incompatibilities

Storage
Keep container tightly closed. Keep in a dry place.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits

Methacrylic Acid (CAS #: 79-41-4)

ACGIH TLV
Canada - Alberta OELs
Canada - Ontario OELs
Canada - British Columbia OELs

20 ppm TWA
20 ppm TWA
20 ppm TWA
20 ppm TWA

Legend
ACGIH (American Conference of Governmental Industrial Hygienists)
TLV® (Threshold Limit Value)
TWA (time-weighted average)
OEL - Occupational Exposure Limit

Appropriate engineering controls

Engineering Controls
Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapors. Good general ventilation should be sufficient to control airborne levels of irritating vapors.

Individual protection measures, such as personal protective equipment

Eye/face Protection
Safety glasses with side-shields. If splashes are likely to occur:. Tight sealing safety goggles. Ensure that eyewash stations and safety showers are close to the workstation location.

Skin Protection
Gloves made of nitrile rubber. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Impervious clothing.

Respiratory Protection
No personal respiratory protective equipment normally required. Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapors. In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Light yellow

Odor
Mild Odorless

Odor threshold
No information available

Physical State
Viscous liquid

pH
No information available

Flash point
> 93°C > 93 °C / > 200 °F

Flash Point Method:
Seta closed cup

Autoignition Temperature
No information available

Boiling point / boiling range
No information available

Melting point / freezing point
No information available

Flammability Limit in Air
Lower
Not applicable

Upper
Not applicable

Specific Gravity
1.08 - 1.12 @ 25°C

Solubility
Insoluble (Water)

Evaporation rate
No information available

Vapor Pressure
No information available

Vapor density
No information available

Explosive properties
No information available
10. STABILITY AND REACTIVITY

Reactivity
Not applicable.

Chemical Stability
Stable under normal conditions.

Possibility of Hazardous Reactions

Hazardous polymerization
Hazardous polymerization does not occur.

Conditions to Avoid
Contamination by those materials referred to under Incompatible materials.

Incompatible materials
Incompatible with oxidizing agents.

Hazardous decomposition products
Carbon monoxide. Carbon dioxide (CO2). Hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Primary Routes of Entry
Skin Contact, Ingestion, Inhalation, Eye contact

Acute toxicity
No known effect

Methacrylic Acid
Oral LD50 = 1060 mg/kg (Rat)
Dermal LD50 = 500 mg/kg (Rabbit)
Inhalation LC50 7.1 mg/L (Rat) 4 h

Information on toxicological effects

Symptoms
No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Eyes
Causes serious eye irritation.

Skin
Harmful in contact with skin. Contact causes skin irritation. Repeated exposure may cause skin dryness or cracking.

Inhalation
Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

Ingestion
Harmful if swallowed. Ingestion (swallowing) may irritate the mouth, throat and stomach. Ingestion is not an anticipated route of exposure for this material in industrial use.

Corrosivity
Not corrosive.

Sensitization
Not sensitizing.

Mutagenic effects
No information available.
Carcinogenicity

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Legend

OSHA - Occupational Safety and Health Administration
NTP - National Toxicology Program
IARC - International Agency for Research on Cancer

Reproductive Toxicity

No information available.

Neurological effects

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Target organ effects

None known.

Aspiration hazard

No information available.

Unknown acute toxicity

98.7% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document.

| ATEmix (oral) | 585 mg/kg |
| ATEmix (dermal) | 1288 mg/kg |
| ATEmix (inhalation-dust/mist) | 2740 |
| ATEmix (inhalation-vapor) | 34 mg/L |

12. ECOLOGICAL INFORMATION

Ecotoxicity

Methacrylic Acid

Partition coefficient 0.93

Algae EC50 > 110 mg/l selenastrum capricornutum, OECD 201, 72 h

Fish LC50 > 79 mg/l Oncorhynchus mykiss, OECD 203, 96 h

Persistence/Degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal Considerations

NOT A RCRA HAZARDOUS WASTE: When discarded in its purchased form, this material would not be regulated as a RCRA Hazardous waste under 40 CFR 261.

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.
14. TRANSPORT INFORMATION

**DOT**
Proper shipping name: NOT REGULATED

**TDG**
Proper shipping name: NOT REGULATED

**MEX**
Proper shipping name: NOT REGULATED

**IATA**
Proper shipping name: NOT REGULATED

**IMDG/IMO**
Proper shipping name: NOT REGULATED

15. REGULATORY INFORMATION

**International Inventories**

**TSCA Inventory Status:**
All components of this material are listed on the US Toxic Substances Control Act (TSCA) inventory.

**Canadian Inventory Status:**
All components of this material are listed on the Canadian Domestic Substances List (DSL)

**Australian Inventory Status:**
This product contains one or more chemicals currently not on the Australian Inventory of Chemical Substances

**Korean Inventory Status:**
This product contains one or more chemicals currently not on the Korean Chemical Substances List

**Philippine Inventory:**
This product contains one or more chemicals currently not on the Philippine Inventory of Chemicals and Chemical Substances

**Japan ENCS:**
This product contains one or more chemicals currently not on the Japanese Inventory of Existing and New Chemical Substances

**Chinese IECS:**
This product contains only chemicals that are currently listed on the Chinese Inventory of Existing Chemical Substances

**New Zealand Inventory:**
This product contains one or more chemicals currently not on the New Zealand Inventory of Chemicals

**US Federal Regulations**

**TSCA 12(b) - Export Notification:**
This material does not contain any components that are subject to the US Toxic Substances Control Act (TSCA) Section 12(b) Export Notification requirements.

**SARA 313**
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**EPCRA: Emergency Planning and Community Right-to-Know Act**
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**CWA (Clean Water Act)**
This product does not contain any listed substances

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**
This product does not contain any HAPs.

**CERCLA**
This product does not contain components that have been assigned reportable quantities.

**Chemical Weapons Convention (CWC)**
This product does not contain any listed substances.

**State Regulations**

**California Proposition 65**
WARNING: This material contains a chemical known to the State of California to cause birth defects or other reproductive harm. The California Safe Drinking Water and Toxic Enforcement Act of 1986 requires that clear and reasonable warning be given prior to exposing any person to this chemical.

**Canada**
This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

### 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA Rating</th>
<th>Health</th>
<th>Flammability</th>
<th>Instability</th>
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<tr>
<td></td>
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</table>

**Prepared By**
Polynt Regulatory Department

**Revision Date**
28/Dec/2017

**Revision Note**
None

**Former date**
New

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End of Safety Data Sheet