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

Product identifier
Product Description: POLYLITE® HS 35000-00

Other means of identification
SAP ID(s): 195512 ; 195513
Material Code: 35000-00
Previous Name: DION® VINYL HYBRID 35000-00
Chemical Family Vinyl Hybrid

Recommended use of the chemical and restrictions on use
Recommended Use Prepreg
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
Acute toxicity - Inhalation (Vapors) Category 4
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A

Label elements
Warning

Hazard statements
Harmful if swallowed
Harmful in contact with skin
Harmful if inhaled
Causes skin irritation
Causes serious eye irritation

Emergency Overview

Page 1 / 8
Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Avoid breathing vapor or mist
Use only outdoors or in a well-ventilated area
Wear protective gloves/protective clothing/eye protection/face protection

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 water and soap
Call a POISON CENTER or doctor if you feel unwell
Take off contaminated clothing and wash it before reuse
If skin irritation occurs: Get medical advice/attention
IF INHALED: Remove person to fresh air and keep comfortable for breathing
Call a POISON CENTER or doctor if you feel unwell
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell
Rinse mouth

Precautionary Statements - Disposal
Dispose of contents/container to industrial incineration plant
Dispose of in accordance with federal, state and local regulations

Hazards not otherwise classified (HNOC)
Not applicable

Other Information
None known

Unknown acute toxicity 98.5 % of the mixture consists of ingredient(s) of unknown toxicity
Unknown aquatic toxicity 98.6 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

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>1 - 2</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

Most Important Symptoms and Effects

Irritating to eyes and skin.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide (CO2), Foam, Dry chemical, Water spray

Unsuitable Extinguishing Media

No information available.

Specific hazards arising from the chemical

Hazardous combustion products

Carbon monoxide, Carbon dioxide (CO2)

Combustion/explosion hazards

This material may polymerize (react) when its container is exposed to heat (as during a fire). This polymerization increases pressure inside a closed container and may result in the violent rupture of the container.

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

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)

<table>
<thead>
<tr>
<th>ACGIH TLV</th>
<th>Canada - Alberta OELs</th>
<th>Canada - Ontario OELs</th>
<th>Canada - British Columbia OELs</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 ppm TWA</td>
<td>20 ppm TWA</td>
<td>20 ppm TWA</td>
<td>20 ppm TWA</td>
</tr>
<tr>
<td>70 mg/m³ TWA</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

TLV® (Threshold Limit Value)

TWA (time-weighted average)

OEL - Occupational Exposure Limit

Appropriate 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Light yellow</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild Odorless</td>
</tr>
<tr>
<td>Odor threshold</td>
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</tr>
<tr>
<td>Physical State</td>
<td>Viscous liquid</td>
</tr>
<tr>
<td>pH</td>
<td>No information available</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 93°C</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>No information available</td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability Limit in Air Lower</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability Limit in Air Upper</td>
<td>No information available</td>
</tr>
</tbody>
</table>
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
Oxidizing Properties: No information available
Percent Volatile: 1 - 1.5% by weight
VOC Content: 17 g/l (calculated) product as supplied
Viscosity: No information available
Partition coefficient: No information available
Decomposition temperature: No information available

10. STABILITY AND REACTIVITY

Reactivity
No dangerous reaction known under conditions of normal use.

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
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.

**Irritation**
Irritating to eyes and skin.

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

**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**
Eyes, Skin.

**Aspiration hazard**
No information available.

**Unknown acute toxicity**
98.5% 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) | 615 mg/kg |
| ATEmix (dermal) | 1353 mg/kg mg/L |
| ATEmix (inhalation-vapor) | 14 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

**Unknown aquatic toxicity**
98.6% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

**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.

US EPA Waste Number

Not applicable.

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 only chemicals which are currently listed on the Australian Inventory of Chemical Substances

Korean Inventory Status: This product contains only chemicals which are currently listed 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 only chemicals which are currently listed 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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</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