SAFETY DATA SHEET
Revision Date 28/Dec/2017

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

Product identifier
Product Description: POLYLITE® HS 35025-00

Other means of identification
SAP ID(s): 201621; 201622; 203998
Material Code: 35025-00
Chemical Family Vinyl Ester Resin

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
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A
Flammable liquids Category 4

Label elements
Emergency Overview

Warning

Hazard statements
Harmful if swallowed
Harmful in contact with skin
Causes skin irritation
Causes serious eye irritation
Combustible liquid
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
Keep away from heat/sparks/open flames/hot surfaces. - No smoking

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
In case of fire: Use CO2, dry chemical, or foam to extinguish

Precautionary Statements - Storage
Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal
Dispose of in accordance with federal, state and local regulations

Hazards not otherwise classified (HNOC)
Not applicable
Other Information
Harmful to aquatic life with long lasting effects

Unknown acute toxicity 98.4 % 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>
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<tbody>
<tr>
<td>Methacrylic Acid</td>
<td>79-41-4</td>
<td>1 - 3</td>
<td>*</td>
</tr>
</tbody>
</table>

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First Aid Measures

Eye Contact
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

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, respiratory system and skin. Harmful by inhalation, in contact with skin and if swallowed.

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
Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Hazardous combustion products
Carbon monoxide, Carbon dioxide (CO2)

Combustion/explosion hazards
Combustible liquid. Closed containers may rupture when exposed to extreme heat. Keep product and empty container away from heat and sources of ignition. Empty containers may retain product residue (liquid and/or vapor). Do not pressurize, cut, weld, braze, solder, drill, grind, or expose these containers to heat, flame, sparks, static electricity, or other sources of ignition as the container may explode and may cause injury or death.

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.

Environmental precautions
Should not be released into the environment. 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. Allow material to solidify, and scrape up.

Methods for Clean-up
Shovel into suitable container for disposal.

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
Contains no substances with occupational exposure limit values.

Methacrylic Acid (CAS #: 79-41-4)
AGIHL TLV 20 ppm TWA
Canada - Alberta OELs 20 ppm TWA
Canada - Ontario OELs 20 ppm TWA
Canada - British Columbia OELs 20 ppm TWA

Appropriate engineering controls

Engineering Controls
Use general ventilation to maintain airborne concentrations to levels that are below regulatory and recommended occupational exposure limits. Local ventilation may be required during certain operations.

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 polyvinyl chloride (PVC). 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.

Respiratory Protection None required if hazards have been assessed and airborne concentrations are maintained below the exposure limits listed in Section 8. Wear an approved air-purifying respirator with organic vapor cartridges and particulate filters where airborne concentrations may exceed exposure limits in Section 8 and/or there is exposure to dust or mists due to sanding, grinding, cutting, or spraying. Use an approved positive-pressure air-supplied respirator with emergency escape provisions if there is any potential for an uncontrolled release, airborne concentrations are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

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>
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<tbody>
<tr>
<td>Appearance</td>
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<tr>
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<tr>
<td>Melting point / freezing point</td>
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<tr>
<td>Flammability Limit in Air Lower</td>
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</tr>
<tr>
<td>Flammability Limit in Air Upper</td>
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<tr>
<td>Specific Gravity</td>
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</tr>
<tr>
<td>Solubility</td>
<td>Insoluble (Water)</td>
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</table>
Evaporation rate: Not applicable
Vapor Pressure: Not applicable
Vapor density: Not applicable
Explosive properties: No information available
Oxidizing Properties: No information available
Percent Volatile: < 0.5 %
VOC Content: 20 g/l (calculated) product as supplied
Viscosity: 1000 - 2000 cps @ 100°C
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

Hazardous decomposition products

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Primary Routes of Entry
Ingestion, Skin Contact, Eye contact

Acute toxicity
No information available

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
Irritating to eyes.

Skin
Irritating to skin. Harmful by skin absorption.

Inhalation
Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract. Inhalation of high vapor concentrations can cause central nervous system depression and narcosis.

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.
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
OSHA - Occupational Safety and Health Administration
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
Eyes, Skin, Central nervous system (CNS), Respiratory system.

Aspiration hazard
No information available.

Unknown acute toxicity
98.4 % 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) | 541 mg/kg |
| ATEmix (dermal) | 1191 mg/kg |
| ATEmix (inhalation-vapor) | 12 mg/L |

12. ECOLOGICAL INFORMATION

Ecotoxicity
Harmful to aquatic life with long lasting effects.

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. Dispose of contents/containers in accordance with local regulations.

Contaminated packaging
Empty containers should be taken for local recycling, recovery or waste disposal. "Empty containers", as defined under 40 CFR 261.7 or other applicable state or provincial regulations or transportation regulations, are not classified as hazardous wastes.

US EPA Waste Number
Not applicable.

14. TRANSPORT INFORMATION

DOT
UN/ID no. NA1993
Proper shipping name COMBUSTIBLE LIQUID, N.O.S.
Technical Name: METHACRYLIC ACID
Hazard Class 3
Packing Group III

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: This material is supplied under the Research and Development Exemption (Section (5)(h)(3)), of the US Toxic Substances Control Act (TSCA). This material contains a component that is NOT listed on the TSCA inventory. It may be used ONLY for research and development purposes.

Canadian Inventory Status: This material contains components that are NOT 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 one or more chemicals currently not 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)

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 Toxics 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>Prepared By</td>
<td>Polynet Regulatory Department</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Revision Date</td>
<td>28/Dec/2017</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Revision Note</td>
<td>None</td>
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</table>

Former date
New

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End of Safety Data Sheet