SAFETY DATA SHEET

Revision Date 21/Dec/2015

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

Product Identifier

Product Description:

LOW HAP CLEAR MARBLE (GT15) GELCOAT

Other means of identification
Material Code: XGS-420003
Chemical Family: Unsaturated polyester

Recommended use of the chemical and restrictions on use
Intended Use: Fibre glass Industry
Uses advised against: No information available

Details of the supplier of the safety data sheet
Manufacturer/supplier: Sogel Inc.
632, Boul. Guimond, Longueuil, (QC)
Canada, J4G 1P8
Tel +1866-928-3883
Fax +450-928-1872

Emergency Telephone: (CANUTEC) 613-996-6666
E-mail address: info@sogel.ca

2. HAZARDS IDENTIFICATION

CLASSIFICATION

OSHA Regulatory Status

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

Skin corrosion/irritation: Category 2
Serious eye damage/eye irritation: Category 2A
Carcinogenicity: Sub-Category 1B
Specific target organ toxicity (single exposure): Category 3
Chronic aquatic toxicity: Category 1
Flammable liquids: Category 3

Label elements

Danger

Hazard Statements
Harmful if inhaled
Causes skin irritation
Causes serious eye irritation
May cause cancer
May cause respiratory irritation
Causes damage to hearing through prolonged or repeated exposure if inhaled
Harmful to aquatic life with long lasting effects
Flammable liquid and vapor

Emergency Overview
Precautionary Statements - Prevention
Obtain special instruction before use
Do not handle until all safety precaution have been read and understood
Use personal protective equipment as required
Use only outdoors or in a well-ventilated area
Wash face, hands and any exposed skin thoroughly after handling
Do not breathe mist, vapors, spray
Do not eat, drink or smoke when using this product
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Keep cool
Avoid release to the environment

Precautionary Statements – Response
If exposed or concerned: Get medical advice/attention
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 (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF INHALED: Remove person to fresh air and keep comfortable for breathing
In case of fire: Use CO2, dry chemical, or foam to extinguish

Precautionary Statements - Storage
Store in a well-ventilated place. Keep container tightly closed

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

Hazards not otherwise classified (HNOC)
Other information
None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>% by weight</th>
<th>Ingredients</th>
<th>CAS #</th>
<th>LD50</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 - 45</td>
<td>Polyester resin</td>
<td>Proprietary</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 - 30</td>
<td>Styrene</td>
<td>100-42-5</td>
<td>Rat (oral): 2650 mg/kg</td>
<td>Rat (inhalation): 12 mg/m³, 4h</td>
</tr>
</tbody>
</table>

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4. FIRST AID MEASURES

First aid measures:

Inhalation: Remove you or the victim to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by trained personnel. GET IMMEDIATE MEDICAL ATTENTION.

Skin contact: As quickly as possible, flush contaminated area with gently flowing water, non-abrasive soap may be used to speed removal of the product. While under running water, remove all contaminated clothing, shoes and leather goods. Wash for at least 20 minutes, until all material has been removed from the skin. Obtain medical attention immediately. Destroy or decontaminate completely clothing.

Eyes contact: Immediately flush affected eye with lukewarm, gently flowing water for at least 15 minutes. Holding eyelids open, until all material has been removed from eye. Obtain medical attention.

Ingestion: DO NOT INDUCE VOMITING. Have victim drink 1-2 glasses of water or milk to dilute material in stomach. Never give anything by mouth if victim is rapidly losing consciousness or is unconscious or convulsing. If vomiting occurs naturally, have victim lean forward to reduce risk of aspirating material into lungs. After vomiting, have victim drink more water. Begin artificial respiration immediately of victim is not breathing. Obtain medical attention immediately.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects inhalation of high vapor concentrations can cause central nervous system depression and narcosis.

Indication of any immediate attention and special treatment needed

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media: In case of fire, use sprays (fog), foam, dry chemical or CO₂. Use foam or all-purpose dry chemicals with the necessary equipment to extinguish.

Fire-fighting procedures: Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Specific hazards arising from the media

Fire-Explosion Hazards: Flammable. Vapour may form explosive mixtures with air. Flash back possible over considerable distance. This material may polymerize (react) when its container is exposed to heat (as during a fire). Empty container 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. Vapours may accumulate in low or confined areas, travel considerable distance to source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. Closed containers may rupture when exposed to extreme heat.

Hazardous combustion products:
Combustion may produce carbon oxides (CO, CO₂) and irritating or toxic vapours and gases like sulphur oxides (SO₂, SO₃).

Precautions for Firefighters

The material is volatile and can produce vapors that may travel along the ground or be moved by ventilation and little catch fire easily by pilot lights, flames, sparks, heaters, smoking, electric motors, static discharge or other ignition sources at locations near the point of handling. Never use welding or cutting torch on nearby drum (even empty) because product (even just residue) can explode. During a fire, irritating or toxic decomposition products may be generated. Wear full firefighter gear turn (full Bunker gear) and respiratory protection (SCBA). Polymerization will take place under fire conditions. If the polymerization occurs in a closed container, there is a possibility that it is broken violently. Cool storage container with water, if exposed to fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:
FOR SMALL SPILLS: Absorb with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use non-sparking (non-metallic) tools to clean up spill. Remove all sources of ignition.
FOR LARGE SPILLS: Eliminate all ignition sources. Immediately contact emergency personnel. Keep unnecessary personal away. Use suitable protective equipment (section 8). Follow all firefighting procedures (section 5).
Do not touch or walk through spilled material.

Environmental precautions
And clean-up methods
If emergency personnel are unavailable contain spilled material. For small spill adds absorbent [soil may be used in the absence of other suitable materials] and use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal to avoid fire risk. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Minimize contact of spilled material with soils to prevent runoff to surface waterways.

7. HANDLING AND STORAGE

Handling:
Use the necessary equipment to avoid contact with skin, eyes and respiratory tract; which means: goggles, glove, overall. Ask to your equipment supplier about the right equipment for handling the product (to avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material). Use explosion-proof electrical (ventilating, lighting and material handling) equipment.

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Storage: Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark of flame).

Packaging materials: Use original container.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Exposure guidelines

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ACGIH TLV</td>
</tr>
<tr>
<td></td>
<td>ACGIH PEL</td>
</tr>
<tr>
<td></td>
<td>ACGIH STEL</td>
</tr>
<tr>
<td>Methyl methacrylate</td>
<td>ACGIH TWA</td>
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<tr>
<td></td>
<td>ACGIH STEL</td>
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<td></td>
<td>NIOSH REL TWA</td>
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<td>NIOSH REL ST</td>
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<td>OSHA Z2 TWA</td>
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<td></td>
<td>OSHA Z2 CEIL</td>
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<tr>
<td></td>
<td>OSHA Z2 Peak</td>
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<tr>
<td></td>
<td>OSHA Z2 STEL</td>
</tr>
<tr>
<td></td>
<td>OSHA P0 STEL</td>
</tr>
<tr>
<td>Styrene</td>
<td></td>
</tr>
<tr>
<td>Silica, amorphous,</td>
<td></td>
</tr>
<tr>
<td>fumed</td>
<td></td>
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</table>

**Personal protective equipment**

**Respiratory system:** Respirator is not needed under normal and intended conditions of use, if exposures are kept below established limits. Respirator selection must be based on known or anticipated exposure levels and the safe working limits of the selected respirator. If necessary be sure to use a MSHA/NIOSH approved respirator or equivalent.

**Skin and body:** Wear appropriate protective clothing to prevent skin contact.

**Hands:** Use chemical resistant, impervious gloves.

**Eyes:** Safety glasses are considered minimum protection.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Clear
Physical State: Liquid
Odor: Pungent
pH: N/A
Boiling point / Boiling range: 146°C/295°F (Styrene)
Melting point / Freezing point: No information available
Flash point: Close cup: 31.1°C/88.0°F (styrene)
Evaporation rate (BuAc=1): 0.49 (styrene)
Specific density (water=1): 1.05 – 1.15 @ 25°C
Vapor pressure: 0.833 kPa @ 25°C/77°F (Styrene)
Vapor density (air = 1): 3.6 (Styrene)
Auto-ignition temperature: 490°C/914°F (Styrene)
Lower explosion limit: 1.1% (styrene)
Upper explosion limit: 6.1% (styrene)
Solubility: Insoluble in water
Partition Coefficient n-octanol/water: No information available
Decomposition temperature: No information available
Viscosity: 3 500 – 3 800 cps @ 25°C

10. STABILITY AND REACTIVITY

Stability: The product is stable at normal temperature and in good storage conditions.
Conditions to avoid: Heat, flames and sparks. Contamination by those materials referred to under incompatible materials.
Incompatible materials: This product reacts with oxidizing agents (peroxide), strong acids, metal salts and polymerization catalysts.
Hazardous decomposition: Heat decomposition may produce hydrocarbons and irritating and toxic gases and vapor.
Products: A dangerous polymerization may occur at temperature higher than 150°F (65°C). Peroxides, strong acids, metal salts and catalysts can also polymerize with the product.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Symptoms: Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.
Primary routes of entry: Eye contact, ingestion, Skin Contact, Skin absorption
Eyes: Causes serious eye irritation.
Skin: Contact causes skin irritation. Prolonged skin contact may defeat the skin and produce dermatitis.
Inhalation: Harmful by inhalation. May cause irritation of respiratory tract. Inhalation of high vapor concentrations can cause central nervous system depression and narcosis.
Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion is not an anticipated route of exposure for this material in industrial use.
Sensitization: Not sensitizing.
Repeated dose toxicity: In humans, styrene may cause a transient decrease in color discrimination and effects on hearing.
Effects of acute exposure: Headache, nausea, dizziness, vomiting, fatigue and weakness.
At higher concentrations: Convulsions, coma and death.
Effects of chronic exposure: Headache, nausea, loss of appetite, general weakness.
Irritancy of product: Styrene can cause moderate eye irritation and low skin irritation. Styrene vapours cause eye irritation and upper respiratory tract irritation.
Carcinogenicity: C.R.I.C.: May be carcinogenic for human (group 2B).
ACGH: Non-classifiable as carcinogenic for human (group A4).

Reproductive toxicity: The data on styrene and methyl methacrylate do not permit a good evaluation of the risk.

Teratogenicity: Embryotoxic and/or fetotoxic effects on animals.

Mutagenicity: The data on styrene do not permit a good evaluation of the risk.

Environmental hazards: No object.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Styrene

Log kow 2.95
Bio concentration factor (BCF) 74

Algae
EC50 = 1.4 mg/L (pseudokirchneriella subcapitata) (72h)
EC50 0.46 – 4.3 mg/L ((pseudokirchneriella subcapitata) (72h)

Fish
LC50 3.24 – 4.99 mg/L (Pimephales promelas) (96h) flow-through
LC50 19.03 – 33.53 mg/L (Lepomis macrochirus) (96h) static
LC50 6.75 – 14.5 mg/L (Pimephales promelas) (96h) static
LC50 58.75 – 95.32 mg/L (Poecilia reticulata) (96) static

Water Flea
EC50 3.3 7.4 mg/L 48 h

Unknown aquatic toxicity

Persistence/Degradability
No information available

Bioaccumulation
No information available

Other adverse effects
No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal Considerations
Hazardous waste can be incinerated, when in compliance with local regulations.

Contaminated packaging
Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

TDG

UN-No UN1866
Proper shipping name RESIN SOLUTION
Hazard Class CLASS 3
Packing Group PG III
NAERG 127

DOT

UN-No UN 1866
Proper shipping Name RESIN SOLUTION
Hazard Class 3
Packing Group III
NAERG 127

MEX

UN-No UN1866
Proper Shipping name RESIN SOLUTION

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15. REGULATORY INFORMATION

Notification status
TSCA (USA) All components of this material are listed on the US Toxic Substance Control Act (TSCA)
DSL (CND) All components of this material are listed on the Canadian Domestic Substance List (DSL)
AICS (AUS) The product contains one or more chemicals currently not on the Australian inventory of Chemical Substances
METI (J) The product contains one or more chemicals currently not on the Japanese inventory of Chemical Substances
ECL (KOR) The product contains one or more chemicals currently not on the Korean Chemical Substances List
PICCS (RP) The product contains one or more chemicals currently not on the Chinese inventory Existing Chemical Substances
IECSC (CN) This material does not contain any components that are subject to the US Toxic Substance Control Act (TSCA) section 12(b) export Notification requirements.

Canadian National Pollutant Release Inventory (NPRI)

STYRENE

US Federal Regulations

TSCA 12(b) – Export Notification

SARA Title III
Section 311/312 Hazard Categories
Acute Health Hazard Yes
Chronic Health Hazard Yes
Reactive Hazard Yes
Fire Hazard Yes
Sudden Release of Pressure Hazard No

EPA Hazardous Air Pollutants (HAPs)
This product contains the following HAPs:

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CLEAR MARBLE GELCOAT GT-15 XGS-420003

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STYRENE
METHYL METHACRYLATE

Canada Environmental Protection Act

This product has been classified in

<table>
<thead>
<tr>
<th></th>
<th>HMIS</th>
<th>NFPA</th>
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</thead>
<tbody>
<tr>
<td>Health</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Flammability</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Physical Hazards</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Specific Hazard</td>
<td></td>
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</tbody>
</table>

16. OTHER INFORMATION

Other information

The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is exceeded, the product may polymerize with heat evolution.

Prepared by

Sogel Inc.
Phone Number: 450-928-3883

Revision date

21/Dec/2015

All information in this document is based on our present knowledge and experiences. We are not taking any responsibility towards the exactitude and completed data. The customer has to decide by him if this product is appropriate to his use.