



INDUSTRIES 3R

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

IDENTITY:

Part Number:

GPO1

Identity:

Glass reinforced thermoset polyester

Description:

Glass reinforced thermoset polyester

SUPPLIER :

Industries 3R Inc.

55, route 116 Ouest

Danville (Québec) J0A 1A0

Tel: 819-839-2793

Fax: 819-839-2797

Recommended use of the product: No further relevant information available

Uses Advised Against: No further relevant information available

SECTION 2. HAZARDS IDENTIFICATION

Classification of the product or mixture :

Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200)

WARNING ! MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN THE AIR (WHEN FABRICATING, MACHINING, ETC.)

Hazard pictograms:



Signal word: WARNING

Hazard-determining components of labeling:

Styrene

Titanium Dioxide

Carbon Black

Hazard statements:

H227: Combustible solid

H316: Causes mild skin irritation

H320: Causes eye irritation

H335: May cause respiratory irritation

Hazards not otherwise classified (HNOC): No further relevant information available.

Precautionary statements:	
Prevention :Fabricating, machining, etc. of this product may produce combustible dust which should be controlled subject to the OSHA standards for particulate exposure.	P202: Do not handle until all safety precautions have been read and understood. P210: Keep away from heat/sparks/open flames. – No smoking P241: Use explosion proof electrical venting/lighting/equipment. P242: Use only non-sparking tools. P305 + P351 + P338: If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P243: Take precautionary measures against static discharge. P261: Avoid breathing dust. P261: If on skin: Wash skin thoroughly with soapy water after handling P280: Wear protective gloves/eye protection/face protection

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures

Description:

A mixture of substances are used to manufacture this product, items listed below are considered hazardous per Federal, State, or Local regulations. **There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and do not require reporting in this section.**

Composition:		
CAS: 100-42-5	Styrene	24.40%
CAS: 1333-86-4	Carbon Black	0.02%
CAS: 13463-67-7	Titanium Dioxide	1.19%

SECTION 4. FIRST AID MEASURES

Description of first aid measures (when fabricating, machining, etc.):

Eye contact :

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

After inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact:

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion:

Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms and effects, both acute and delayed:

No further relevant information available.

Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing media: Do not use water jet.

Special hazards arising from the substance: No further relevant information available.

Special protective actions for fire-fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Keep away from ignition sources. Use respiratory protective device against dust. Wear protective clothing.

Environmental precautions:

Avoid dispersal of dust into the air. Do not allow to enter sewers/surface or ground water.

Methods for material containment and cleaning up:

Clean up with soft bristle broom(s) or a vacuum approved for a Class II Hazardous Location. Dust deposits should be maintained to a minimum on surfaces, as these could form an explosive mixture if they are released into the atmosphere in sufficient concentrations. Cleaning dust surfaces with compressed air in the presence of ignition sources should not be allowed.

SECTION 7. HANDLING AND STORAGE

Precautions to be taken in case material is released or spilled: No further relevant information available.

Waste disposal method: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable USA and EU laws and regulations, and product characteristics at time of disposal.

Precautions to be taken when handling and storing: Do not allow to come into contact with open flame.

Information about storage in one common storage facility: No further relevant information available.

Further information about storage conditions: No further relevant information available.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Inert or nuisance dust: Fabricating, machining, etc. may produce dust, which should be controlled subject to the OSHA standards for particulate exposure

Components with limit values that require monitoring at the workplace:

OSHA PEL	TWA: 15.0 mg/m ³ (total dust) TWA: 5.0 mg/m ³ (respirable dust)
ACGIH TLV	TWA: 5.0 mg/m ³ (inhalable fraction) TWA: 1 fiber/cm ³ (respirable fraction)
Other Limits Recommended	No further relevant information available

Appropriate engineering controls (when fabricating, machining, etc.):

Good personal hygiene practices should be followed. Avoid excessive dust accumulation and control ignition sources. Where appropriate, employ grounding, venting, and explosion relief provisions in accordance with accepted engineering practices in processes capable of generating dust and/or static electricity.

Personal protective equipment:

Appropriate engineering controls:

Local exhaust (when fabricating, machining, etc).

Mechanical (when fabricating, machining, etc).

Breathing equipment:

N95 dust mask or filter cartridge (when fabricating, machining, etc.)

Protective gloves:

May be desirable protection from abrasion and from machining dust.

Eye protection:

Protect eyes from flying debris and particulate matter (when fabricating, machining, etc.)

Other protective clothing:

Glass fiber dust is a contact irritant and exposed skin may require protection.

Work/hygienic practices:

Wash hands before breaks and at the end of the day. Practice good housekeeping measures (when fabricating, machining, etc.)

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Product information

General Information

Appearance	Varies
Form	Solid
Color	According to product specifications
Odor	Possible sweet odor
Odor threshold	Not available
pH-Value	Not available
Melting point/Melting range	Not available
Boiling point/Boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability	Not available
Auto/Self-ignition temperature	Not available
Decomposition temperature	Not available
Self-igniting	Product is not self-igniting
Danger of explosion	Finished product does not present an explosion hazard
<i>Explosion limits</i>	
Upper explosive limit	Not available
Lower explosive limit	Not available
Vapor pressure (mm HG)	Not available
Density at 20°C	Not available
Relative density	Not available
Vapor density (Air=1)	Not available
Specific gravity (H2O=1)	1.8
Viscosity	Not available
Other information	No further relevant information available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	Not reactive.
Chemical stability:	Stable under ordinary conditions or use and storage.
Conditions to avoid	Possibility of hazardous reactions: No further relevant information available. Material as supplied is not explosive. Avoid suspending dust in the air during fabrication and machining. Ground all equipment to avoid static discharge. Use only intrinsically safe equipment to vacuum up any collections of dust. Suspended dust may be combustible.

Incompatible materials None
Hazardous decomposition
products: Not when stored and handled in accordance with section 7.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Primary irritant effect:

In the eyes: Not toxic. Possible irritation to eyes from dust produced when fabricating, machining, etc.

On the skin: Not toxic. Possible irritation to eyes from dust produced when fabricating, machining, etc.

Respiratory tract: Not toxic. Possible irritation to eyes from dust produced when fabricating, machining, etc.

Additional toxicological information: Carcinogenic

IARC

CAS: 100-42-5	Styrene
CAS: 1333-86-4	Carbon Black
CAS: 13463-67-7	Titanium Dioxide

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Other adverse effects: No further relevant information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Recommendation: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable USA and EU laws and regulations, and product characteristics at time of disposal.

SECTION 14. TRANSPORT INFORMATION

Regulation:

DOT, IATA, IMDG: Non-hazardous material

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulation/ legislation specific for the substance or mixture

SARA / Section 355 (extremely hazardous substances)

None of the ingredients are listed

SARA / Section 313 (Specific toxic chemical listings):

CAS : 100-42-5 Styrene

Proposition 65

Chemicals known in the State of CA to cause cancer:

CAS : 100-42-5

CAS : 1333-86-4

CAS : 13463-67-7

Styrene

Carbon Black

Titanium Dioxide

TSCA

None of the Ingredients is listed

Carcinogenic Categories

EPA

None of the ingredients is listed

TLV ACIGH (for nuisance dust created when fabricating, machining, etc.

TWA : 5.0 mg/m³ (inhalable fraction)

TWA : 1 fiber/cm³ (respirable fraction).

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

NIOSH

None of the ingredients are listed

Other regulations, limitations, and prohibitive regulations

REACH/SVHC, RoHS III, Conflict Minerals

NJ Right to Know

SECTION 16. OTHER INFORMATION

Definitions:

OSHA: Occupational Safety and Health Administration

CAS: Chemical Abstract Service

TLV: Threshold Limit Values

TWA: Time Weighted Average

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association

PEL: Permissible Exposure Limit

DOT: Department of Transportation

EU: European Union

RoHS: Restriction of Hazardous Substances

SHVC: Substance of Very High Concern

REACH: Registration, Evaluation, Authorization and Restriction of Chemicals.

ACGIH: American Conference of Governmental Industrial Hygienists

IMDG: International Maritime Dangerous Goods

NIOSH: National Institute for Occupational Safety and Health

DISCLAIMER – The information provided in this form and the data security are based on data provided by our current suppliers. Although the information and recommendations in this document are believed to be accurate, Industries 3R makes no warranties in this regard and assumes no liability based on it. We recommend testing according to local conditions. Specifications are subject to change without notice.

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