Safety Data Sheet

Plexiglas® G Acrylic Sheet

1. Product details

Usage:	Plastic sheet products
Chemical characterization:	>= 98% Acrylic copolymers <5% Octadecanoic acid <2% Methyl Methacrylate

2. Hazards identification

This material is classified as not hazardous under OSHA regulations. Under normal conditions of use, this product is not expected to create any unusual industrial hazards. Irritating gases/fumes may be given off during burning or thermal decomposition. Contact with hot material will cause thermal burns.

3. First aid measures

Inhalation:	Move subject to fresh air.
Skin contact:	If molten material contacts skin, cool rapidly with cold water and obtain medical attention for thermal burn.
Eye contact:	Flush eyes with plenty of water for at least 15 minutes. Call a physician.
Ingestion:	If swallowed, do not induce vomiting. Get medical attention.

4. Fire – fighting measures

Suitable extinguishing measures:	Carbon dioxide, dry chemical, foam, water spray.
Protective equipment:	Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear and self-contained breathing apparatus.
Fire and explosion hazards:	Heated material can form flammable vapors with air. When burned, the following hazardous products of combustion can occur: carbon oxides, hazardous organic compounds

5. Accidental release measures

Personal precaution, environmental precaution, and methods for cleaning up:	Pick up transfer to properly labelled containers. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

6. Handling and storage

Handling:	Avoid breathing dust. Avoid breathing processing fumes or vapors. Handle in accordance with good industrial hygiene and safety practices.

Storage:	Avoid extreme temperatures. Keep in a cool, dry place. Store away from sources of heat and light.

7. Exposure control

Airborne Exposure Guidelines
Octadecanoic acid (57-11-4)
US ACGIH Threshold limit values

Time weighted average	10 mg/m3

Methyl methacrylate (80-62-6)
US. ACGIH Threshold Limit Values

Time weighted average	50 ppm
Short Term Exposure Limit (STEL):	100 ppm
PEL:	100 ppm (410 mg/m3)

8. Physical and chemical properties

Physical state:	Solid sheets
Color:	Colorless
Odor:	Odorless
pH:	Not applicable
Melting point:	No data available
Boiling point:	No data available
Decomposition temperature:	>572°F (>300°C)
Flash point:	Not applicable
Auto-ignition temperature:	860°F (460°C)
Evaporation rate:	Not applicable
Vapor pressure:	Not applicable
Vapor density:	Not applicable
Relative density:	1.19 kg/m3 (73 °F (23 °C))
Solubility:	Insoluble

9. Stability and reactivity

Stability:	This material is chemically stable under normal and anticipated storage, handling, and processing conditions.
Hazardous reactions:	None known.
Materials to avoid:	None under normal conditions of use.

Hazardous decomposition products:	Thermal decomposition giving flammable and toxic products: carbon oxides, acrylates, methacrylate.
Conditions to avoid:	Avoid flames, welding arcs, potential ignition sources, or other high temperature sources which induce thermal decomposition.

10. Toxicological information

This product should not be harmful under normal conditions of use.

Inhalation:	4 h acute toxicity estimate > 40 mg/l
Skin contact:	Not a skin sensitizer. Buehler Test (guinea pig). No skin allergy was observed.
Ingestion:	Unlikely to be harmful by ingestion under ambient temperature.
Eye contact:	This product in the form of dust can be irritating to the eyes. At high temperature, products of thermal decomposition can be irritating to the eyes.

11. Ecological information

This product is a solid, inert product with low volatility, and is essentially insoluble in water.

Ecotoxicity:	This product should have low toxicity to aquatic and terrestrial organisms.
Mobility:	Due to the solid nature of this product, it should have low mobility in soil.
Persistence & degradability:	This product is non-biodegradable.
Bioaccumulation:	This solid product has a low potential for bioaccumulation.
Effect in sewage plants:	May be separated mechanically.

12. Disposal considerations

Where possible recycling is preferred to disposal or incineration. If recycling is not an option, incinerate or dispose of in accordance with federal, state, and local regulations. Pigmented, filled and/or solvent laden product may require special disposal practices in accordance with federal, state and local regulations. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental

permits. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

13. Transport information

Not subject to national and international regulations on the transport of dangerous goods.

14. Regulatory information

Canadian Domestic Substances List	All components of this product are on the Canadian DSL.
Toxic Substances Control Act:	The components of this product are all on active TSCA Inventory.
China Inventory of Existing Chemical Substances in China:	Does not conform
Japan Existing and New Chemical Substances Inventory	Does not conform
Korean Existing Chemicals Inventory	Does not conform
Philippines Inventory of Chemicals and Chemical Substances	Does not conform
Australia Inventory of Chemical Substances	Does not conform
United States Federal Regulations	
SARA Title III Section 302 Extremely Hazardous Chemicals	The components in this product are either not SARA Section 302 regulated or regulated but present in negligible concentrations.
SARA Title III - Section 311/312 Hazard Categories:	No SARA Hazards
SARA Title III – Section 313 Toxic Chemicals:	Methyl methacrylate CAS 80-62-6 Reportable threshold: 25000 lbs (manufacturing) 10000 lbs (otherwise used)

15. Other information

Full text of H-Statements referred to under sections 2 and 3.
H225 Highly flammable liquid and vapor.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

The information presented herein is believed to be factual and reliable. It is offered in good faith, but without guarantee, since conditions and methods for the use of our products are beyond our control. We recommend that the prospective user

Grades: This SDS covers TS, P-95, and DP-95 grades of this product.

SDS Prepared by: A&C Plastics