

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: 3form Chroma

Manufacturer/Supplier:
3form, Salt Lake City, UT 84119

MSDS Prepared by: 3form Technical Support and Product Development, 3form, Salt Lake City, UT 84119

For Emergency Health, Safety, and Environmental Information or Other Information, 3form
Call 800-726-0126 or 801-649-2500

Chemical Name: Poly (Methyl Methacrylate)

Product Use: Plastic sheet for flat and curved glazing and decorative interior applications

2. COMPOSITE/INFORMATION ON INGREDIENTS (Typical composition given. Composition may vary slightly.)

<u>Weight %</u>	<u>Component</u>
100%	Poly (Methyl Methacrylate) (CAS# 9011-14-7)

3. HAZARDOUS IDENTIFICATION

CAUTION! HOT MATERIAL WILL PRODUCE THERMAL BURNS

0 = minimal 1 = slight 2 = moderate 3 = serious 4 = severe

HMIS Hazard Ratings:
Health = 0
Flammability = 1
Chemical Reactivity = 0

NFPA Hazard Ratings:
Health = 1
Flammability = 1
Instability = 0

HMIS and NFPA ratings may vary from company to company.

4. FIRST-AID MEASURES

Inhalation: Inhalation or contact with monomer vapors from heated product. May cause irritation of the upper respiratory passages; nonspecific discomfort, such as nausea, headache or weakness; temporary lung irritation, effects with cough, discomfort, difficulty breathing, or shortness of breath.

Eyes: Remove contact lenses at once. Vapors may cause irritation or burning of the eyes and permanent eye injury. In case of contact immediately flush eyes with plenty of water.

Skin: In case of contact with vapors from heated product, immediately wash skin with soap and water. Wash contaminated clothing before use.

Ingestion: Since this material is not expected to be an ingestion problem, no first aid procedures are required.

5. FIRE FIGHTING MEASURES

Extinguishing Media: water spray, Carbon Dioxide, Dry Chemical

Special Fire-fighting Procedures: Wear full protective equipment, including self-contained breathing apparatus. Fight fire from a distance.

Hazardous Combustion Products: methyl methacrylate, carbon monoxide, traces of hydrocarbon fragments, black smoke

Unusual Fire and Expulsion Hazards: Product is a combustible thermoplastic. Burns vigorously with intense heat.

6. ACCIDENTAL RELEASE MEASURES

Sweep up saw dust and place in a container for salvage or disposal.

7. HANDLING AND STORAGE

Personal Precautionary Measures: No special precautionary measures should be needed under anticipated conditions of use.

Prevention of Fire and Explosion: Keep from contact with oxidizing materials. Minimize dust generation and accumulation.

Storage: Store sheets in the horizontal position in a cool and dry environment.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls: A continuous supply of fresh air to the workplace, together with removal of processing fumes through exhaust systems is recommended

Eye/face: Wear safety glasses with side shields when cutting the sheet.

Respiratory: Good industrial hygiene practice requires adequate general ventilation of the workplace. When dust and powder from secondary operations, such as grinding, sanding or sawing are not adequately controlled, use respirator approved for protection from dust.

Hands: Wear protective gloves when handling the sheet, as the edges may be sharp.

Recommended Decontamination Facilities: eye bath, washing facilities

9. PHYSICAL AND CHEMICAL PROPERTIES°

Physical form: Solid

Appearance: Solid Plastic

Color: Tint

Odor: None

pH: N/A

Boiling Point: N/A

Solubility in Water: Negligible

Specific Gravity: 1.19

Vapor pressure: N/A

Vapor density: N/A

Auto ignition Temperature: 860° F

10. STABILITY AND REACTIVITY

Stability: This material is stable.

Conditions to avoid: Temperatures over 500° F

Incompatibility: Strong organic solvents, strong acids, bases or oxidizing agents.

Hazardous Decomposition Products: Methyl Methacrylate, carbon monoxide, smoke.

11. TOXICOLOGICAL INFORMATION

Product

Acute oral: Oral LD50 (rat) > 5g/kg, estimated

12. ECOLOGICAL INFORMATION

Not expected to present any significant ecological problems

13. DISPOSAL CONSIDERATIONS

Waste Disposal: This product is not regarded as hazardous waste. Dispose in accordance with local regulations.

Recycling: This product may be recycled either back into sheet, or into other suitable applications. Please contact 3form for advice.

14. TRANSPORT INFORMATION

Technical Shipping Name: Polycarbonate Multi-Wall Sheets

Freight Class Bulk: Plastic Sheets

Material is considered Non-Regulated by all of the following:

DOT (Domestic Surface)

IMO/IMDG Code (Ocean)

ICAO/IATA (Air)

15. REGULATORY INFORMATION

This product is not considered dangerous under EC Directives 67/548/EEC and 88/379/EEC, as amended

This MSDS has been prepared in accordance with EU Directive 91/155/EEC, as amended by 93/112/EC.

16. OTHER INFORMATION

This publication provides information and guidelines for safe handling and cutting of

3form's sheet and is based on currently available experience and knowledge. It is not designed as a comprehensive product performance data sheet, nor as a guide to application possibilities of our materials.

Users should follow all applicable local regulations governing Health and Safety at work, and are requested to pass this publication on to all relevant employees and customers.
