

**SAFETY DATA SHEET**  
**HMR Polycarbonate Sheet**

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

Trade Name: HMR Polycarbonate Sheet

Other Name(s): Thermoplastic polymer

Usage: Plastic sheet products

Supplier: Plaskolite, LLC.  
1770 Joyce Avenue, Columbus, Ohio 43219, USA  
Telephone: 614-294-3281  
www.plaskolite.com

Emergency Telephone: 614-294-3281

**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. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Characterization: >99% Poly (bisphenol-A-carbonate) [CASRN 111211-39-3]  
<1% HMR Coating

**4. FIRST AID MEASURES**

Inhalation: Provide fresh air. Put victim at rest and keep warm. Seek medical attention.

Skin Contact: Possible skin irritation. Contact with molten material can result in burns. Do not attempt to remove molten product, or molten product that has cooled, from skin without medical assistance. After contact with molten product, cool skin area rapidly with cold water. Consult physician.

Eye Contact: Possible eye irritation. Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist in the event of irritation.

Ingestion: Rinse mouth with water. Drink one or two glasses of water. Never give an unconscious person anything through the mouth. Seek medical attention.

**5. FIRE-FIGHTING MEASURES**

Suitable Extinguishing Media: Water fog and foam are recommended.

Specific Fire Hazards: Toxic and irritating gases/fumes (carbon monoxide and CO<sub>2</sub>) may be given off during burning or thermal decomposition. In case of dust (fine dust), there is the danger of dust explosion.

Special Protective Equipment & Precaution for Fire Fighters: Wear a self-contained breathing apparatus and chemical protective clothing.

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**6. ACCIDENTAL RELEASE MEASURES**

General Precaution                      Sweep or gather up material and place in proper container for disposal or recovery.

**7. HANDLING AND STORAGE**

Handling:                                      Follow good standard industrial hygiene practices. Apply adequate ventilation directly to the outside air.

Storage:                                        Inert material under normal storage conditions. No special precautions required. Do not stock unsupported sheet or pallets too high.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Exposure Limits:                            Not applicable

Ventilation Measures:                      Provide good ventilation and/or an exhaust system in the work area.

Respiratory Protection:                    Respiratory protection must be worn whenever the exposure thresholds have been exceeded. Use filter according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

Hand Protection:                            Protective gloves according to OSHA Standard - 29 CFR: 1910.138.

Eye Protection:                              Safety glasses with side shields (ANSI Z87.1 equivalent).

Skin & Body Protection:                    Wear suitable protective clothing and boots.

Other Protective Measures:                Avoid contact of molten material with skin. Do not inhale dust particles or vapors. Keep away from sources of ignition. Wash hands before breaks and after work.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State:                                Solid sheets  
Color:    Clear or colored  
Odor:    Slight or no odor  
pH:    Not applicable  
Melting Point:                                Not available  
Boiling Point:                                 Not available  
Decomposition Temperature:              Not established  
Flash Point:                                    Not applicable  
Auto-ignition Temperature:                1166°F (630°C) approx..  
Explosion Limits:                              Not applicable  
Evaporation Rate:                            Not applicable  
Vapor Pressure:                                Not applicable  
Vapor Density:                                Not applicable  
Relative Density:                              1.05 approx.  
Solubility:                                       Insoluble

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**10. STABILITY AND REACTIVITY**

Stability:	Stable. Hazardous polymerization does not occur.
Conditions to Avoid:	Protect from excessive heat. Keep away from sources of ignition and heat. Avoid dust formation.
Materials to Avoid:	Strong oxidizing agents
Hazardous Decomposition Products:	Thermal decomposition or combustion may emit vapors, carbon monoxide, or carbon dioxide.

**11. TOXICOLOGICAL INFORMATION**

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

Inhalation:	Unlikely to be harmful by inhalation under ambient temperature. At high temperature, products of thermal decomposition can be irritating to the respiratory system.
Skin Contact:	Not a skin sensitizer, and is non-irritating to skin under ambient temperature. At high temperature, contact with the product can cause serious burns.
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.
Carcinogenicity:	Non-carcinogenic

**12. 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.

**13. DISPOSAL CONSIDERATIONS**

Waste disposal should be in accordance with all federal, state and local environmental laws and regulations.

**14. TRANSPORT INFORMATION**

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

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**15. REGULATORY INFORMATION**

OSHA Hazard Communication: Non-hazardous


Toxic Substances Control Act: Listed

CERCLA Hazardous  
Substances (40 CFR 302): None

SARA Section 311/312: Non-hazardous

SARA Section 313 Toxic  
Chemicals (40 CFR 372.65): None

RCRA Hazardous Wastes  
(40 CFR 261): When this product becomes a waste, it is identified as a solid but NOT hazardous waste under RCRA criteria (40 CFR Part 261).

California Proposition 65:  **WARNING:** This product can expose you to chemicals including Bisphenol A, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

California Proposition 65 Safe Harbor Level(s):

Maximum Allowable Dose Level (MADL) for Bisphenol A = 3 ug/day (dermal exposure from solid material)

**16. OTHER INFORMATION**

SDS Prepared By: Plaskolite Environmental, Health & Safety

SDS Original Date of Preparation: January 13, 2014

SDS Revision Date: August 21, 2018

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 determine the suitability of our products and these suggestions before adopting them on a commercial scale.

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