

SAFETY DATA SHEET
High Density Polyethylene (HDPE) Sheet

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

Trade Name: High Density Polyethylene (HDPE) Sheet

Other Names: Includes Timberline® HDPE, Designboard® HDPE, Playboard® HDPE, Polycarve, Hitec® HDPE, Seaboard® HDPE, Sanatec® HDPE, General-Purpose HDPE Sheet, Recycled HDPE Sheet

Usage: Plastic sheet products

Supplier: Plaskolite, LLC.
400 West Nationwide Boulevard, Suite 400, Columbus, Ohio 43215, USA
Telephone: 800-848-9124
www.plaskolite.com

Emergency Telephone: 800-848-9124

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: >98% Polyethylene [CAS# 9002-88-4]
<2% Pigment [e.g., Carbon Black]

4. 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.

Ingestion: Not expected to be a primary route of exposure. Obtain emergency medical attention.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide, dry chemical, foam or water

Specific Fire Hazards: This product is a combustible thermoplastic material.

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

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6. ACCIDENTAL RELEASE MEASURES

Personal Precaution: Provide adequate ventilation. Wear personal protection equipment. Do not breathe dust.

Environmental Precaution: Do not allow to enter into soil, waterbodies or drains.

Methods for Cleaning Up: Avoid generation of dust. Remove all sources of ignition. Sweep or scoop up into closed containers for disposal.

7. HANDLING AND STORAGE

Max. Storage Temperature: 176°F (80°C)

Handling: Ensure appropriate exhaust and ventilation at machinery and at places where dust can be generated. Avoid dust formation, and accumulation of static charges. Prohibit sources of spark and ignition, such as smoking.

Storage: If this material is stored under ambient temperature conditions, it is not hazardous. Keep or store away from direct sunlight, extremely high or low temperatures and incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	OSHA		ACGIH	
	PEL	STEL	TLV	STEL
1. Nuisance dusts (as inhalable particles not otherwise specified)	5 mg/m ³	None	10 mg/m ³	None

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

Respiratory Protection: None required under normal conditions.

Hand Protection: Canvas or cotton gloves.

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

Color: Opaque

Odor: None

pH: Not available

Melting Point: 176-338°F (80-170°C)

Boiling Point: Not available

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Flash Point:	Not available
Auto-ignition Temperature:	Not available
Explosion Limits:	Not available
Evaporation Rate:	Not available
Vapor Pressure:	Not available
Vapor Density:	Not available
Relative Density:	~ 0.95
Solubility:	Insoluble

10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to Avoid:	Direct sunlight, extremely high or low temperatures, and incompatible materials.
Materials to Avoid:	Strong acids, strong bases, strong oxidizers.
Hazardous Decomposition Products:	Thermal decomposition or combustion may emit vapors, particulates, carbon monoxide, and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

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

Inhalation:	"Nuisance dust" typically exhibit no significant health effect when they are reasonably controlled. Exposure to high concentrations of dust may cause slight irritation by mechanical action.
Skin Contact:	Low hazard associated with normal conditions. Contact with molten material can result in burns.
Ingestion:	Low hazard associated with normal conditions.
Eye Contact:	Nuisance dust can irritate the eyes.
Carcinogenity:	Not classified

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.

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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.

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: This product does not require a warning about chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

16. OTHER INFORMATION

SDS Prepared By: Plaskolite Environmental, Health & Safety

SDS Original Date of Preparation: January 25, 2024

SDS Revision Date:

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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PLASKOLITE

400 W Nationwide Blvd, Suite 400
Columbus, OH 43215
800.848.9124 • Fax: 877.538.0754
plaskolite@plaskolite.com
www.plaskolite.com

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