

SAFETY DATA SHEET
ABS Sheet

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

Trade Name: ABS Sheet

Other Name(s): Thermoplastic polymer sheet

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: 100% Acrylonitrile-butadiene-styrene (ABS) copolymer [CAS# 9003-56-9]

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, foam, extinguishing powder, carbon dioxide (CO₂).

Specific Fire Hazards: Toxic and irritating gases/fumes (hydrogen cyanide, carbon monoxide and CO₂) 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

- Personal Precaution: Provide adequate ventilation. Wear personal protection equipment. Do not breathe dust.
- Environmental Precaution: Do not allow to penetrate 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: 180°F (82°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: Store in a well-ventilated place. Keep container tightly closed. Protect against heat/sun rays. Protect from moisture contamination.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| Exposure Limits: | OSHA | | ACGIH | |
|------------------|------------|-------------|------------|-------------|
| | <u>PEL</u> | <u>STEL</u> | <u>TLV</u> | <u>STEL</u> |
| 1. Styrene | 100 ppm | 200 ppm(c) | 20 ppm | 40 ppm |

- 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: Translucent (whitish)
- Odor: Slight, sweet, aromatic
- pH: Not applicable
- Melting Point: > 212°F (> 100°C)
- Boiling Point: Not available
- Decomposition Temperature: 500°F (260°C) approx.

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Flash Point: > 752°F (> 400°C)
Auto-ignition Temperature: 923 - 950°F (495 - 510°C)
Explosion Limits: Not applicable
Evaporation Rate: Not applicable
Vapor Pressure: Not applicable
Vapor Density: Not applicable
Relative Density: 1.05 approx.
Solubility: Insoluble

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.

Carcinogenity: 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.

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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.

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 Styrene, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

California Proposition 65 Safe Harbor Level(s):
No Significant Risk Level (NSRL) for Styrene = 27 ug/day

16. OTHER INFORMATION

SDS Prepared By: Plaskolite Environmental, Health & Safety
SDS Original Date of Preparation: May 29, 2013
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.