

# ABS Safety Data Sheet

## SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT CODE ABS General Purpose

## SECTION 2 - HAZARDOUS INGREDIENT INFORMATION

COMPONENT	OSHA airborne PEL (mg/m <sup>3</sup> )	ACGIH airborne TLV (mg/m <sup>3</sup> )	CAS Number	Embedded Concentration
Styrene (Residual Monomer)*	100ppm	20ppm	100-42-5	<0.1% (Trace)
Acrylonitrile*	2ppm	10ppm	107-13-1	<0.1% (Trace)
Proprietary Pigments	3.5	3.5		<4%

All formula components are fully encapsulated in polymer, and thus do not necessarily reflect the hazards of the dry chemicals. Under normal conditions of use, the occupational hazards associated with these chemicals are expected to be minimal.

## SECTION 3 - HEALTH HAZARD INFORMATION

SIGNS AND SYMPTOMS OF EXPOSURE: Coughing or wheezing.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Fine dust may cause respiratory illnesses such as asthma or reduced lung functions. Negligible hazard where dust is not present and a ambient conditions.

EYE CONTACT: Particulates may scratch eye surface and/or cause mechanical irritation. Hot vapors/fumes may cause irritation.

SKIN CONTACT: Negligible hazard at ambient temperatures.

INHALATION: Negligible hazard at ambient temperatures.

INGESTION: Minimal toxicity; no adverse effects expected.

## SECTION 4 - FIRST-AID MEASURES

EYE CONTACT: Flush with plenty of water.

SKIN CONTACT: Wash with water and mild soap.

INHALATION: Move away from source of exposure and into fresh air.

INGESTION: First aid is not normally required.

EXTINGUISHING MEDIA: Use dry chemical, carbon dioxide or water.

SPECIAL FIRE-FIGHTING PROCEDURE: Wear NIOSH approved self-contained breathing apparatus to prevent any contact with vapor/gases released.

UNUSUAL FIRE AND EXPLOSION HAZARDS: No unusual hazards.



# ABS Safety Data Sheet

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

LAND SPILL: Plastic sheet does not present a hazard. Dispose or recycle damaged sheet in a standard landfill or recycling center.

WATER SPILL: Recover spilled material and place for disposal or recycle. Consult an expert on disposal of recovered material and ensure conformity to federal, state and local disposal regulations.

INDIVIDUAL PRECAUTIONS: None.

ENVIRONMENTAL PRECAUTIONS: Retrieve and place for disposal or recycle.

## SECTION 7 - HANDLING AND STORAGE

Store away from oxidizing materials in a cool, dry place with adequate ventilation. Keep away from open flame and heat. Material will burn if exposed to fire. Ground equipment to avoid static discharge as most plastic can build a static charge. Packaging should be similar to that in which the sheet was originally shipped.

## SECTION 8 - PERSONAL PROTECTION AND EXPOSURE CONTROLS

### PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION: Safety glasses with side shields.

#### SKIN PROTECTION:

Cloth insulated gloves when working with molten plastic.

RESPIRATORY PROTECTION: Dust mask recommended when cutting sheet or creating fines from the sheet.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N/A

### VENTILATION REQUIREMENTS

Material should be processed in a well-ventilated area.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

SPECIFIC GRAVITY (H<sub>2</sub>O=1): 1.05 - 1.10

VAPOR DENSITY (AIR=1): N/A

EVAPORATION RATE: N/A

APPEARANCE/ODOR: Plastic sheet with minimal odor.

FLASH POINT: N/A

AUTOIGNITION TEMPERATURE: 508C (estimated)

FLAMMABLE LIMITS IN AIR, % BY VOL.: N/A

MELTING POINT (SOFTENS): This product

VAPOR PRESSURE: N/A

SOL. IN WATER, % BY WT.: N/A

pH: N/A

LOWER: N/A

UPPER: N/A

## SECTION 10 - STABILITY AND REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID INSTABILITY: Avoid temperatures greater than 600°F (316°C).

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents.

HAZARDOUS DECOMPOSITIONS OR BY-PRODUCTS: Upon combustion, carbon monoxide, carbon soot, and organics of unknown composition may be released.

HAZARDOUS POLYMERIZATION: Will not occur.



# ABS Safety Data Sheet

HIGH TOXICITY: None.

LOCAL EFFECTS: See Sections 3 and 4.

## CARCINOGENICITY

NTP: No

IARC MONOGRAPHS: No

OSHA REGULATED: No

This substance is not considered a potential carcinogen in either the NTP Annual Report on Carcinogens, the IARC Monographs, or by OSHA.

## SECTION 12 - ECOLOGICAL INFORMATION

Generally considered chemically inert in the environment. Particles of plastic have been identified as a physical threat to certain wildlife systems. Avoid releases by observing Good Manufacture Practices and clean up spills immediately.

## SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with local and national environmental regulations. Recycle when possible.

## SECTION 14 - TRANSPORT INFORMATION

According to the international and national laws that regulate road, train, air and water transport, this product is not considered dangerous. Refer to Section 7 for material handling and storage during transport.

## SECTION 15 - REGULATORY INFORMATION

Superfund Amendments and Reauthorization Act (SARA Title III)

Section 311 or 312 Hazard Category Health Hazard: All Substances listed in Section 2 with \*

Section 313 Listed Chemical Components

Chemical Name or Category: All Substances listed in Section 2 with \*

CAS Number: See Section 2

Concentration: See Section 2

### HMIS Codes:

Health: 1

Flammability: 1

Reactivity: 0

Protection: B

Please refer to any other national or local regulations that may also apply.

