SDS - TUFFAK

Polycarbonate Sheet

1. Product Details

Usage:	Plastic sheet products
Chemical characterization:	100% Polycarbonate (PC) [Proprietary]
Other names:	Includes Polycarbonate (PC) Sheet, TUFFAK® Clear, Tinted and Colored Polycarbonate Sheet (CA, DX-NR, FD, FI, FR, GP, GP-V, IR, LD, LF, LS, Lumen XT, Lumen XT-V, MG, NR, OP, OP-V, PV, QD, QV, SK, SK1, SL, SL-V, SQ, UC, UV, VR, WC, WG), TUFFAK® Patterned Polycarbonate Sheet, Polycarbonate Lighting Sheet

2. Hazards Identification

This material is classified as not hazardous underOSHA 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 hotmaterial will cause thermal burns.

3. First Aid Measures

Inhalation:	Move subject to fresh air.
Skin contact:	Ifmolten 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. Call a physician.
Ingestion:	This material is not expected to be absorbed within the gastrointestinal tract, so induction of vomiting should not be necessary.

4. Fire – Fighting Measures

Suitable extinguishing measures:	Carbon dioxide, dry chemical, foam or water.
Specific fire hazards:	Toxic and irritating gases/fumes may be given off during burning or thermal decomposition. Avoid generating dust: fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard.
Special protective equipment & precaution for fire fighters:	Wear a self-contained breathing apparatus and full protective gear.

5. Accidental Release Measures

Personal precaution:	Provide adequate ventilation. Wear personal protective equipment. Do not breathe dust.
Environmental precaution:	Do not allow to enter into soil, waterbodies, or drains.

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

6. Handling and Storage

Max. storage temperature:	120°F (49°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. Processing of this product under high temperatures will cause hazardous emissions of vapors, carbon monoxide or carbon dioxide.
Storage:	If this material is stored under ambient temperature conditions, it is not hazardous. However, extensive storing at higher than the maximum temperature will emit vapors, carbon monoxide or carbon dioxide.

7. Exposure Control

Exposure limits:	Not applicable.
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.

8. Physical and Chemical Properties

Physical state:	Solid sheets
Color:	Clear to translucent
Odor:	Not applicable
pH:	Not applicable
Melting point:	428 - 446°F (220 – 230°C)
Boiling point:	Not available

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Decomposition temperature:	Not available
Flash point:	Not available
Auto-ignition	>842°F (>450°C)
temperature: Explosion	Not applicable
limits: Evaporation rate:	Not applicable
Vapor pressure:	Not applicable
Vapor density:	Not applicable
Relative density:	1.2 – 1.3
Solubility:	Insoluble
Softening point:	302°F (150 - 160°C)

9. 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:	Acids, bases, and strong oxidizing agents.
Hazardous decomposition products:	Thermal decomposition or combustion may emit vapors, carbon monoxide, or carbon dioxide.

10. 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

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11. 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.

12. Disposal Considerations

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

13. Transport Information

Notsubject to national and international regulations on the transport of dangerous goods.

14. 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.

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California Proposition 65 Safe Harbor Level(s):
Maximum Allowable Dose Level (MADL) for Bisphenol A = 3 ug/day (dermal exposure from solid material)

15. Other Information

SDS Prepared by: A&C Plastics

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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