

Safety Data Sheet

1. Product Name	HIPS XT sheets
1.1 Chemical Characterisation	Polystyrene Polybutadiene rubber Mineral oil Other additives (< 1%)
1.2 form	sheets
1.3 colour	white
1.4 odour	odourless
2. Physical data	
2.1 Boiling point (°C)	Not applicable
2.2 Melting Point (°C)	> 80
2.3 Solubility in water, wt%	none
2.4 Vapour pressure, mmHg/20°C	Not applicable
2.5 Vapour density	Not applicable
2.6 Specific Gravity	1.06
2.7 Appearance	Solid white sheets
3. Fire & Explosion Hazard Data	
3.1 Flash point, °C	None
3.2 Flammability limits 5 vol/vol standard P & T in air	Not applicable
3.3 Auto Ignition Temp. °C	none
3.4 Extinguishing Media	Water, /foam/alcohol foam, CO2, dry chemical.
3.5 Special Fire fighting protection equipment & Hazards	Positive pressure self containing breathing apparatus. Dense black smoke emitted when burned without sufficient oxygen.
4. Stability & Reactivity data	
4.1 Conditions to avoid	<u>Excessive heat. Temperature >300°C</u> will degrade the resin & will release decomposition products.
4.2 Materials to avoid	none
4.3 hazardous decomposition products	Thermal decomposition products include traces of hydrocarbons (e.g. styrene, ethyl benzene, etc.) Combustion products include smoke. Carbon monoxide and carbon dioxide.
5. Spill & Leak procedure	
5.1 Steps to be taken in case of spills or leaks	Sweep up and discard.
6. Transport Information	Product is not classified for any mode of transportation
7. Health Hazard Data - Toxicology	
7.1 Ingestion	May cause obstruction if swallowed. Single dose oral toxicity is believed to be very low. Considered physiologically inert.
7.2 Eye contact	Solid or dust may cause irritation or corneal injury due to mechanical action
7.3 Skin contact	Mechanical injury only. Skin absorption is unlikely due to physical properties.
7.4 Inhalation	Dust may cause irritation to the upper respiratory tract. At room temperature, exposures to vapours are unlikely due to physical properties. Higher temperature may generate vapour levels sufficient to cause irritation.
7.5 Occupational Exposure Limits	None established
7.6 First Aid Procedures	Never give fluids or induce vomiting if patient is unconscious or having convulsions.
Ingestion	No adverse effects anticipated by this type of exposure.
Eyes	Wash immediately with water for at least 5 minutes. Mechanical irritation only.
Skin	No adverse effects anticipated by this type of exposure.

Inhalation	No adverse effects anticipated by this type of exposure
8. Ecology Data Environmental Toxicity & rate information	Environment
8.1 Degradation	In an aquatic environment, product should not present problems due to extremely low solubility. In a soil environment, the product is inherently very difficult to degrade.
9. Personal protection information	
Ventilation	General and local exhaust ventilation as recommended by good manufacturing practice should be sufficient for normal operations.
9.2 Respiratory protection	In dusty atmosphere use an approved dust respirator
9.3 Eye Protection	Use safety glasses
10. Precautions to be taken in handling storage & Disposal	
Handling	Practise reasonable care and caution in handling this product. Local exhaust ventilation may be necessary for some operations (e.g. to control irritation from fumes at the die).
Disposal	All effects to recycle material should be made. For Reprocessing these materials these Safety guidelines should be followed. Clean uncontaminated Polystyrene materials may be disposed of by sale to reprocessors. Scrap materials may be disposed of at approved land-fill tips or preferably by incineration under approved conditions. Advice on preferred method should be obtained from the local authority waste disposal officer.
	The information given herein is provided in good faith and to the best of our knowledge but no warranty, express or implied is made.