



MSDS

SUPREME

High Impact Polystyrene Resin

ACCORDING TO EU-REGURATION 2018/830 (REACH) AND GHS SDS

1. Product Identification and Company details:

Product Name : SH731E/SH03/SH400M/SH2157/SH2157E/SH400E/SH400HF/SH400HV/SH03D/SH300/SH450
Product Type : High Impact
Product Description : High Impact Polystyrene
Chemical Family (Plastic) : Thermoplastic
Manufacturing Company : Supreme Petrochem Ltd,
5th floor, Bldg. No.11, 167 Guru Hargovindji Marg, Andheri –
Ghatkopar Link Road, Chakala, Andheri (E), Mumbai – 400093, INDIA
Emergency Contact Number : 0091 22 6709 1900
Email : css@spl.co.in
Website : www.supremepetrochem.com

2. Hazards Identification:

Eye Contact : Solid or dust may cause irritation or corneal injury due to mechanical action.
Inhalation : Dust may cause irritation to upper respiratory tract (nose and throat). Vapors released during thermal processing may cause respiratory irritation.
Skin Contact : Prolonged contact is essentially nonirritating to skin. Mechanical injury only. Under normal processing conditions, material is heated to elevated temperatures; contact with the material may cause thermal burns.
Skin Absorption : No adverse effects anticipated by skin absorption.
Ingestion : Biologically inert. Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. May cause choking if swallowed.
Other effects : None

3. Composition Information:

Base Resin:	CAS Registry Number:	Percent by Weight:
Polystyrene	9003-53-6	88-92%
Polybutadiene Rubber	9003-17-2	6-10%
Other Ingredients	-	≤ 2%

Dose not contains any hazardous ingredients according to GHS.

4. First- aid Measures:

In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If Inhaled : Move person to fresh air; if effects occur, consult a physician.
In case of skin contact : For serious burns, get medical attention. In case of skin contact with hot polymer immediately immerse in or flush with clean, cold water.
Ingestion : No first aid procedures are required. Seek medical attention if a significant amount is swallowed

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SUPREME PETROCHEM LTD

5th Floor, Bldg No. 11, 167 Guru Hargovindji Marg, Andheri- Ghatkopar Link Road, Chakala, Andheri(E), Mumbai-400093,
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5. Fire Fighting Measures:



Extinguishing Media	: Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam.
Fire Fighting Procedures	: Keep people away. Isolate fire and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. If material is molten, do not apply direct water stream. Use fine water spray or foam. Cool surroundings with water to localize fire zone. Handheld dry chemical or carbon dioxide extinguishers may be used for small fires.
Special Protective Equipment for Firefighters	: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire-fighting clothing (includes fire-fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.
Unusual Fire and Explosion Hazards	: Pneumatic conveying and other mechanical handling operations can generate combustible dust. To reduce the potential for dust explosions, do not permit dust to accumulate. Dense smoke is produced when product burns.
Hazardous Combustion Products	: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Carbon dioxide. Carbon monoxide.

6. Accidental Release Measures:

Personal precautions	: Sweep up to prevent slipping hazard. Avoid breathing dust. Avoid dust formation.
Environmental precautions	: Do not contaminate surface water. Prevent product from entering drains
Methods for cleaning up	: Clean up promptly by sweeping or vacuum
Special advice	: Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

7. Handling and Storage:

Handling	: Use good housekeeping for safe handling of the product. Keep out of water sources and sewers. Spilled pellets and powders may create a slipping hazard. Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary, but may not by themselves be sufficient.
Storage	: Store in a cool, dry place in the original container when possible. Store below 50°C. Keep away from moisture, excessive heat and sources of ignition. Do not place in direct sunlight



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8. Exposure Controls / Personal Protection:

Exposure Control : Ventilation, enclosures, or other controls may be needed to keep airborne contaminants below exposure limits.

Personal Protective Equipment : Gloves required when handling hot material. In case of fire, wear self-contained breathing apparatus or equivalent and full protective gear.



Respiratory Protection : Wear respiratory protection if ventilation is inadequate. Breathing protection if dust is formed.



Eye Protection : Chemical workers goggles recommended.



Ventilation : Provide adequate ventilation when processing material at elevated temperatures.

Other Protective Equipment : N.A.

9. Physical and Chemical Properties:

Physical State : Pellets /Granules

Physical Form : Solid

Color : Opaque & Natural white

Vapour pressure : N/A

Volatiles (By Volume) : N/A

Odour : Mild to no odour

Vapour Density (air = 1) : N/A

Boiling point : N/A

Evaporation Rate : None

Softening point : >90°C

Solubility in water (by weight) : Negligible

Specific gravity (water = 1) : 1.03-1.05

Solubility in other solvents : Soluble in chlorinated solvents, aromatic solvents and ketones

10. Stability and Reactivity:

Chemical stability : This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Conditions to Avoid : Avoid temperatures above 300 °C (572 °F). Exposure to elevated temperatures can cause product to decompose.

Material to Avoid : Avoid solvents and oxidizing agents

Hazardous decomposition : No decomposition if stored and applied as directed.

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11. Toxicological Information:

Toxicity of this material has not been fully assessed

Ingestion, Inhalation, Skin	: Non-toxic
Skin and eye Irritation	: Prolonged contact with product can result in skin and eye irritation.
Chronic effects of Over-exposure	: Not a known carcinogen.
Acute toxicity	: Not classified
Reproductive toxicity	: Not classified
Germ cell mutagenicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Animal Toxicity Data	
Oral	
LD 50 believed to be >5.0g/kg (rat)	: Practically Non-toxic
Inhalation	: Not determined
Dermal	
LD 50 believed to be >2.0g/kg (rabbit)	: Practically Non-toxic

12. Ecological Toxicity:

Do not allow to escape into waters, waste water or soil.

Mobility	: This product is insoluble and floats on water.
Biodegradability	: The product is not easily biodegradable.
Bioaccumulation	: Not expected to be bio accumulative
Eco-toxicity	: Not expected to be acutely toxic, but material in pellet or bead form may mechanically cause adverse effects if ingested by waterfowl or aquatic life.

13. Disposal Consideration:

Do not dump into any sewers, on the ground, or into any body of water. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

For unused & uncontaminated product, the preferred options include sending to a licensed, permitted: Recycler, Reclaimer, Incinerator or other thermal destruction device.

14. Transport Information:

ADR / RID Class	: Free
IMDG Class	: Free
ICAO / IATA Class	: Free
Transport in bulk according to Marpol and IBC code	: Not classified



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15. Regulatory Information:

This material is NOT classified as dangerous for supply according to the CLP Regulation and the EU Regulation 2015/830.

This material is REACH compliant.

This material is FDA approved.

The preparation is not regulated by D.O.T.

The preparation is not Hazardous by OSHA Hazardous Communication Standard 29 CFR 1910.1200.

The preparation is on the TSCA inventory.

The preparation is not subject to specific CERLA reporting requirements.

The preparation is not subject to SARA 313 reporting requirements.

The preparation is not subject to California Safe Drinking Water and Toxic Enforcement Act (Proposition 65) reporting.

The preparation is not dangerous according to the applicable EC directive regulation.

Label not required. All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

Health: 0, Fire: 1, Reactivity: 0 (Hazard Rating: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe)

16. Other Information:

Additional information on this product may be obtained by calling your sales or customer service contact.

Recommended Uses and Restrictions: A polystyrene plastic - For industrial conversion as a raw material for manufacture of articles or goods. We recommend that you use this product in a manner consistent with the listed use. If your intended use is not consistent with the stated use, please contact your sales or technical service representative.

The information above is believed to be accurate and represents the best of our knowledge, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes