



Material Safety Datasheet

TOUGHNED POLYSTYRENE



REVISION DATE : JAN'06
SPL / SPS / T2B / 0106

1) Identification of the Substance / Preparation & company / Undertaking :

1.1) Identification of the Substance / Preparation :

Product : Toughened Polystyrene
Synonyms : "Supreme" Toughened Polystyrene
Product Grades : SP256/ SP266/ SP253/ SP246/ SP256
Chemical Family : Styrene Copolymer

1.2) Identification of the Company / Undertaking:

Contact : Supreme Petrochem Limited,
17/18, Shah Industrial Estate, Veera Desai Road,
Andheri (W), Mumbai - 400 053, India
Tel : 0091 22 2673 6196-99
Fax : 0091 22 2673 6203 / 5693 5930

E-mail : export@spl.co.in

Web Site : www.supremepetrochem.com

1.3) Emergency Calls : 0091 22 5693 5929

2) Composition / Information on Ingredients:

Components	CAS Registry No	Approx. Weight
Polystyrene	9003-53-6	30-50 %
Styrene-Butadiene Copolymer	9003-55-8	50-70%
Mineral Oil	8042-47-5	0-6 %
External & Internal Lubricants	N/A	< 1 %

3) Hazard Identification:

3.1) Critical Hazards to Man:

General : Normal handling with general ventilation would not expose opera ing personnel to sa ety and health ha ards.

Eye Contact : May cause mechanical irritation.

Inhalation : Dust may cause mechanical irritation. nder normal industrial use there is no exposure to dust or vapour above health ha ards limits.

S in Contact : None own

Ingestion : Biologically inert. Extremely unli ely route o entry.

Other e cts : None

3.2) Critical Hazards to Environment :

The substance / preparation is stable under normal conditions o storage and use. It is not ha arduous to the environment in its normal state.

4) First Aid Measures :

Symptoms, Effects, Indications for Immediate Action :

Eye Contact : In case o eye contact, wash them with abundant water, without scrubbing with the hands. In case o contact lenses use, ta e them out immediately. Consult a physician i some irritation persists.

Inhalation : Avoid breathing dust, process umes and vapours, because they can cause irritation in throat and respiratory tract. In case o inhalation, eep the person in a well-ventilated room, and call a physician i breathing di iculties appear.

Skin Contact : Wash the contaminated one with soap and water in case o process vapours contact. In case o contact with molten resin, cool the s in immediately with water and consult a physician. Contact with process umes / vapours can produce s in irritation.

Ingestion : The ingestion is very improbable due to pellet shape. This material does not present a signi cant degree o toxicity. I considerable material uantities are swallowed, as or medical assistance.

5) Fire Fighting Measures :

Flash point and Method used : N/A

Flammability limits in Air : N/A

Auto Ignition Temperature : N/A

Unusual Fire and Explosion : Fire gives o dense blac smo e, carbon dioxide and carbon monoxide

Extinguishing Media : Water og, Carbon dioxide and dry chemical

Special Fire Fighting Instructions : se approved sel contained breathing apparatus, respirator and approved personal protective clothing (li e helmet, goggles, ire resistant gloves, boots, etc.).

6) Spillage, Accidental Release Measures :

6.1) Personal Precautions:

Do not wal on pellets to avoid slipping.

6.2) Environmental Precautions:

eep away rom drains.

6.3) Methods for Cleaning:

Collect mechanically. Reuse, i possible or dispose o as re uired by national and local regulations.

7) Handling and Storage :

While the handling o Supreme Polystyrene pellets generally does not present unusual problems, a dust can be ormed under some circumstances. Mechanical handling e uipments can cause ormation o dusts. Maintain good house eeping. Store in a cool and dry place in a shade away rom sunlight and heat.

The pac ing used by Supreme Petrochem Ltd. is not V-stabili ed and hence, should not be exposed to sunlight. This product contains no ire retardant additive. It is COMB STIBLE and should be protected rom lame and other high heat sources. Ta e precautionary measures against static discharges earth all storage tan s (silos). For more in ormation, contact Supreme Petrochem Ltd. (0091 22 2673 6196-99)

8) Exposure Controls/Personal Protection :

Personal Protective Equipment :

Respiratory Protection : Not re uired under normal operating conditions. nder a typical conditions approved respirators should be used. (Re er also section 5)

Skin Protection : None under normal conditions, but use gloves i seemed necessary.

Eye Protection : ANSI approved sa ety glasses with side shields. Goggles would be re uired or heavy dusting.

General Control Measures : se ade uate ventilation and provide electrostatic bonding and grounding o e uipment to prevent dust explosion.

9) Physical and Chemical Properties :

Form Solid Pellets
Colour Transparent
Odour Faint
Boiling point N/A
Melting point So tens at 79 C to 107 C
Specific gravity (water = 1) 1.01 - 1.03

Vapour pressure N/A
Volatiles (By Volume) N/A
Vapour Density (air = 1) N/A
Evaporation Rate None
Solubility in water Insoluble
Solubility in other solvents Soluble in chlorinated solvents, aromatic solvents and etones

10) Stability and Reactivity :

Stability (Conditions to avoid) : Stable and inert in normal handling and storage conditions.

Incompatibility (Materials to avoid) : Avoid processing o material above 300 C. Avoid contact with solvents and strong oxidizing agents.

Hazardous Decomposition : Carbon monoxide, Carbon dioxide, Carbon, Water

Hazardous Polymerization : None

11) Toxicological Information :

Speci ic ormation on the preparation is not available.

11.1) Dangerous Effects from Exposure to the Preparation:

The product's dusts may cause irritation to the eyes and/or respiratory organs.

11.2) Delayed and Immediate Effects from Short and Long Term Exposure:

Carcinogenicity, mutagenicity, reproductive toxicity : no evidence o these e cts has been reported or the preparation.

12) Ecological Information :

Environmental Hazard : Sewer / waterway obstruction, Fish may eat pellets and obstruct their digestive tracts.

Spill, leak and release procedures : Stop lea , contain spill, obstruct exit to sewers, waterways, and sources o igation. Collect into containers.

Reportable quantity : None (Not regulated)

13) Disposal Considerations :

13.1) Appropriate Methods of Disposal :

Residues should be disposed o as re uired by national and local regulations.

13.2) Recycling:

A ter suitable treatment (cleaning, grinding, etc.) the preparation can be sa ely re-used, as it is or mixed with resh material, when this is compatible with the intended inal application

13.3) Incineration:

It must be done under approved conditions, possibly with energy recovery and only at suitable acilities e uipped with a scrubber or the treatment o umes be ore their release into the atmosphere.

13.4) Land filling:

It should be avoided as ar as possible. I unavoidable, use approved land ill silos.

14) Transport Information :

The preparation is not a D.O.T. " a arduous material".

15) Regulatory Information :

The preparation is not regulated by D.O.T. The preparation is not a arduous by OS A a arduous Communication Standard 29 CFR 1910.1200. The preparation is on the TSCA inventory. The preparation is not sub ect to speci ic CERLA reporting re uirements. The preparation is not sub ect to SARA 313 reporting re uirements. The preparation is not sub ect to Cali omnia Sa e Drin ing Water and Toxic En orcement Act (Proposition 65) reporting. The preparation is not dangerous according to the applicable EC regulation. Label not re uired.

16) Other Information :

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

Note : To the best o our knowledge the in ormation contained in this Material Sa ety Data Sheet is accurate. owever, neither Supreme Petrochem Limited nor any o its Distributors ma es any warranty, expressed or implied, or accepts any liability in connection with this in ormation or its use.

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