

# Material Safety Data Sheet

## 1. Product Name: Starprene Thermoplastic Elastomer Compounds

**Grade:** 201NG-8

## 2. Composition / Information on Ingredients

Starprene thermoplastic elastomer compounds are proprietary products. The composition is trade secret information of Shenzhen Sunstar Technologies Co. Ltd. These products are not identified by CAS number. The main ingredient in Starprene elastomers is styrene block copolymer. Starprene elastomers may also contain paraffinic oil, olefin resins, and calcium carbonate.

## 3. Hazards Identification

**Health hazard:**

Molten products adheres to skin and causes burns.

**Safety hazard:**

Electrostatic charges may be generated during handling. Risk of self ignition above temperatures listed in Section 10. These materials are essentially non-toxic and non-irritating.

**Environmental hazard:**

No known hazards.

**Other Hazards:**

Not classified as dangerous for supply or conveyance.

## 4. First Aid Measures

**Inhalation:**

Remove person to fresh air. Obtain medical attention if signs/symptoms continue.

**Eye:**

Pellets do not cause significant eye irritation. If eye is contact with hot material, flush with water. Seek medical attention if irritation develops or persists.

**Skin:**

Pellets do not cause significant skin irritation. If skin is in contact with hot material, cool by flushing skin with water. Do not attempt to remove anything from burn area. or apply burn creams or ointments. Cover loosely with a sterile dressing and get medical attention.

**Ingestion:**

Not probable; get medical attention if a large amount is smllowed.

## 5. Fire Fighting Measures

**Inhalation hazards:**

Combustion products may include carbon monoxide and or carbon dioxide.

**Extinguishing media:**

Foam, water spray, fog, carbon dioxide, dry chemical powders, and sand or earth.

**Unsuitable extinguishing media:**

Water in a jet or dispersed under high pressure may spread fire.

**Protective equipment:**

Full protective clothing and self contained breathing apparatus should be used.

## 6. Accidental Release Measures

**Environmental precautions:**

No Specific measures required.

**Safety precautions:**

Spilled product may cause slipping hazard. Use good housekeeping practices. Shovel and sweep up or use industrial vacuum cleaner. Put into containers for reclaiming or disposal.

**Protective Measures:**

Wear appropriate respiratory protection and protective clothing as described in section 8.

## 7. Handling and Storage

**Handling:**

Usual precautions in pellet handling should be observed to prevent contamination by dirt or other materials. Keep away from heat, sparks, open flame, pilot lights and other sources of ignition. Avoid breathing vapors from heated materials. Adequate ventilation and/or engineering control must be employed in high temperature processing. Avoid static discharge. Avoid eye contact with vapors, mists, or spray. Keep out of the reach of children. Avoid contact with oxidizing agents.

**Storage:**

Store in a cool, dry, well-ventilated location.

## 8. Exposure Control / Personal Protection

**Respiratory Protection:**

Use NOISH approved respiratory protection equipment when airborne exposure to processing vapors is excessive.

**Hand Protection:**

Heat protective gloves.

**Eye Protection:**

Safety glasses.

**Additional Protective Measures:**

Adequate ventilation and/or engineering controls are required when product is heated in processing.

## 9. Physical and Chemical Properties

<b>Physical form:</b>	Pellets
<b>Appearance:</b>	Clear to opaque. Pellets can be any color.
<b>Odor:</b>	Essentially odorless
<b>Specific Gravity:</b> (H <sub>2</sub> O=1)	0.87~1.35
<b>Hardness:</b>	0~95 Shore A

## 10. Stability and Reactivity

**Stability:** Stable under normal conditions of handling, use and transportation.

**Conditions and Materials to avoid:**

Avoid contact with strong oxidizing agents, rainwater, the direct rays of the sun, open flame, etc.

**Hazardous decomposition products:**

Hazardous vapors from heated products are not expected to be generated under normal processing temperatures and conditions. If product is overheated or catches fire thermal decomposition products may include hydrocarbons (such as methane and propane) to toxic/irritating vapors (such as carbon monoxide, carbon dioxide, acrolein, aldehydes and ketones)

## 11. Toxicological Information

Starprene Elastomer do not appear to possess any toxicological properties that would require special handling other than the good industrial hygiene and safety practices employed with any industrial of this type. However, good industrial hygiene and safety practices are recommended to avoid unnecessary exposure to vapors and fumes resulted from processing of the material.

## 12. Ecological Information

Ecotoxicological data has not been determined specifically for these products.

## 13. Disposal Considerations

When discarded, this material is not a hazardous waste. Use as landfill or for incineration according to local laws and regulations.

**Waste Disposal:** Recover or recycle if possible, otherwise incineration or dispose of in a licensed landfill for polymeric materials.

**Packaging Disposal:** Same as waste disposal.

## 14. Transport Information

**DOT Hazard Class/I.D. No.:** Not applicable

**DOT Proper Shipping Name:** Not applicable

**UN Classification Number:** Not regulated commodity

## 15. Regulatory Information

This material is not regulated by the DOT.

This material is compliant with European RoHS Directive 2002/95/EC.

The components of this material appear on the EPA/TSCA inventory of chemical substances.

This material is not regulated under the Coalition of Northeastern Governors(CONEG).

## 16. Other Information

Starprene Rubber are engineered for a wide spectrum of end uses. Each customer or user of Starprene products is solely responsible for determining the suitability of the materials they select for the intended purpose.

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Disclaimer of warranty and liability: This information is based on current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not be construed as guaranteeing any specific property of the product. Advice in this document relates only to the product originally supplied.