1. Identification

Product identifier used on the label

ULTRASON® S 6010 NATURAL POLYARYLETHERSULFONE

Recommended use of the chemical and restriction on use

Recommended use*: Polymer
Recommended use*: Polymer; for industrial processing only
Suitable for use in industrial sector: Polymers industry

* The “Recommended use” identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:
BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Synonyms: POLYSULFONE
           ULTRASON

2. Hazards Identification


Classification of the product

No need for classification according to GHS criteria for this product.
Label elements
The product does not require a hazard warning label in accordance with GHS criteria.

Hazards not otherwise classified
No specific dangers known, if the regulations/notes for storage and handling are considered.

Labeling of special preparations (GHS):
UNDER HOT MELT PROCESSING CONDITIONS, WEAR PERSONAL PROTECTIVE EQUIPMENT TO PREVENT THERMAL BURNS.

3. Composition / Information on Ingredients

Under the referenced regulation, this product does not contain any components classified for health hazards above the relevant cut off value.

4. First-Aid Measures

Description of first aid measures

General advice:
Avoid contact with the skin, eyes and clothing. Remove contaminated clothing.

If inhaled:
If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

If on skin:
Burns caused by molten material require hospital treatment.

If in eyes:
In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If irritation develops, seek medical attention.

If swallowed:
Rinse mouth and then drink 200-300 ml of water. Ingestion is not likely in the available physical form. If ingested, seek medical attention. Do not induce vomiting.

Most important symptoms and effects, both acute and delayed
Symptoms: No data available.
Hazards: No hazard is expected under intended use and appropriate handling.

Indication of any immediate medical attention and special treatment needed

Note to physician
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.
5. Fire-Fighting Measures

**Extinguishing media**

Suitable extinguishing media:
water spray, foam, dry powder

**Special hazards arising from the substance or mixture**

Hazardous during fire-fighting:
carbon monoxide, Sulphur dioxide, sulphur trioxide, can be emitted at > 400 °C
Under special fire conditions traces of other toxic substances are possible. Formation of further decomposition and oxidation products depends upon the fire conditions.

**Advice for fire-fighters**

Protective equipment for fire-fighting:
Wear a self-contained breathing apparatus.

**Further information:**
Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental release measures

**Further accidental release measures:**
High risk of slipping due to leakage/spillage of product.

**Personal precautions, protective equipment and emergency procedures**
Use personal protective clothing.

**Environmental precautions**
This product is not regulated by RCRA. This product is not regulated by CERCLA ('Superfund').
No special precautions necessary.

**Methods and material for containment and cleaning up**
For small amounts: Pick up with suitable appliance and dispose of.
For large amounts: Pick up with suitable appliance and dispose of.
Reclaim for processing if possible.

7. Handling and Storage

**Precautions for safe handling**
No applicable information available.

Protection against fire and explosion:
Take precautionary measures against static discharges.

**Conditions for safe storage, including any incompatibilities**
The product in undamaged packing need not be stored separately.

Suitable materials for containers: Low density polyethylene (LDPE), High density polyethylene (HDPE), Aluminium, Carbon steel (Iron)
8. Exposure Controls/Personal Protection

No occupational exposure limits known.

Advice on system design:
Ensure adequate ventilation.

Personal protective equipment
Respiratory protection:
Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) particulate respirator.

Hand protection:
Wear gloves to prevent contact during mechanical processing and/or hot melt conditions.

Eye protection:
Tightly fitting safety goggles (chemical goggles).

Body protection:
Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:
No special precautions necessary. After use of gloves apply skin-cleaning agents and skin cosmetics.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>pellets</td>
</tr>
<tr>
<td>Odour</td>
<td>odourless</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>not applicable</td>
</tr>
<tr>
<td>Colour</td>
<td>light yellow to brownish</td>
</tr>
<tr>
<td>pH value</td>
<td>not applicable</td>
</tr>
<tr>
<td>Glass transition temperature</td>
<td>187 °C</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling range</td>
<td>The substance / product decomposes therefore not determined.</td>
</tr>
<tr>
<td>Sublimation point</td>
<td>No applicable information available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>not applicable</td>
</tr>
<tr>
<td>Flammability</td>
<td>not self-igniting</td>
</tr>
<tr>
<td>Flash point</td>
<td>not applicable</td>
</tr>
<tr>
<td>Flammability of Aerosol Products</td>
<td>not applicable, the product does not form flammable aerosoles</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>For solids not relevant for classification and labelling.</td>
</tr>
</tbody>
</table>
### Upper explosion limit:
For solids not relevant for classification and labelling.

### Autoignition:
570 °C (DIN 54836)

### Vapour pressure:
Not applicable

### Density:
1.20 - 1.30 g/cm³

### Relative density:
Study does not need to be conducted.

### Bulk density:
700 - 800 kg/m³

### Vapour density:
Not applicable

### Partitioning coefficient n-octanol/water (log Pow):
Not applicable

### Self-ignition temperature:
Not self-igniting

### Thermal decomposition:
> 400 °C
Thermal decomposition above the indicated temperature is possible.

### Viscosity, dynamic:
Not applicable, the product is a solid

### Viscosity, kinematic:
Not applicable, the product is a solid

### Solubility in water:
Insoluble

### Solubility (quantitative):
No applicable information available.

### Solubility (qualitative):
No applicable information available.

### Evaporation rate:
The product is a non-volatile solid.

## 10. Stability and Reactivity

### Reactivity
No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties:
Not fire-propagating

### Chemical stability
The product is stable if stored and handled as prescribed/indicated.

### Possibility of hazardous reactions
The product is chemically stable.
No hazardous reactions known.

### Conditions to avoid
Temperature: > 400 degrees Celsius

### Incompatible materials
No substances known that should be avoided.

### Hazardous decomposition products

Decomposition products:
Hazardous decomposition products: carbon monoxide, carbon dioxide, phenol, Water, Benzenesulfonic acid, 2(or 4)-methyl-, sulphur trioxide, Sulphur dioxide

Thermal decomposition:
> 400 °C
Thermal decomposition above the indicated temperature is possible.
11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity
Assessment of acute toxicity: Contact with molten product may cause thermal burns. The resin in pelleted form poses a low hazard.

Inhalation
Type of value: ATE
Value: > 5,0000 mg/l
Determined for dust

Dermal
Type of value: ATE
Value: > 5,000 mg/kg

Assessment other acute effects
No applicable information available.

Irritation / corrosion
Assessment of irritating effects: Thermal decomposition products of the substance can irritate the eyes, skin, and respiratory tract.

Sensitization
Assessment of sensitization: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Aspiration Hazard
No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity
Assessment of repeated dose toxicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Genetic toxicity
Assessment of mutagenicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Carcinogenicity
Assessment of carcinogenicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Reproductive toxicity
Assessment of reproduction toxicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Other Information
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

12. Ecological Information

Toxicity
Aquatic toxicity
Assessment of aquatic toxicity:
There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from the structure of the product.

Persistence and degradability
Assessment biodegradation and elimination (H2O)
Experience shows this product to be inert and non-degradable.

The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

Bioaccumulative potential
Bioaccumulation potential
The product will not be readily bioavailable due to its consistency and insolubility in water.

13. Disposal considerations

Waste disposal of substance:
Check for possible recycling. Incinerate in suitable incineration plant, observing local authority regulations.

Container disposal:
Packs must be completely emptied.

14. Transport Information

Land transport
USDOT
Not classified as a dangerous good under transport regulations

Sea transport
IMDG
Not classified as a dangerous good under transport regulations

Air transport
IATA/ICAO
Not classified as a dangerous good under transport regulations
15. Regulatory Information

**Federal Regulations**

**Registration status:**
Chemical TSCA, US released / listed

**EPCRA 311/312 (Hazard categories):** Refer to SDS section 2 for GHS hazard classes applicable for this product.

**Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:**

**WARNING:** This product can expose you to chemicals including N-METHYLPYRROLIDONE, 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.

**NFPA Hazard codes:**
Health: 1  Fire: 1  Reactivity: 0  Special:

**HMIS III rating**
Health: 1  Flammability: 1  Physical hazard: 0

16. Other Information

**SDS Prepared by:**
BASF NA Product Regulations
SDS Prepared on: 2020/03/13

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