

Safety Data Sheet

No. 8102-B

SDS version: 3.1

Revision date : 2020/10/08

Print date :

1. CHEMICALS AND COMPANY IDENTIFICATION

| |
|---|
| Chemicals name : TPU RESINS |
| Other names : — |
| Product code : ISOTHANE® 8102-B |
| Use recommendations and limitations : Injection, Extrusion. |
| Name, addresses, and phone numbers of the manufacturer, importer or supplier : GREAT EASTERN RESINS INDUSTRIAL CO., LTD. 35, 34 TH Road, Taichung Industrial Park, Taichung, Taiwan 407, R. O. C. Telephone : 886-4-2358-7676 |
| Emergency contact phone numbers/fax numbers : TEL: 886-4-2358-7676 FAX: 886-4-2358-7575 |
| E-mail address of person responsible for Safety Data Sheet : tw2548@greco.com.tw |

2. HAZARDS IDENTIFICATION

| |
|--|
| Chemicals hazard classification : — |
| Label contents : |
| · Pictogram : — |
| · Signal words : — |
| · Hazard statements : Solid or dust may cause irritation or corneal injury due to mechanical action. |
| · Precautionary statements : — |
| · Other hazards : — |

3. INGREDIENTS IDENTIFICATION INFORMATION

PURE MATERIAL :

| |
|--|
| Name : Thermoplastic polyurethane |
| Synonyms : — |
| CAS No. : — |
| The hazardous ingredient (% of the content) : No hazardous ingredients |

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4.FIRST-AID MEASURES:

The first-aid measures for different exposure routes :

- inhalation : In case of breathing, fumes released from heated material may cause respiratory irritation. In case of inhaling dense smoke, immediately remove the person to fresh air area.
- skin contact : Essentially nonirritating to skin but rinse with running water.
- eye contact : Immediately rinse eyes with plenty of running water and seek for medical advice.
- ingestion : If vomiting occurs, lower the head to ease vomiting and seek for medical advice.

The most important symptoms and hazardous effects : Have not obviously endangered.

The protection of first-aiders : Have not obviously endangered.

Notes to physicians : Have not obviously endangered.

5.FIRE-FIGHTING MEASURES :

Suitable fire extinguishing media :

Water spray and water, dry chemical powder, alcohol foam, and carbon dioxide.

Special hazards may be encountered during fire-fighting :

Have not obviously endangered.

Special fire-fighting methods :

Water spray and water, dry chemical powder, alcohol foam, and carbon dioxide.

Special equipments and protections for fire-fighters :

The fireman must equip with protective clothing and contained breathing.

6.ACCIDENTAL RELEASE MEASURES

Personal precautions : Have not obviously endangered.

Environmental precautions : Have not obviously endangered.

Methods for cleaning up :

Sweep, use vacuum cleaner, or shovel into intact packaging for waste disposal or possible re-use.

7.SAFE HANDLING AND STORAGE MEASURES

Handling : Keep bags / containers in a well ventilated place.

Storage : Keep bags always closed. Avoid pellets / bags from getting wet.

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8.EXPOSURE CONTROLS MEASURES

| | | | |
|---|----------------------------|-------------------------|----------------------|
| Engineering control : — | | | |
| Control parameters | | | |
| 8 hours time weighted average exposure limits | Short-term exposure limits | Maximum exposure limits | Biological standards |
| — | — | — | — |
| Personal protective equipment : · respiratory protection : Have not obviously endangered. · hand protection : Rubber gloves. · eye protection : Safety glasses/face shield. · skin and body protection : Rubber gloves. | | | |
| Hygiene measures : Keep the work area clean and drying. | | | |

9.PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|---|
| Appearances(state, color, etc.) : White pellet. | Odor : Almost odorless. |
| Odor threshold : — | Melting point : 210~220 °C |
| pH value : — | Boiling point / Boiling range : — |
| Flammability (solid 、 liquid) : — | Flashpoint : — °F — °C |
| Decomposition temperature : — | Test method (Open cup or Close cup) : — |
| Autoignition temperature : — | Explosion limits : — |
| Vapor pressure : — | Vapor density : — |
| Density : 1.18~1.20 | Solubility : Soluble in DMF |
| Octanol / Water partition coefficient : — | Evaporating rate : — |
| Viscosity : — | Explosive properties : — |
| Oxidising properties : — | |

10.STABILITY AND REACTIVITY

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|--|
| Reactivity : Have not obviously endangered. |
| Chemical Stability : Have not obviously endangered. |
| Possible hazardous reactions occurring under specific conditions : Have not obviously endangered. |

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Conditions to avoid : Have not obviously endangered.

Materials to avoid : Have not obviously endangered.

Hazardous decomposition products : Have not obviously endangered.

11.TOXICOLOGICAL INFORMATION

Exposure routes : Have not obviously endangered.

Symptoms : Have not obviously endangered.

Acute toxicity : Have not obviously endangered.

Chronic toxicity or long term toxicity : Have not obviously endangered.

12.ECOLOGICAL INFORMATION

Ecotoxicity : Have not obviously endangered.

Persistence and degradation : —

half-life (air) : —

half-life (surface water) : —

half-life (ground water) : —

half-life (soil) : —

Organism accumulation :

Movement through soil, Koc :

Other negative effects :

13.WASTE DISPOSAL MEASURES

Methods of waste disposal :

This product may be recycled either back into original parts or into other suitable applications.
Dispose according to local regulations.

14.TRANSPORT INFORMATION

United Nation number (UN No) :

Not classified as hazardous material under transportation regulation.

UN proper shipping name : —

Transport hazard classification : —

Packing Group : —

Ocean contaminants (Yes/No) : NO

Specific transport measures and precautionary conditions : —

