

Safety Data Sheet

No. 8101-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® 8101-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, 34TH 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.) : Transparent pellet.	Odor : Almost odorless.
Odor threshold : —	Melting point : 215~225 °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 : 1.20~1.22	Solubility : Soluble in DMF
Octanol / Water partition coefficient : —	Evaporating rate : —
Viscosity : —	Explosive properties : —
Oxidising properties : —	

10.STABILITY AND REACTIVITY

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 : —

