

Polyurethane(TPU)

Version

1

Revision date

17/01/24

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANYProduct Information

Item Name : Hot Melt Powder : 1kg, 1lb, 20kg, 25kg

CAS No. : 9009-54-5

Company Information

Name : ECOGREEN CO., LTD.

Address : 73, Hwaseong-ro 1616beon-gil, Bibong-myeon, Hwaseong-si, Gyeonggi-do, Republic of Korea

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2. COMPOSITION / INFORMATION ON INGREDIENTSChemical nature

Polyurethane

Other Information

The base materials of the polymer are included in the EINECS Inventory.

This sheet describes a group of products. It only contains safety-relevant data.

For specific data, see product Information sheet.

3.HAZARDS IDENTIFICATION

None

4. FIRST AID MEASURES

General advice

No special measures required.

5.FIRE-FIGHTING MEASURES

Fumes from complete or incomplete combustion of this material may include carbon dioxide, carbon monoxide and water vapour.

Human protective equipment

Respirator fitted with high efficiency particulate filter and organic vapour cartridge is used

Suitable extinguishing mediawater spray, foam, CO₂, carbon dioxide, dry powder**6.ACCIDENTAL RELEASE MEASURES**

Personal precautions : None

Method for cleaning up : Use mechanical handling equipment

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7. HANDLING AND STORAGE

- Handling : Wear adequate breathing apparatus to avoid inhaling. Good ventilation system should be applied in working place.
Local safety regulations should be followed when handling in special occasions.
- Storage : Keep in dry and low temperature place with well-closed containers.
Away from Heat.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Personal protective equipment : No required

Engineering measures

In case of dust being formed, provide for adequate extraction.

In case of thermal processing, provide for extraction of the vapors or adequate ventetion.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	solid pellets or powders under room temperature
Color	transparent
Odor	odorless

Safety data

pH not applicable

Melting point / range 95- 105 °C(DSC)

Boiling point / range not applicable

Flash point not applicable

Ignition temperature >350°C

Method DIN 51 974

Vapor pressure not applicable

Density 1.12g/cm³ (20°C)

Water solubility Insoluble

Further information

The range of values given profiles with the variation range of the product group.

The specific physical chemical data can be read in the product information

10. STABILITY AND REACTIVITY

Thermal decomposition >350°C

Hazardous reactions No dangerous reactions known

11. TOXICOLOGICAL INFORMATION

Material Safety Data Sheet

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12. ECOLOGICAL INFORMATION

Elimination Information (persistence and degrade ability)

Behavior in environmental compartments

Ecotoxicity effects

Further Information on ecology :

The product is a water-insoluble, solid polymer which, under environment conditions, is not expected to have a detrimental effect on plants or animals or microorganisms.

13. DISPOSAL CONSIDERATIONS

With respect to local regulations, e.g. dispose of the suitable waste incineration Plant.

A waste code in accordance with the European Waste Catalogue(EWC) may not be assigned to this product since it admits of a classification only when the consumer uses it of some purpose.

In agreement with the waste code determined by regional waste disposal authority.

14. TRANSPORT INFORMATION

Transport / further information

Not classified as dangerous in the meeting of transport regulations.

Not Restricted IATA

15. REGULATORY INFORMATION

Labeling according to EEC directive

Statutory basis Not subject to labeling provisions by Directive 67/548/EEC

Follow national legislation or local regulations on non-hazardous plastic materials.

16. OTHER INFORMATION

Changes since the last version will be high lighted in the margin.

This version replaces all previous versions.

The data presented here correspond to the present state of our knowledge and experience and are intended to describe our products with respect to possible safety demands.

We imply with this however no guarantee of properties or description of qualities.

For any other information pls contact ECOFREEN CO., LTD.

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