

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RAVASAFE ZH TPU 90A R112M

Revision date: 15.02.2022

Product code: 3450

Page 1 of 4

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

RAVASAFE ZH TPU 90A R112M

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Thermoplastic Polyurethane

Uses advised against

Medical and food contact applications

1.3. Details of the supplier of the safety data sheet

Company name: Ravago Petrokimya Üretim A.S.
Street: Çoraklar Mh. 5000 Sok. N:7-17 Aliaga Org.San.Bölg.
Place: TR Aliaga / IZMIR (Turkey)
Telephone: +90 850 314 70 99
e-mail: semanur.yildiz@ravago.com / suleyman.gumus@ravago.com
Contact person: Semanur YILDIZ / Suleyman Telephone: 0 850 314 70 99
GUMUS
e-mail: semanur.yildiz@ravago.com / suleyman.gumus@ravago.com
Internet: www.ravagopetrokimya.com.tr

1.4. Emergency telephone number:

0 850 314 70 99
Only during office hours (8 am - 5 pm)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

This compound is not classified as dangerous according to Directive 1999/45/EC and its amendments.

2.2. Label elements**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Flame Retardant TPU - Thermoplastic Polyurethane

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Supply fresh air or oxygen; call for doctor.

After contact with skin

Instantly wash with water and soap and rinse thoroughly.

After contact with eyes

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RAVASAFE ZH TPU 90A R112M

Revision date: 15.02.2022

Product code: 3450

Page 2 of 4

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

5.2. Special hazards arising from the substance or mixture

Avoid sources of ignition : heat, sparks, open fire.

Hazardous combustion products

5.3. Advice for firefighters

Special protective equipment for firefighters

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General measures**

not determined

6.2. Environmental precautions

not determined

6.3. Methods and material for containment and cleaning up**Other information**

not determined

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Take precautionary measures against static discharges.

Ensure good ventilation/exhaustion at the workplace.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Store in a cool dry place.

Keep container tightly closed.

Further information on storage conditions

Shelf-life: 2 years

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Additional advice on limit values**

To date, no national critical limit values exist.

8.2. Exposure controls**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state: solid , Granulate

Colour: various

Odour: odourless to mild

pH-Value: not applicable

Changes in the physical state

Softening point: >120 °C

Flash point: ?

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RAVASAFE ZH TPU 90A R112M

Revision date: 15.02.2022

Product code: 3450

Page 3 of 4

Auto-ignition temperature:	?
Density (at 20 °C):	1.12-1.16 g/cm ³
Bulk density (at 20 °C):	500-700 kg/m ³
Water solubility:	not applicable
Partition coefficient n-octanol/water:	not applicable
Viscosity / dynamic:	not applicable

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reactions when stored and handled according to instructions.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

No conditions to avoid anticipated.

10.5. Incompatible materials

No substances known that should be avoided.

10.6. Hazardous decomposition productsThermal decomposition : Carbon monoxide Carbon dioxide (CO₂). Hydrogen cyanide (hydrocyanic acid)
Isocyanates Nitrogen oxides (NO_x).**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****SECTION 12: Ecological information****12.1. Toxicity**

No information available.

12.2. Persistence and degradability

Poorly biodegradable.

12.3. Bioaccumulative potential

This material is not expected to bioaccumulate.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Dispose of waste according to applicable legislation.

SECTION 14: Transport information**Land transport (ADR/RID)****Other applicable information (land transport)**

Not classified for this transport carrier.

Inland waterways transport (ADN)**Other applicable information (inland waterways transport)**

Not classified for this transport carrier.

Safety Data Sheet

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RAVASAFE ZH TPU 90A R112M

Revision date: 15.02.2022

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Page 4 of 4

Marine transport (IMDG)**Other applicable information (marine transport)**

Not classified for this transport carrier.

Air transport (ICAO-TI/IATA-DGR)**Other applicable information (air transport)**

Not classified for this transport carrier.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information****SECTION 16: Other information**

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)