

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**ENESTER EM-180-GR2-J1-000**

Revision date: 24.12.2021

Product code: 3390

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

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

Automotive, construction, electric &amp; electronic, industrial applications

**Uses advised against**

Food and medical 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.

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

**2.2. Label elements****2.3. Other hazards**

Preparation/mixture without hazards for human health or environment

Prolonged and repeated inhalation of decomposition products may cause a pulmonary oedema.

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

Glass Fibre &amp; Glass Bead Reinforced PBT

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

First aider: Pay attention to self-protection!

Provide adequate ventilation.

**After inhalation**

Provide adequate ventilation.

In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

Consult physician.

**After contact with skin**

The melted product can cause severe burns.

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Do not use force or solvents to remove product incrustations from affected skin areas .  
After contact with molten product, cool skin area rapidly with cold water.  
Consult physician.

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**After ingestion**

Consult physician.

**4.2. Most important symptoms and effects, both acute and delayed**

No information available.

**4.3. Indication of any immediate medical attention and special treatment needed**

No information available.

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

Water and Foam. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder.

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

Carbon dioxide Carbon monoxide hydrocarbons. alcohol resistant foam. Sand.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

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

High slip hazard because of leaking or spilled product. (Granulate)

**6.2. Environmental precautions**

No special environmental precautions required.

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

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal . Do not empty into drains.

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

Provide adequate ventilation. Equipment with built-in suction provisions.

**Advice on protection against fire and explosion**

No information available.

**Further information on handling**

No information available.

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

Keep in a cool place.

Provide adequate ventilation.

**Advice on storage compatibility**

storage stability:

storage temperature: < 40 °C unlimited durability.

No special precautionary measures are necessary.

**Further information on storage conditions**

Shelf-life: 1 year

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#### 7.3. Specific end use(s)

No information available.

### 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

##### **Appropriate engineering controls**

No information available.

##### **Protective and hygiene measures**

Provide adequate ventilation. Equipment with built-in suction provisions.

When using do not eat, drink or smoke. Do not breathe dust.

##### **Eye/face protection**

Wear eye/face protection.

##### **Hand protection**

Wear suitable gloves.

##### **Skin protection**

Only wear fitting, comfortable and clean protective clothing.

In case of increasing hazard add:heat-resistant synthetic fibres

##### **Respiratory protection**

Respiratory protection necessary at:In the case of the formation of dust(half-mask with filter (DIN EN 149).)

##### **Environmental exposure controls**

No information available.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state:	solid (Granulate)
Colour:	various
Odour:	odourless

#### Test method

##### **Changes in the physical state**

Melting point:	235-250 °C	ISO 3146
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Flash point:	not applicable
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##### **Explosive properties**

not applicable

##### **Oxidizing properties**

not applicable

Vapour pressure:	not applicable
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Density (at 23 °C):	1,39-1,43 g/cm³	ISO 1183
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Water solubility:	insoluble
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Partition coefficient:	not applicable
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Viscosity / dynamic:	not applicable
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Viscosity / kinematic:	not applicable
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Vapour density:	not applicable
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Evaporation rate:

not applicable

**9.2. Other information**

Decomposition temperature &gt; 350

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

No information available.

**10.2. Chemical stability**

No information available.

**10.3. Possibility of hazardous reactions**

No information available.

**10.4. Conditions to avoid**

300 C

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

Carbon dioxide Carbon monoxide hydrocarbons.

**Further information**

No risks worthy of mention.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

not applicable

**Irritation and corrosivity**

not applicable

**Sensitising effects**

not applicable

**Carcinogenic/mutagenic/toxic effects for reproduction**

not applicable

**STOT-repeated exposure**

not applicable

**Specific effects in experiment on an animal**

not applicable

**Further information**

Not an irritant. When used and handled according to the specifications, this product does not have any harmful effects to human health according to our experience and the information available. Contact the manufacturer in case the material is to be used in special applications such as in contact with food or for hygiene, medical or surgical end-use.

**SECTION 12: Ecological information****12.1. Toxicity**

Insoluble in: Water.

Ecotoxicological effects:: none

Due to the consistency along with the low water solubility of the product, bioavailability is unlikely.

**12.4. Mobility in soil**

No information available.

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**12.5. Results of PBT and vPvB assessment**

No information available.

**12.6. Other adverse effects**

No information available.

**Further information**

No information available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

Refer to manufacturer or supplier for information on recovery or recycling.

Material recycling possible.

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

**14.2. UN proper shipping name:** Not a hazardous material with respect to transportation regulations.

**14.3. Transport hazard class(es):** none

**Inland waterways transport (ADN)**

**14.2. UN proper shipping name:** Not a hazardous material with respect to transportation regulations.

**14.3. Transport hazard class(es):** none

**Marine transport (IMDG)**

**14.2. UN proper shipping name:** Not a hazardous material with respect to transportation regulations.

**14.3. Transport hazard class(es):** none

**Air transport (ICAO-TI/IATA-DGR)**

**14.2. UN proper shipping name:** Not a hazardous material with respect to transportation regulations.

**14.3. Transport hazard class(es):** none

**Other applicable information (air transport)**

ICAO/IATA-DGR: none

**14.6. Special precautions for user**

No information available.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

No information available.

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

According to Directive 1999/45/EC or Appendix VI to Directive 67/548/EEC the preparation requires no special labelling.

nwg (KBwS-Einstufung), KBwS-Nr.: 766

**National regulatory information****SECTION 16: Other information**

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**Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

Disclaimer:

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