

**Safety Data Sheet**

according to REACH Regulation (EC) No 1907/2006 and updated  
Regulation (EC) No 2020/878

**ENSOFIT S\_-3XX-XXX-XX-XXX**

Revision date: 09.02.2024

Product code: 1831

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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 and industrial applications

**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		
Contact person:	Semanur YILDIZ	Telephone:	0 850 314 70 99
e-mail:	semanur.yildiz@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 )

**Further Information**

Industry sector:Manufacturing of plastic articles and goods including compounding and conversion, eventually recycling.

Type of use:

Recommended uses:For industrial conversion as a raw material for manufacture of articles or goods

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****GB CLP Regulation**

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

**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**

TPS-SEBS - styrene ethylene / butylene styrene block copolymer

**Hazardous components**

none (according to UK REACH Regulation)

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

First aider: Pay attention to self-protection!

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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.

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.

**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****General advice**

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****Other information**

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 general occupational hygiene**

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

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

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

Keep in a cool place.

Provide adequate ventilation.

**Hints on joint storage**

storage stability:

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storage temperature: < 40 °C unlimited durability.  
No special precautionary measures are necessary.

**Further information on storage conditions**

Shelf-life / year(s): 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****Individual protection measures, such as personal protective equipment****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).)

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

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

Melting point/freezing point:

140-164 °C

Flash point:

not applicable

Viscosity / kinematic:

not applicable

Water solubility:

insoluble

Solubility in other solvents

Partially soluble in cyclohexane, fully soluble in boiling xylene

Partition coefficient n-octanol/water:

not applicable

Vapour pressure:

not applicable

Density (at 23 °C):

0,85-1,11 g/cm<sup>3</sup>

Relative vapour density:

not applicable

**Test method**

ISO 3146

ISO 1183

**9.2. Other information****Information with regard to physical hazard classes**

Explosive properties

not applicable

Oxidizing properties

not applicable

**Other safety characteristics**

Evaporation rate:

not applicable

Softening point:

50-115 °C

Viscosity / dynamic:

not applicable

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Point of decomposition &gt; 300 at °C:

Point of auto-ignition &gt;370 at °C:

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

There is no known danger of reactivity.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Hazardous reactions: will not occur.

**10.4. Conditions to avoid**

Molten resin temperature above 300 at °C:

**10.5. Incompatible materials**

No specific data.

**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 hazard classes as defined in GB CLP Regulation****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

**11.2. Information on other hazards****Further information**

non-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

**12.2. Persistence and degradability**

Not expected to be biodegradable.

**12.3. Bioaccumulative potential**

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This material is not expected to bioaccumulate.

**12.4. Mobility in soil**

Floats on water. Remains on surface of soil.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

No data available.

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

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

**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 the present level of our knowledge. It does not, however, give assurance 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:**

This safety datasheet should be used in conjunction with technical datasheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose than that for which it was intended. This does not in any way excuse the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfil his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility. Furthermore, this safety datasheet is made up based on the legal requirements as set by EC 1272/2008 based on information as is available per July 2017 ( date of entry into force ). That information that is not yet filled in depends on the input we receive from our suppliers following the time scale as foreseen by EC 1272/2008 and depends solely on the registration of the concerned substances. The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

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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.)*