

EU-SAFETY DATA SHEET
according to Regulation (EC) No. 453/2010
THERMOPLASTIC ELASTOMERS

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product name: SOLPLAST

Production codes: TH, TV, TC, TE, TP

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Use for injection moulding and extrusion of parts for different sectors of industry (buildings and construction, household and furniture, sports, automotive, footwear and more...

Uses advice against: No additional information available

1.3 Details of the supplier of the safety data sheet :**1.3.1 Supplier**

Uteksol d.o.o.

1.3.2 Address of the supplier with a telephone number

Pohorska cesta 6a
2380 Slovenj Gradec
Slovenija
t: +386 (2) 88 42 451
f: +386 (2) 88 44 102

1.3.3 Contact person (e-mail address)

David Pačnik

david.pacnik@uteksol.si

1.4 Emergency telephone number

In the case of health hazard, consult a private doctor or doctor on duty. In the event of life-threatening situations call 112 or other emergency telephone number assigned to your country.

Additional information available: On weekdays from 7 – 15 hour

t: +386 (2) 88 42 451

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2 Hazards identification

2.1 Classification of the substance or mixture

The product is not classified according to Regulation (EC) No. 1272/2008 [CLP]

2.2 Label elements

Hazard pictograms: None

Signal words: None

Hazard statements: None

No labeling applicable according to Regulation (EC) No. 1272/2008 [CLP]

2.3 Other hazards

No additional information available

3 Composition/information on ingredients

3.1 Substances / Mixtures

Mixtures of SBS, SEBS, SEEPS block copolymers with paraffinic naphthenic and paraffinic mineral oils, UV and AO stabilizers, pigments and fillers like CaCO₃, SiO₂, talc,... Can contain; PS, PP, PE, EVA, EPDM and others.

All monomers, polymers, substances and additives that material contains are classified as non-hazardous and chemical disclosure is not required by regulations.

While not required, polymers are described below with their CAS Numbers.

NAME	CAS NUMBER	CLASSIFICATION ACCORDING TO REGULATION (EC) No. 1272/2008 [CLP]
Styrene-Ethylene/Butylene-Styrene Polymer (SEBS)	66070-58-4	Not classified
Hydrogenated styrene isoprene butadiene block copolymer (SEEPS)	132778-07-5	Not classified
Ethylene Propylene Diene Monomer (EPDM)	25038-36-2	Not classified
Styrene butadiene styrene block copolymer (SBS)	91261-65-3	Not classified

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4 First aid measures

4.1 Description of First Aid Measures

General:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.
After inhalation:	In the case of inhalation of gases generated during combustion of the material, it is necessary to move the injured person outside and supply with fresh air. Seek medical treatment.
After skin contact:	Wash hands with soap and water. If contact with molten product, immediately flush with cool water. DO NOT PULL solidified product off skin. Seek medical treatment.
After eye contact:	Rinse eyes with plenty of water. If contact with molten product, immediately flush with cool water. Seek medical treatment.
After ingestion:	Do not induce vomiting. Get medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

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4.3 Indication of any immediate medical attention and special treatment needed

If contact with molten product, immediately flush with cool water. **DO NOT PULL solidified product off skin.** Seek medical treatment.

5 Firefighting measures

5.1 Extinguishing media

Suitable Extinguishing Media:	Carbon Dioxide, dry chemical powder or water spray. For Large fires use foam, water spray and call for fire - fighting assistance. Sand and earth may be used for small fires only.
Unsuitable Extinguishing Media:	Do not use a solid water stream as it may scatter and spread fire.

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5.2 Special hazards arising from the substance or mixture

Fire hazard:	Not flammable but will burn. Combustion of products may include carbon monoxide and carbon dioxide.
Other hazards:	Compounds with the addition of the expanding agent can emit NO _x gases.

5.3 Advice for firefighters

Protection gear:	Full protective clothing and self-contained breathing apparatus.
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6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

General measures:	If spilled, may cause a slipping hazard. Take precautionary measures against static discharge. Product has a tendency to accumulate static charge during transport, handling and processing. Earth/Ground processing equipment. Avoid contact with the heated and molten material. Do not inhale vapors and fumes generated if the material is overheated – Use local exhaust ventilation during processing.
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6.2 Environmental precautions

Prevent entry to sewers and public waters.

6.3 Methods and material for containment and cleaning up

For containment:	Sweep up. Products are non-hazardous waste. Proper disposal should be evaluated based on local regulations/legislation or directives.
For cleaning up:	Sweep or shovel into suitable containers. Store away from other materials.

6.4 Reference to other sections

Refer to Sections 7, 8 and 13.

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7 Handling and storage

7.1 Precautions for Safe Handling

Avoid the dispersion of material on the ground - the possibility of falling. Product has a tendency to accumulate static charge during transport, handling and processing. Earth/Ground processing equipment. Considering the risks of electrostatic discharges, handling the products in potentially flammable atmospheres should be evaluated. Static charge buildup can be a potential fire hazard when used in the presence of volatile or flammable mixtures. Keep away from ignition sources. Avoid contact with the heated and molten material. Do not inhale vapors and fumes generated if the material is overheated – Use local exhaust ventilation during processing. Processing temperatures for this compounds are between 150 and 230°C. Avoid eating, drinking and smoking in work areas.

7.2 Conditions for safe storage, including any incompatibilities

Do not store outside. Keep container dry and store in original packing. Keep in a cool, well-ventilated place. Products contain an antioxidant to aide in stabilizing the polymer over its recommended use and storage conditions. Exposure to direct sunlight or elevated temperatures over prolonged periods of time consumes the antioxidant at an increased rate and may lead to self-heating. Protect from direct sunlight and from other heat sources (hot heaters, indirect heat sources). Do not stack the pallets.

7.3 Specific end use(s)

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8 Exposure Controls/Personal Protection

8.1 Control parameters

8.1.1 Maximum occupational exposure limit value

All monomers, polymers, substances and additives, which material contains, are classified as non-hazardous and occupational exposure limit is not applicable.

8.2 Exposure controls

Appropriate Technical - Engineering Controls:

Use local exhaust ventilation during processing. When transferring products, earth/ground all subsequent equipment to minimize charges that may develop.

Personal protective equipment:

Protective gloves. Safety glasses. Protective clothing.



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Materials for protective clothing:	Standard issue work clothes, which may include apron, antistatic safety shoes or boots as necessary.
Eye protection:	Safety glasses.
Skin protection:	Cloth gloves. Use heat protective gloves when handling hot, molten product.
Respiratory protection:	Use local exhaust ventilation.
Other Information:	Do not eat, drink or smoke in work areas.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Solid
Appearance:	Granulate; natural or coloured
Odor:	Essentially odourless.
Odor threshold:	No data available
pH:	Not Applicable (Insoluble)
pH solution:	Not Applicable (Insoluble)
Relative evaporation rate (butyl acetate=1):	Not applicable
Melting point:	Not determined
Freezing point:	Not determined
Boiling point:	Not applicable
Flash point:	Not applicable
Auto-Ignition:	Not determined
Decomposition temperature:	Not determined
Flammability (solid, gas):	Not a Flammable Solid
Vapor pressure:	Not applicable

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Relative vapor density at 20 °C:	Not applicable
Relative density:	0,90 – 1,25 g/cm ³ at 20°C
Solubility:	Insoluble in water, bases and acids (polar solvents).
Viscosity, kinematic:	Not applicable
Viscosity, dynamic:	Not applicable
Explosive Properties:	No data available
Oxidizing properties:	No data available
Explosive limits:	Not determined

9.2 Other information

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10 Stability and reactivity

10.1 Reactivity

Non-reactive.

10.2 Chemical stability

Stable under recommended ambient conditions.

10.3 Possibility of Hazardous Reactions

Risk of self-heating under long term exposure to high temperatures

10.4 Conditions to Avoid

Avoid prolonged exposure to heat or UV light since this may affect product properties. Product will burn when exposed to continuous sources of ignition (the presence of open flames, sparks ...).

10.5 Incompatible Materials

It is not compatible with polar plastics, except for Series 9000 D0, D and D1.

10.6 Hazardous Decomposition Products

Hazardous vapours from heated product are not expected to be generated under normal processing temperatures and conditions. No hazardous decomposition under ambient temperatures. A variety of thermal decomposition products may be present if the product is over heated, is smouldering or catches fire. Typical decomposition products are ultimately oxides of carbon.

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11 Toxicological information

11.1 Information on toxicological effects

Acute Toxicity:	Not classified
Skin corrosion/irritation:	Not classified
	No data available
	pH: Not Applicable (Insoluble)
Serious eye damage/irritation:	Not classified
	No data available
	pH: Not Applicable (Insoluble)
Respiratory or skin sensitization:	Not classified
	No data available
Germ Cell Mutagenicity:	Not classified
Carcinogenicity:	Not classified
	No data available
Reproductive Toxicity:	Not classified
	No data available
Specific target organ toxicity (single exposure):	Not classified
	No data available
Specific target organ toxicity (repeated exposure):	Not classified
	No data available
Aspiration hazard:	Not classified Not possible due to product's physical form
Potential Adverse human health effects and symptoms:	No data available
IARC group:	Group 3 - Not classified as carcinogenic

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12 Ecological information

12.1 Toxicity

For fish:	Not applicable
For aquatic plants:	Not applicable
For aquatic invertebrates:	Not applicable

Tests for ecological toxicity have not been performed. In our experience and according to information available to us the product has no environmental detrimental properties if it is handled and disposed according to the given recommendations.

12.2 Persistence and degradability

Products are inert and not biodegradable.

12.3 Bioaccumulative potential

Not applicable, Not expected to bioaccumulate, since it is not soluble in water and not biodegradable.

12.4 Mobility in Soil

Not mobile. Remains on surface of soil.

12.5 Results of PBT and vPvB assessment

Does not meet the criteria in ANNEX XIII of Regulation 1907/2006. Not classified.

12.6 Other adverse effects

No data available.

13 Disposal Considerations

13.1 Waste treatment methods

Product:	Production scrap can be 100% recycled and mixed to the original material (up to 20% recycled material in the original). Disposed of in accordance with current legislation (Regulation on waste).
Packaging:	Pure packaging can be recycled. Impure could be removed in accordance with the current legislation (Regulation on waste).

14 Transport information

In accordance with ADR / RID / IMDG / IATA / ADN the product is not classified as dangerous.

14.1 UN Number

A product, according to international transport regulations is not classified as dangerous.

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14.2 UN Proper Shipping Name

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14.3 Transport hazard class (es)

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14.4 Packing group

Without restrictions.

14.5 Environmental hazards

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14.6 Special precautions for user

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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Without restrictions.

15 Regulatory information

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture

The product is not classified as hazardous substance according to Regulation (EC) No. 1272/2008 [CLP].

15.2 Chemical safety assessment

The chemical safety assessment was not carried out.

16 Other Information

Revision Date: 10.3.2016

Version Number: 00

Data sources:

Regulation (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

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Explanation of abbreviations and acronyms
used in material safety data sheet:

ADR - EU agreement for the International Carriage of Dangerous Goods by Road, as amended
RID - EU Standards Regulations Concerning the International Transport of Dangerous Goods by Rail
IMDG - International Maritime Code for Dangerous Goods, as amended.
IATA - International Air Transport Association
CLP - Rules on the Classification, Labelling and Packaging of hazardous chemicals
REACH - Registration, Evaluation and Authorization of Chemicals, Regulation (EC) No 1907/2006, Article 31, as amended.
PBT - Persistent, Bioaccumulative and Toxic
VPvB - Very Persistent and Very Bioaccumulative
CAS – Chemical Abstracts Service
MARPOL – International Convention for the Prevention of Pollutants from Ships, 1973, as amended.
IBC – International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals transported in liquid form

DISCLAIMER:

Not suitable for use in sensitive applications such as foodpacking.

Advice in this document relates only to the product as originally supplied. Where other ingredients are added in the processing of this product, advice should be sought on their safe handling and use.

SOLPLAST is the commercial name for compounds made in UTEKSOL. Information in this document apply only to mention SOLPLAST products produced in the company UTEKSOL Slovenj Gradec.

The information in this document is based on our current knowledge and is intended to describe the product for the purposes of Health, Safety and Environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

The information, data and recommendations are made to our reasonable ability in good faith and obtained from reliable sources. Completeness is not guaranteed. The Safety Data Sheet is guidance for product users. We believe the information set forth in this document to be true and accurate, but any recommendations, statements or suggestions made in the foregoing text are without any warranty or guarantee whatsoever, and shall establish no legal duty or responsibility on the part of the author or their employer.

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