

**Safety data sheet**

according to 1907/2006/EC, Article 31

Printing date 05.04.2011

Version number 8

Revision: 05.04.2011

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

- **Product identifier**
- **Trade name:** **Europrene SOL 1205 – Europrene SOL B**
- **Registration number** N.A.
- **Chemical name** Styrene-Butadiene partial block copolymer - solution polymerized (S-SBR)
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** Production of various rubber final applications.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** Polimeri Europa UK Ltd  
Cadland Road, Hardley - Hythe  
Southampton SO45 3YY  
Tel. N°: +44 23 80894919
- **E-mail address of the competent person responsible for the SDS:** e-mail: SDS.PE@polimerieuropa.com
- **Emergency telephone number:** Centro Nazionale di Informazione Tossicologica (24h): (+39) 0382 24444

**2 Hazards identification**

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008** The product is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** The preparation is not classified as dangerous according to Directive 1999/45/EC and following amendments.
- **Information concerning particular hazards for human and environment:** Void  
The product is not hazardous in the form in which it is placed on the market and under the normal and recommended conditions of storage and use. The product is not dangerous according to the criteria set by the European Union. See also sections 4 and 11.  
The preparation is stable under normal conditions of storage and use. It is not hazardous to the environment in its normal state.  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

(Contd. on page 2)

**Safety data sheet**

according to 1907/2006/EC, Article 31

Printing date 05.04.2011

Version number 8

Revision: 05.04.2011

**Trade name: Europrene SOL 1205 – Europrene SOL B**

(Contd. of page 1)

- **Classification system:** The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture: consisting of the following components.
- **Dangerous components:** Void
- **Additional information:** For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Dust or gas/vapours released by heat: move the affected person away from the contaminated area into fresh air; seek medical assistance.
- **After skin contact:** In case of contact with melted material, cool down with cold water and seek medical assistance. Do not remove the product that solidified on skin. Treat as a burn.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** N.A.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** Dust or gas/vapours released by heat: irritation of the respiratory organs. Eyes reddening.

(Contd. on page 3)



## Safety data sheet

according to 1907/2006/EC, Article 31

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Version number 8

Revision: 05.04.2011

Trade name: **Europrene SOL 1205 – Europrene SOL B**

(Contd. of page 2)

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5 Firefighting measures

· **Extinguishing media**  
· **Suitable extinguishing agents:**  
· **Special hazards arising from the substance or mixture**

Water, water spray, foam, dry chemicals, carbon dioxide.

The product, when involved in a fire, burns with a sooty flame and release fumes made up of water, carbon dioxide, carbon monoxide (when starved of oxygen) and other combustion products.  
Overheating/pyrolysis evolves vapours made up of monomers, low molecular weight polymers and their oxidation products.

· **Advice for firefighters**  
· **Protective equipment:**  
· **Additional information**

Wear suitable protective clothing (helmet, goggles, fire resistant gloves, boots) and protect respiratory organs (self contained breathing apparatus).  
The product is combustible.  
Cool endangered receptacles with water spray.

### 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**  
· **Environmental precautions:**  
· **Methods and material for containment and cleaning up:**  
· **Reference to other sections**

Not required.

No special measures required.

Collect mechanically. Reuse if possible or dispose of as required by national and local regulations (see section 13).

No dangerous substances are released.  
See Section 13 for disposal information.

— GB —

(Contd. on page 4)

**Safety data sheet**

according to 1907/2006/EC, Article 31

Printing date 05.04.2011

Version number 8

Revision: 05.04.2011

**Trade name: Europrene SOL 1205 – Europrene SOL B**

(Contd. of page 3)

**7 Handling and storage**

- **Handling:**
- **Precautions for safe handling:** During the processing of the product, avoid inhalation of fumes or powders, by providing good ventilation of the workroom and, if necessary, by a suitable exhaust system.
- **Information about fire - and explosion protection:** The product is a poor conductor and it is likely to accumulate electrostatic charges. Precautions normally used for not conductive materials and against the accumulation of electrostatic charges should be used during processes which employ powdered materials or produce dust (e.g.: reduce speed to the minimum, install earthing systems, the absolute prohibition to smoke and use free flames, use inert gases in mills and in the closed systems).
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store the product in a covered place in its sealed packaging, away from direct sunlight and heat sources.  
Ensure the proper ventilation in all storage areas.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Protect from heat and direct sunlight.
- **Specific end use(s):** No further relevant information available.

**8 Exposure controls/personal protection**

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

(Contd. on page 5)

**Safety data sheet**

according to 1907/2006/EC, Article 31

Printing date 05.04.2011

Version number 8

Revision: 05.04.2011

**Trade name: Europrene SOL 1205 – Europrene SOL B**

(Contd. of page 4)

- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Traces of monomers and other volatile substances may be given off during processing, particularly at unusually high processing temperatures. Work rooms must be provided with adequate ventilation and exhaust equipment to collect dust and gas/vapours that may be evolved during the conversion.
- **Respiratory protection:** In normal conditions masks with antidust filters should be available for use when requested.
- **Protection of hands:** Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves** The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material** The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Not necessary when no powders or vapours are present. Where present, wear suitable protective glasses.
- **Body protection:** Standard work clothes.

**9 Physical and chemical properties**

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
  - Form: Bales
  - Colour: Clear
- **Odour:** Light
- **Odour threshold:** Not determined.
- **pH-value:** Not applicable.
- **Change in condition**
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: Undetermined.

(Contd. on page 6)

**Safety data sheet**

according to 1907/2006/EC, Article 31

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Version number 8

Revision: 05.04.2011

**Trade name: Europrene SOL 1205 – Europrene SOL B**

(Contd. of page 5)

- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Not determined.
- **Ignition temperature:** >300°C
- **Decomposition temperature:** >200°C
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
  - Lower: Not determined.
  - Upper: Not determined.
- **Vapour pressure:** Not applicable.
- **Density at 20°C:** 0.93 g/cm<sup>3</sup>
- **Relative density:** Not determined.
- **Vapour density:** Not applicable.
- **Evaporation rate:** Not applicable.
- **Solubility in / Miscibility with water:** Insoluble.
- **Segregation coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic: Not applicable.
  - Kinematic: Not applicable.
- **Solvent content:**
  - Organic solvents: 0.0 %
- **Other information:** No further relevant information available.

**10 Stability and reactivity**

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** Exposure to sunlight and/or heat. Accumulation of electrostatic charges. The product is stable and inert in the recommended storage and handling conditions (see section 7).
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Avoid the contact with oxidising substances.

(Contd. on page 7)

**Safety data sheet**

according to 1907/2006/EC, Article 31

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Version number 8

Revision: 05.04.2011

**Trade name: Europrene SOL 1205 – Europrene SOL B**

(Contd. of page 6)

- **Hazardous decomposition products:** No dangerous decomposition products known.

**11 Toxicological information**

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** The product's dust may cause irritation of eyes.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:** The product does not present any intrinsic health hazard when processed according to correct working procedures. Specific information on the product is not available in the literature. Residual monomers may be present in the product at trace levels, hindered in the polymer matrix and therefore not available in normal conditions. The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)** No evidence of these effects has been reported.

**12 Ecological information**

- **Toxicity**
- **Acquatic toxicity:** No further relevant information available.
- **Persistence and degradability** The product is essentially a high molecular weight polymer, not regarded as ecotoxic.
- **Other information:** The product is a non biodegradable polymer.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** Does not accumulate in organisms
- **Mobility in soil** No further relevant information available.

(Contd. on page 8)

**Safety data sheet**

according to 1907/2006/EC, Article 31

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Version number 8

Revision: 05.04.2011

**Trade name: Europrene SOL 1205 – Europrene SOL B**

(Contd. of page 7)

- **Additional ecological information:**
- **General notes:** Use according to good working practice, and avoid releasing the product into the environment.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

**13 Disposal considerations**

- **Waste treatment methods**
- **Recommendation** The same safety consideration apply to scraps/waste as apply to the product as it is.  
Residues should be disposed of as required by national and local regulations.  
The incineration must be done under approved conditions, possibly with energy recovery and only at suitable facilities equipped with a scrubber for the treatment of fumes before their release into the atmosphere.  
After suitable treatment (cleaning, grinding, etc.), the product can be safely re-used, as is or mixed with fresh material, when this is compatible with the intended final application.  
Landfilling should be avoided as far as possible. If unavoidable, use approved landfill sites.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

**14 Transport information**

- **Maritime transport IMDG:**
- **Marine pollutant:** No
- **Proper shipping name:**
- **MARPOL:** N.A.
- **Special precautions for user** Not applicable.

(Contd. on page 9)

GB





## Safety data sheet

according to 1907/2006/EC, Article 31

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Version number 8

Revision: 05.04.2011

**Trade name: Europrene SOL 1205 – Europrene SOL B**

(Contd. of page 8)

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

### 15 Regulatory information

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

- **Department issuing MSDS:** QHSE/NOCE
- **\* Data compared to the previous version altered.** Data and information contained in this Safety Data Sheet are based on our available knowledge at the last revision date. No guarantee can be given as to the sufficiency of any safety measures contained in this Safety Data Sheet, nor can it be assumed that other or additional measures may not be required under particular or exceptional circumstances. The user must make sure of the fitness and completeness of the information, according to the specific use they want to do.