

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 20.09.2013

Version number 1

Revision: 19.09.2013

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

- **Date of compilation:** 28.10.2009
- **1.1 Product identifier**
- **Trade name:** SR-30 Soluble Support
- **CAS Number:**  
25036-16-2
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the preparation:**  
Soluble Release Material for Stratasys® Inc. FDM™ modelers
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer / Supplier:**  
Stratasys, Inc. Tel +1 952 937 3000  
7665 Commerce Way Fax +1 952 937 0070  
Eden Prairie, MN 55344  
USA
  
- For information in Europe contact:  
  
C.S.B. GmbH Tel.: +49-2151-6520860  
Düsseldorfer Straße 113 Fax: +49-2151-6520869  
D-47809 Krefeld E-Mail: info@csb-online.de  
Germany
- **E-mail address of the competent person responsible for the Safety Data Sheet:** [sdb@csb-online.de](mailto:sdb@csb-online.de)
- **Informing department:** Product safety department
- **1.4 Emergency telephone number:** As above or next toxicological information centre.

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The substance is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC Void**
- **Classification system:** void
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008 Void**
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

- **3.1 Chemical characterization: Substances**
- **CAS No. Designation:**  
25036-16-2 Terpolymer of Methacrylic Acid, Styrene and Butylacrylate
- **Identification number(s):** void, polymer

GB

(Contd. on page 2)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 20.09.2013

Version number 1

Revision: 19.09.2013

**Trade name: SR-30 Soluble Support**

(Contd. of page 1)

**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
- **General information:** Remove contaminated clothing.
- **After inhalation:** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact:**
  - Wash with soap and water.
  - After contact with the molten product, cool rapidly with cold water.
  - Do not pull solidified product away from the skin.
  - Call a doctor immediately.
- **After eye contact:**
  - Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing:** No special measures required.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
  - No further relevant information available.

**SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
  - Carbon dioxide (CO<sub>2</sub>), extinguishing powder or water spray/fog. Fight larger fires with water spray/fog or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**
  - Can be released in case of fire:
    - Smoke
    - Carbon monoxide (CO) and Carbon dioxide (CO<sub>2</sub>)
    - Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information**
  - Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**
  - Wear protective clothing.
  - Avoid contact with eyes.
  - Avoid causing dust.
- **6.2 Environmental precautions:** Do not allow to enter drainage system, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
  - Prevent formation of dust.
  - Collect mechanically.
  - Dispose of the material collected according to regulations.
- **6.4 Reference to other sections**
  - See Section 8 for information on personal protection equipment.

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling**
  - Ensure good ventilation/exhaustion at the workplace.
  - Prevent formation of dust.
  - Any deposit of dust which cannot be avoided must be removed regularly.

(Contd. on page 3)

GB

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 20.09.2013

Version number 1

Revision: 19.09.2013

**Trade name: SR-30 Soluble Support**

(Contd. of page 2)

*Do not breathe dust.*

*Avoid contact with eyes.*

*Make sure that all applicable workplace limits are observed.*

**· Information about protection against explosions and fires:**

*Protect against electrostatic charges.*

*Keep ignition sources away - Do not smoke.*

**· 7.2 Conditions for safe storage, including any incompatibilities**

**· Storage**

**· Requirements to be met by storerooms and containers:**

*Observe all local and national regulations for storage of water polluting products.*

**· Information about storage in one common storage facility:** *Not required.*

**· Further information about storage conditions:** *Store in cool, dry conditions in well sealed containers.*

**· 7.3 Specific end use(s)** *No further relevant information available.*

### **SECTION 8: Exposure controls/personal protection**

**· Additional information about design of technical systems:** *No further data; see item 7.*

**· 8.1 Control parameters**

**· Components with critical values that require monitoring at the workplace:**

*Observe all workplace limits for dust.*

**· Additional information:** *The lists that were valid during the compilation were used as basis.*

**· 8.2 Exposure controls**

**· Personal protective equipment**

**· General protective and hygienic measures**

*Do not breathe dust.*

*Avoid contact with the eyes.*

*Avoid close or long term contact with the skin.*

*Wash hands during breaks and at the end of the work.*

**· Breathing equipment:**

*If all workplace limits are observed and good ventilation is ensured, no special precautions necessary.*

**· Protection of hands:** *Use heat resistant gloves when handling hot/molten product.*

**· 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.*

**· 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:** *Safety glasses*

**· Body protection:** *Body protection must be chosen depending on activity and possible exposure.*

### **SECTION 9: Physical and chemical properties**

**· 9.1 Information on basic physical and chemical properties**

**· General Information**

**· Appearance:**

**Form:** Pellets

**Colour:** milky white

**· Smell:** nearly odourless

**· Odour threshold:** no data available

**· pH-value:** not applicable

(Contd. on page 4)

GB

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 20.09.2013

Version number 1

Revision: 19.09.2013

Trade name: SR-30 Soluble Support

(Contd. of page 3)

· <b>Change in condition</b>	
Melting point/Melting range:	no data available
Boiling point/Boiling range:	no data available
· <b>Flash point:</b>	no data available
· <b>Inflammability (solid, gaseous)</b>	not classified as flammable solid
· <b>Ignition temperature:</b>	> 450 °C
· <b>Decomposition temperature:</b>	> 290 °C
· <b>Self-inflammability:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product is not explosive.
· <b>Critical values for explosion:</b>	
Lower:	not determined
Upper:	not determined
· <b>Oxidizing properties</b>	not applicable
· <b>Vapor pressure:</b>	not determined
· <b>Density at 20 °C:</b>	1.1 g/cm <sup>3</sup>
· <b>Relative density at 20 °C</b>	1.1 (H <sub>2</sub> O = 1)
· <b>Vapour density (AIR = 1):</b>	not determined
· <b>Evaporation rate</b>	not determined
· <b>Solubility in / Miscibility with Water:</b>	insoluble
· <b>Partition coefficient (n-octanol/water):</b>	not determined
· <b>Viscosity:</b>	
dynamic:	not applicable
kinematic:	not applicable
· <b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** see 10.3
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.  
Avoid impact, friction, heat, sparks, electrostatic charges.
- **10.3 Possibility of hazardous reactions** Toxic fumes may be released if heated above the decomposition point
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
Carbon monoxide (CO) and Carbon dioxide (CO<sub>2</sub>)  
Possible in traces.  
Hydrocarbons  
Styrene  
Nitrogen oxides (NO<sub>x</sub>)  
Organic acids  
Acrylmonomers, Acrylcompounds  
Alcohols

GB

(Contd. on page 5)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 20.09.2013

Version number 1

Revision: 19.09.2013

Trade name: SR-30 Soluble Support

(Contd. of page 4)

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** no data available
- **Primary irritant effect:**
- **on the skin:** Dust particles may mechanically irritate the skin.
- **on the eye:** Dust particles may mechanically irritate the eye.
- **Subacute to chronic toxicity:** not classified
- **Additional toxicological information:**  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- **Sensitisation** No sensitizing effect known.
- **Repeated dose toxicity** not classified
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  
According to present knowledge no CMR-effects known.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **Degree of elimination:** no data available
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Disposal must be made according to official regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- |  |      |
|--|------|
| · <b>14.1 UN-Number</b><br>· <b>ADR, IMDG, IATA</b>                                    | Void |
| · <b>14.2 UN proper shipping name</b><br>· <b>ADR, IMDG, IATA</b>                      | Void |
| · <b>14.3 Transport hazard class(es)</b><br>· <b>ADR, IMDG, IATA</b><br>· <b>Class</b> | Void |
| · <b>14.4 Packing group</b><br>· <b>ADR, IMDG, IATA</b>                                | Void |

(Contd. on page 6)

GB

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 20.09.2013

Version number 1

Revision: 19.09.2013

**Trade name: SR-30 Soluble Support**

(Contd. of page 5)

- |   |   |
|---|---|
| · <b>14.6 Special precautions for user</b>  | <i>Not applicable.</i>                                      |
| · <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | <i>Not applicable.</i>                                      |
| · <b>Transport/Additional information:</b>  | <i>Not dangerous according to the above specifications.</i> |
| · <b>UN "Model Regulation":</b>   | <i>-</i>  |

**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **National regulations**
  - **Decree to be applied in case of technical fault:** *Directive 96/82/EC does not apply.*
  - **Water hazard class:** *Water hazard class 1 (Self-assessment): slightly hazardous for water*
  - **Other regulations, limitations and prohibitive regulations**
- The monomer compounds of this product are listed in:  
EINECS / ELINCS (Europa)*
- **15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

**SECTION 16: Other information**

*These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

**Department issuing MSDS:**

*C.S.B. GmbH  
Düsseldorfer Str. 113  
47809 Krefeld / Germany*

*Phone: +49 - 2151 - 652086-0  
Fax: +49 - 2151 - 652086-9*

**Abbreviations and acronyms:**

*RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organization  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent*

GB