

**1 Identification of the substance/mixture and of the company/undertaking****· Product identifier****· Trade name:** SR-30 Soluble Support**· CAS Number:**

25036-16-2

**· 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

**· Details of the supplier of the safety data sheet****· Manufacturer/Supplier:**

Stratasys, Inc.

7665 Commerce Way

Eden Prairie, MN 55344

USA

Tel +1 952 937 3000

Fax +1 952 937 0070

**In Europe:**

C.S.B. GmbH

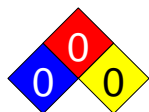
Parkstraße 29

D-47829 Krefeld

Germany

Tel.: +49-2151-6520860

Fax: +49-2151-6520869

E-Mail: [info@csb-online.de](mailto:info@csb-online.de)**· Information department:** Product safety department.**· Emergency telephone number:** see above**2 Hazards identification****· Classification of the substance or mixture****· Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Void**· Classification system:** Void**· Label elements****· Labelling according to EU guidelines:** Observe the general safety regulations when handling chemicals**· Classification system****· NFPA ratings (scale 0-4)**

Health = 0

Fire = 0

Reactivity = 0

**· HMIS**

HEALTH 0 Health = 0

FIRE 0 Fire = 0

REACTIVITY 0 Reactivity = 0

**· Other hazards****· Results of PBT and vPvB assessment****· PBT:** Not applicable.**· vPvB:** Not applicable.**3 Composition/information on ingredients****· Chemical characterization:** Substances**· CAS No. Description:**

25036-16-2 Terpolymer of Methacrylic Acid, Styrene and Butylacrylate

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USA

**Trade name: SR-30 Soluble Support**· **Identification number(s):** void, polymer

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#### 4 First aid measures

- **Description of first aid measures**
- **General information** Remove contaminated clothing.
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **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 a doctor.
- **After swallowing** No special measures required.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

#### 5 Firefighting measures

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

#### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective clothing.  
Avoid contact with eyes.  
Avoid formation of dust.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Prevent formation of dust.  
Pick up mechanically.  
Dispose of the collected material according to regulations.
- **Reference to other sections**  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

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## 7 Handling and storage

**· 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 regularly removed.

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.

**· Conditions for safe storage, including any incompatibilities****· Storage****· Requirements to be met by storerooms and receptacles:**

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

## 8 Exposure controls/personal protection

**· Additional information about design of technical systems:** No further data; see item 7.**· Control parameters****· Components with limit values that require monitoring at the workplace:**

Observe all workplace limits for dust:

TLV inhalable dust: 15 mg/m<sup>3</sup> OSHA

TLV respirable dust: 5 mg/m<sup>3</sup> OSHA

**· Additional information:** The lists that were valid during the creation were used as basis.**· 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 before breaks and at the end of 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.

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### 9 Physical and chemical properties

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

· **General Information**

· **Appearance:**

· <b>Form:</b>	<i>Pellets</i>
· <b>Color:</b>	<i>milky white</i>
· <b>Odor:</b>	<i>Nearly odorless</i>
· <b>Odor threshold:</b>	<i>no data available</i>

· **pH-value:** *Not applicable*

· **Change in condition**

· <b>Melting point/Melting range:</b>	<i>no data available</i>
· <b>Boiling point/Boiling range:</b>	<i>no data available</i>

· **Flash point:** *no data available*

· **Ignition temperature:** *> 450°C (> 842 °F)*

· **Decomposition temperature:** *> 290°C (> 554 °F)*

· **Auto igniting:** *Product is not selfigniting.*

· **Danger of explosion:** *Product does not present an explosion hazard.*

· **Explosion limits:**

· <b>Lower:</b>	<i>Not determined</i>
· <b>Upper:</b>	<i>Not determined</i>

· **Oxidizing properties** *Not applicable*

· **Vapor pressure:** *Not determined*

· **Density at 20°C (68 °F):** *1.1 g/cm<sup>3</sup> (9.18 lbs/gal)*

· **Solubility in / Miscibility with**

· **Water:** *Insoluble*

· **Viscosity:**

· <b>dynamic:</b>	<i>Not applicable</i>
· <b>kinematic:</b>	<i>Not applicable</i>

· **Other information** *No further relevant information available.*

### 10 Stability and reactivity

· **Reactivity**

· **Chemical stability**

· **Thermal decomposition / conditions to be avoided:**

*No decomposition if used and stored according to specifications.  
 Avoid impact, friction, heat, sparks, electrostatic charges.*

· **Possibility of hazardous reactions** *Toxic fumes may be released if heated above the decomposition point*

· **Conditions to avoid** *No further relevant information available.*

· **Incompatible materials:** *No further relevant information available.*

· **Hazardous decomposition products:**

*Carbon monoxide and carbon dioxide  
 Possible in traces.  
 Hydrocarbons  
 Styrene  
 Nitrogen oxides (NOx)  
 Organic acids  
 Acrylmonomers, Acrylcompounds*

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Alcohols

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### 11 Toxicological information

· **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.

· **Sensitization:** No sensitizing effects known.

· **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.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

Substance is not listed.

· **NTP (National Toxicology Program)**

Substance is not listed.

### 12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

· **Degree of elimination:** no data available

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:** Water hazard class 1 (Self-assessment) (German regulation): slightly hazardous for water.

· **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**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to local/official regulations.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to local/official regulations.

### 14 Transport information

· **UN-Number**

· **DOT, ADR, IMDG, IATA** Void

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· <b>UN proper shipping name</b>	
· <b>DOT, IMDG, IATA</b>	Void
· <b>ADR</b>	Void
· <b>Transport hazard class(es)</b>	
· <b>DOT, ADR, IMDG, IATA</b>	
· <b>Class</b>	Void
· <b>Packing group</b>	
· <b>DOT, ADR, IMDG, IATA</b>	Void
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.

### 15 Regulatory information

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

 · **SARA Section 355 (extremely hazardous substances)**

Substance is not listed.

 · **TSCA (Toxic Substances Control Act)**

9003-56-9 Acrylonitrile/butadiene/styrene copolymer

8042-47-5 White mineral oil (petroleum)

 · **Carcinogenity categories**

 · **MAK (German Maximum Workplace Concentration)**

Substance is not listed.

 · **National regulations**

 · **Disturbance regulations:** Directive 96/82/EC does not apply.

 · **Water hazard class:**

Water hazard class 1 (Self-assessment) (German regulation): slightly hazardous for water.

 · **Other regulations, limitations and prohibitive regulations**

The monomer compounds of this product are listed in:

EINECS / ELINCS (Europa)

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

### 16 Other information

This information is based on our present knowledge. However, this 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 Phone: +49 - 2151 - 652086-0

Parkstraße 29 Fax: +49 - 2151 - 652086-9

D-47829 Krefeld

Germany

USA