

Printing date 05/09/2013

Reviewed on 03/07/2013

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

- **Product identifier**

- **Trade name:** *Plastic Modeling Base*

- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.

- **Application of the substance / the preparation**

Plastic modeling base for Stratasys® Inc. and Dimension® 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*

For information in Europe contact:

*C.S.B. GmbH
 Düsseldorf Straße 113
 D-47809 Krefeld
 Germany*

*Tel.: +49-2151-6520860
 Fax: +49-2151-6520869
 E-Mail: 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*

- **Label elements**

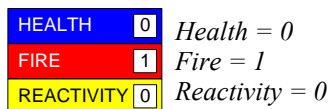
- **Labelling according to EU guidelines:** *Observe the general safety regulations when handling chemicals*

- **Classification system**

- **NFPA ratings (scale 0-4)**



- **HMIS**



- **Other hazards**

- **Results of PBT and vPvB assessment**

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

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

3 Composition/information on ingredients

- **Chemical characterization:** *Mixtures*

- **Description:** *Polymer*

- **Dangerous components:** *Void*

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· Other components:

9003-56-9	Acrylonitrile/butadiene/styrene copolymer	> 98%
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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 inhalation of decomposition products, remove the affected person to a source of fresh air and keep calm. Provide medical aid.

· 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.

If skin irritation continues, consult a doctor.

· After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Remove contact lenses, if present and easy to do.

· After swallowing

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

· 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

 CO₂, 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

 Nitrogen oxides (NO_x)

Carbon monoxide and carbon dioxide

Irritant gases/vapors

In certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:

Hydrogen cyanide (HCN)

Styrene

· Advice for firefighters
· Protective equipment: Wear self-contained respiratory protective device.

· Additional information

Cool endangered receptacles with water spray.

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

Avoid formation of dust.

Do not breathe dust.

Avoid contact with eyes.

· Environmental precautions: Do not allow to enter sewers/ surface or ground water.

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- **Methods and material for containment and cleaning up:**
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.

7 Handling and storage

- **Precautions for safe handling**
Prevent formation of dust.
If dust/smoke is developed, avoid breathing dust/smoke.
Avoid contact with eyes.
Avoid contact with hot product.
Make sure that all applicable workplace limits are observed.
- **Information about protection against explosions and fires:** No special measures required.
- **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 receptacle in a well ventilated area.
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/m³ OSHA
TLV respirable dust: 5 mg/m³ 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 inhale dust / smoke / mist.
Avoid contact with the eyes.
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:**
No chemical-protective gloves required.
Use heat resistant gloves when handling hot/molten product.
- **Eye protection:** Safety glasses
- **Body protection:** Wear heat-resistant protective clothing when handling hot/molten product.

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9 Physical and chemical properties

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

· **General Information**

· **Appearance:**

· Form:	<i>solid</i>
· Color:	<i>Different according to coloring</i>
· Odor:	<i>odorless</i>
· Odor threshold:	<i>no data available</i>

· **pH-value:** *Not applicable*

· **Change in condition**

· Melting point/Melting range:	<i>Not applicable</i>
· Boiling point/Boiling range:	<i>Not applicable</i>

· **Flash point:** *Not applicable*

· **Flammability (solid, gaseous)** *Product is not flammable.*

· **Ignition temperature:** *Not determined*

· **Decomposition temperature:** *> 300 °C (> 572 °F)*

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

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

· **Explosion limits:**

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

· **Oxidizing properties** *Not applicable*

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

· **Density at 20 °C (68 °F):** *1.05 g/cm³ (8.762 lbs/gal)*

· **Relative density at 20 °C (68 °F)** *1.05 (H₂O = 1)*

· **Vapour density (AIR = 1)** *Not determined*

· **Evaporation rate** *Not determined*

· **Solubility in / Miscibility with**

· **Water:** *Insoluble*

· **Partition coefficient (n-octanol/water):** *Not determined*

· **Viscosity:**

· **dynamic:** *Not applicable*

· **kinematic:** *Not applicable*

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

10 Stability and reactivity

· **Reactivity** *see 10.3*

· **Chemical stability**

· **Thermal decomposition / conditions to be avoided:** *Temperature over 300 °C*

· **Possibility of hazardous reactions** *No dangerous reactions known*

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

· **Incompatible materials:** *Strong oxidizing agents*

· **Hazardous decomposition products:**

Irritant gases/vapors

Nitrogen oxides (NO_x)

Carbon monoxide and carbon dioxide

Hydrogen cyanide (prussic acid)

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Styrene

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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)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** Does not accumulate in organisms
- **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** 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 |
| · UN proper shipping name | |
| · DOT, IMDG, IATA | Void |
| · ADR | Void |

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· Transport hazard class(es)	
· DOT, ADR, IMDG, IATA	
· Class	Void
· Packing group	
· DOT, ADR, IMDG, IATA	Void
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	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)**

None of the ingredients is listed.

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

All ingredients are listed.

 · **Carcinogenicity categories**

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

None of the ingredients is 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.

 · **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.

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