

Issuing date 11-Nov-2015

Revision Date 11-Nov-2015

Revision Number A

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

1.1. Product identifier

SSYS Part Number 400617-0002

Product name **ABS-M30i™ Model Material**

Synonyms ABS

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

Recommended use Additive manufacturing

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

| Importer | Supplier |
|---|----------------------|
| Stratasys GMBH | Stratasys Inc |
| Simon Hegele | 7665 Commerce Way |
| Gesellschaft für Logistik und Service mbH | Eden Prairie, MN |
| Tejostraße 1-9 (Unit 5, Gate 67) | 55344 |
| 65479 Raunheim | TEL: 1(952) 937 3000 |
| Germany | |
| TEL: +49 722 977720 | |

For further information, please contact

E-mail address objet-info@stratasys.com

1.4. Emergency telephone number

Emergency Telephone Number 1(952) 937 3000
 +49 722 97772280 - Europe - Multi lingual response
 +49 722 97772281 - Global - English language response

| | |
|--------|-----|
| Europe | 112 |
|--------|-----|

Section 2. Hazards identification

2.1. - Classification of the substance or mixture

REGULATION (EC) No 1272/2008

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008

Physical hazards

| |
|------|
| none |
|------|

2.2. Label elements

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008

Signal Word none

2.3. Other information

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

3.2. Mixtures

| Chemical Name | EC-No | CAS-No | Weight percent | EU - GHS Substance Classification | REACH No. |
|---------------|-------|-----------|----------------|-----------------------------------|-------------------|
| ABS resin | - | 9003-56-9 | 100 | | no data available |

For the full text of the H-Statements mentioned in this Section, see Section 16

Section 4. First aid measures

4.1. Description of first aid measures

| | |
|---------------------|--|
| Eye contact | Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician. |
| Skin contact | Wash off with water. If molten polymer contacts the skin, cool rapidly with cold water. Do not attempt to peel cured polymer from skin. Removal of solidified molten material from skin requires medical assistance. |
| Ingestion | Drink plenty of water. Do NOT induce vomiting. If symptoms persist, call a physician. |
| Inhalation | Move to fresh air. If symptoms persist, call a physician. |

4.2. Most important symptoms and effects, both acute and delayed

Most Important Symptoms/Effects No information available.

4.3. Indication of immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water. Dry powder. Foam. Carbon dioxide (CO₂).

Extinguishing Media Which Must not be Used for Safety Reasons

No information available.

5.2. Special hazards arising from the substance or mixture

Special Exposure Hazards Arising from the Substance or Preparation Itself, Combustion Products, Resulting Gases

Burning produces noxious and toxic fumes. Aldehydes. Carbon monoxide. Carbon dioxide (CO₂). Hydrogen cyanide.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Ensure adequate ventilation.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so.

6.3. Methods and materials for containment and cleaning up

Sweep up and shovel into suitable containers for disposal.

6.4. Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage

7.1. Precautions for safe handling

Handling

Handle in accordance with good industrial hygiene and safety practise. Wear personal protective equipment. Ensure adequate ventilation. Prevent contact with molten product. Do not eat, drink or smoke when using this product. Do not take internally. Wash thoroughly after handling.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practise.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed in a dry and cool place.

7.3. Specific end uses

Exposure scenario

No information available

Other Guidelines

No information available

Section 8. Exposure controls/personal protection

8.1. Control parameters

Exposure limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Derived No Effect Level

No information available.

Predicted No Effect Concentration (PNEC)

No information available.

8.2. Exposure controls

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye Protection

Safety glasses with side-shields. For handling molten material, use of a faceshield is recommended.

Skin and body protection

No protective equipment is needed under normal use conditions.

| | |
|-------------------------------|--|
| Hand protection | When handling hot material, use heat resistant gloves. |
| Respiratory protection | No protective equipment is needed under normal use conditions. |

Environmental Exposure Controls No information available.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | | |
|-----------------------|--------------------|-------------------|----------------|
| Physical State | Solid (compressed) | Appearance | natural colour |
| Odour | none | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks/ - Method</u> |
|---|-------------------|--------------------------|
| pH | no data available | None known |
| Melting point/range | no data available | None known |
| Boiling point/boiling range | no data available | None known |
| Flash point | no data available | None known |
| Evaporation rate | no data available | None known |
| Flammability (solid, gas) | no data available | None known |
| Vapour pressure | no data available | None known |
| Vapour density | no data available | None known |
| Relative density | no data available | None known |
| Water solubility | no data available | None known |
| Solubility in other solvents | no data available | None known |
| Partition coefficient: n-octanol/water | no data available | None known |
| Autoignition temperature | no data available | None known |
| Decomposition temperature | no data available | None known |
| Viscosity | no data available | None known |
| Explosive properties | no data available | |
| Oxidising properties | no data available | |

9.2. Other information

| | |
|-----------------------------------|--------------------------|
| VOC Content (%) | No information available |
| Flammability Limits in Air | no data available |

Section 10. Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Incompatible products.

Incompatible materials

Strong oxidising agents.

10.6. Hazardous decomposition products

Carbon oxides. Aldehydes. Hydrogen cyanide.

Section 11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Product Information

Inhalation

Exposure to volatiles released during hot processing may cause respiratory tract irritation.

Eye contact

Contact with eyes may cause irritation.

Skin contact

Contact with molten material will cause thermal burns.

Ingestion

Not an expected route of exposure. Ingestion may cause stomach discomfort.

Sensitisation

No information available.

Mutagenic effects

No information available.

Carcinogenic effects

No information available.

Reproductive toxicity

No information available.

Developmental Toxicity

No information available.

Specific target organ systemic toxicity (single exposure)

No information available.

Specific target organ systemic toxicity (repeated exposure)

No information available.

Target Organ Effects

Eyes. Skin.

Aspiration hazard

No information available.

Section 12. Ecological information

12.1. Toxicity

Ecotoxicity effects

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

Adsorbs on soil.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

This product does not contain any known or suspected endocrine disruptors

Section 13. Disposal considerations

13.1. Waste treatment methods

| | |
|--|--|
| Waste from residues / unused products | Dispose of in accordance with local regulations. |
| Contaminated packaging | Empty containers should be taken to an approved waste handling site for recycling or disposal. |

Section 14. Transport information

IMDG/IMO

| | |
|--|--------------------------|
| 14.1. UN-Number | not regulated. |
| 14.2. Proper shipping name | Not regulated. |
| 14.3. Hazard class | not regulated. |
| 14.4. Packing group | not regulated. |
| Description | Not applicable. |
| 14.5. Marine pollutant | None. |
| 14.6. Special Provisions | none. |
| 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | No information available |

RID

| | |
|-----------------------------|----------------|
| 14.1. UN-Number | not regulated. |
| 14.2. Proper shipping name | Not regulated. |
| 14.3. Hazard class | not regulated. |
| 14.4. Packing group | not regulated. |
| Description | Not applicable |
| 14.5. Environmental hazard. | None |
| 14.6. Special Provisions | none. |

ADR

| | |
|-----------------------------|----------------|
| 14.1. UN-Number | not regulated. |
| 14.2. Proper shipping name | Not regulated. |
| 14.3. Hazard class | Not regulated. |
| 14.4. Packing group | not regulated. |
| Description | Not applicable |
| 14.5. Environmental hazard. | None |
| 14.6. Special Provisions | None |

ICAO

| | |
|-----------------------------|----------------|
| 14.1. UN-Number | not regulated. |
| 14.2. Proper shipping name | not regulated. |
| 14.3. Hazard class | not regulated. |
| 14.4. Packing group | not regulated. |
| Description | Not applicable |
| 14.5. Environmental hazard. | None |
| 14.6. Special Provisions | None |

IATA

| | |
|----------------------------|----------------|
| 14.1. UN-Number | not regulated. |
| 14.2. Proper Shipping Name | Not regulated. |

| | |
|-----------------------------|----------------|
| 14.3. Hazard class | not regulated. |
| 14.4. Packing group | not regulated. |
| Description | Not applicable |
| 14.5. Environmental hazard. | None |
| 14.6. Special Provisions | None |

Section 15. Regulatory information

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

International Inventories

| | |
|---------------|----------------|
| TSCA | Complies |
| EINECS/ELINCS | not determined |
| DSL/NDSL | Complies |
| PICCS | Complies |
| ENCS | Complies |
| IECSC | Complies |
| AICS | Complies |
| KECL | Complies |

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No information available

Section 16. Other information

Key literature references and sources for data

www.ChemADVISOR.com/

| | |
|---------------|------------------|
| Issuing date | 11-Nov-2015 |
| Revision Date | 11-Nov-2015 |
| Revision Note | Initial Release. |

This safety data sheet complies with the requirements of Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006

Disclaimer

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End of Safety Data Sheet