Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name
OBJET Support SUP706

Chemical Family
acrylic compounds

Restrictions on Use
None known.

Details of the supplier of the safety data sheet
Stratasys GmbH
Airport Boulevard B 210
D-77836
Rheinmünster Germany
Phone: +49 722 97 77 20
Emergency Phone #: +49 722 97772280
E-mail: objet-info@stratasys.com
www.stratasys.com

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.
Skin Corrosion/Irritation - Category 2
Serious Eye Damage/Eye Irritation - Category 2

GHS Label Elements

Symbol(s)

⚠️

Signal Word
Warning

Hazard Statement(s)
Causes skin irritation.
Causes serious eye irritation.

Precautionary Statement(s)

Prevention
Wear protective gloves/protective clothing/eye protection/face protection.

Response
Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS</th>
<th>Component Name</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>57-55-6</td>
<td>1,2-Propylene glycol</td>
<td>&lt;35</td>
</tr>
<tr>
<td>25322-68-3</td>
<td>Polyethylene glycol</td>
<td>&lt;30</td>
</tr>
<tr>
<td></td>
<td>Acrylic monomer</td>
<td>&lt;25</td>
</tr>
<tr>
<td>947-19-3</td>
<td>Methanone, (1-hydroxycyclohexyl)phenyl-</td>
<td>&lt;2</td>
</tr>
</tbody>
</table>

The chemical identity and/or percentage of composition is being withheld as a trade secret.

Section 4 - FIRST AID MEASURES

Inhalation
If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

Skin
IF ON SKIN: Wash with plenty of soap and water. Get medical advice/attention. Wash contaminated clothing before reuse.

Eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion
If swallowed, get medical attention.

Most Important Symptoms/Effects
Acute
skin irritation, eye irritation.
Delayed
No information on significant adverse effects.

Note to Physicians
No additional information available.

---

**Section 5 - FIRE FIGHTING MEASURES**

**Extinguishing Media**

**Suitable Extinguishing Media**
Use extinguishing agents appropriate for surrounding fire. Class B fires. Use carbon dioxide (CO2), regular dry chemical (sodium bicarbonate), regular form (Aqueous Film Forming Foam-AFFF), or water spray to cool containers.

**Unsuitable Extinguishing Media**
None known.

**Special Hazards Arising from the Chemical**
Slight fire hazard.

**Hazardous Combustion Products**
oxides of carbon

**Fire Fighting Measures**
Move material from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Keep unnecessary people away, isolate hazard area and deny entry. Keep out of water supplies and sewers. Avoid inhalation of material or combustion by-products.

**Special Protective Equipment and Precautions for Firefighters**
Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure. Avoid inhalation of material or combustion by-products.

---

**Section 6 - ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures**
Wear personal protective clothing and equipment, see Section 8.

**Methods and Materials for Containment and Cleaning Up**
Intact cartridges do not pose a leak or spill hazard. Damaged cartridges may leak uncured ink. Stop leak if possible without personal risk. Reduce vapors with water spray. Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal. Flush spill area with water. Keep out of water supplies and sewers.

**Environmental Precautions**
Avoid release to the environment.

---

**Section 7 - HANDLING AND STORAGE**
Precautions for Safe Handling
Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling.

Conditions for Safe Storage, Including any Incompatibilities
None needed according to classification criteria. Store in accordance with all current regulations and standards. Store between 15°C and 25°C. Shipment temperature (up to 5 weeks) is -20°C to 50°C. Store in a combustible storage area away from heat and open flame. Store in a cool, dry place. Avoid direct sunlight. Keep in the dark. Keep separated from incompatible substances.

Incompatible Materials
None applicable.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits
ACGIH, NIOSH, EU, OSHA (US) and Mexico have not developed exposure limits for any of this product’s components.

EU - Occupational Exposure (98/24/EC) - Binding Biological Limit Values and Health Surveillance Measures
There are no biological limit values for any of this product’s components.

ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)
There are no biological limit values for any of this product’s components.

Engineering Controls
Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection
Eye protection not required under normal conditions. Chemical goggles or safety glasses with side shields should be worn when handling a damaged cartridge.

Skin Protection
Protective clothing is not required under normal conditions. Wear neoprene or nitrile impervious gloves when handling damaged cartridge. Wash contaminated clothing before reuse.

Respiratory Protection
Respiratory protection is not generally needed when using this product.

Glove Recommendations
Wear neoprene or nitrile impervious gloves when handling damaged cartridge.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Ink cartridge containing yellowish liquid Ink</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>liquid</td>
</tr>
</tbody>
</table>
### Odor
characteristic odor

### Odor Threshold
Not available

### Melting Point
Not available

### Freezing point
Not available

### Boiling Point
Not available

### Boiling Range
Not available

### Autoignition
Not available

### Lower Explosive Limit
Not available

### Upper Explosive Limit
Not available

### Vapor Density (air=1)
Not available

### Water Solubility
Not available

### Viscosity
Not available

### Density
Not available

### Molecular Weight
Not available

### Color
yellowish

### pH
Not available

### Boiling Point
Not available

### Evaporation Rate
Not available

### Flammability (solid, gas)
Not available

### Flash Point
>100 °C (>212 °F)

### Decomposition
Not available

### Vapor Pressure
Not available

### Specific Gravity (water=1)
Not available

### Partition coefficient: n-octanol/water
Not available

### Solubility (Other)
Not available

### Physical Form
liquid

---

**Section 10 - STABILITY AND REACTIVITY**

**Reactivity**
Heating may cause a fire.

**Chemical Stability**
Unstable on exposure to light. Unstable on exposure to heat.

**Possibility of Hazardous Reactions**
Uncured ink will polymerize on exposure to light.

**Conditions to Avoid**
Avoid exposure to heat and light.

**Incompatible Materials**
Not applicable under normal conditions of use and storage.

**Hazardous decomposition products**
Combustion
Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

**Inhalation**
May cause respiratory tract irritation.

**Skin Contact**
May cause skin irritation.

**Eye Contact**
May cause eye irritation.

**Ingestion**
No hazard is expected from the normal use of this product.

**Acute and Chronic Toxicity**
No hazard is expected from the normal use of this product. While unlikely, uncured ink may leak from damaged ink cartridges and cause skin and eye irritation. Contact with skin may cause tingling sensation or skin irritation. Contact with eyes may cause eye irritation, inflammation, or eye damage.

**Component Analysis - LD50/LC50**
The components of this material have been reviewed in various sources and the following selected endpoints are published:

- 1,2-Propylene glycol (57-55-6)
  - Oral LD50 Rat 20 g/kg
  - Dermal LD50 Rabbit 20800 mg/kg
- Polyethylene glycol (25322-68-3)
  - Oral LD50 Rat 22 g/kg
  - Dermal LD50 Rabbit >20 mL/kg

**Immediate Effects**
May cause skin irritation. May cause eye irritation.

**Delayed Effects**
No information on significant adverse effects.

**Irritation/Corrosivity Data**
Contact with uncured ink may cause eye damage and skin irritation.

**Respiratory Sensitization**
No data available for the mixture.

**Dermal Sensitization**
No data available for the mixture.

**Component Carcinogenicity**
None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA

**Germ Cell Mutagenicity**
No data available for the mixture.

**Tumorigenic Data**
No data available
Reproductive Toxicity
No data available for the mixture.

Specific Target Organ Toxicity - Single Exposure
No target organs identified.

Specific Target Organ Toxicity - Repeated Exposure
No target organs identified.

Aspiration hazard
No data available for the mixture.

Medical Conditions Aggravated by Exposure
No data available.

---

**Section 12 - ECOLOGICAL INFORMATION**

**Component Analysis - Aquatic Toxicity**

<table>
<thead>
<tr>
<th>Component</th>
<th>Aquatic Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2-Propylene glycol</td>
<td>57-55-6</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50 96 h Oncorhynchus mykiss 51600 mg/L [static]; LC50 96 h Oncorhynchus mykiss 41 - 47 mL/L [static]; LC50 96 h Pimephales promelas 51400 mg/L [static]; LC50 96 h Pimephales promelas 710 mg/L</td>
</tr>
<tr>
<td>Algae</td>
<td>EC50 96 h Pseudokirchneriella subcapitata 19000 mg/L IUCLID</td>
</tr>
<tr>
<td>Invertebrate</td>
<td>EC50 48 h Daphnia magna &gt;1000 mg/L [static] EPA</td>
</tr>
</tbody>
</table>

**Persistence and Degradability**
No information available for the mixture.

**Bioaccumulative Potential**
No information available for the mixture.

**Mobility**
No information available for the mixture.

**Other Toxicity**
No information available.

---

**Section 13 - DISPOSAL CONSIDERATIONS**

**Disposal Methods**
Dispose in accordance with all applicable regulations. Hazardous Waste Number(s): 08 03 17*. Refer to manufacturer/supplier for information on recovery/recycling. Do not landfill. Avoid discharge into drains or surface water. See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.
Section 14 - TRANSPORT INFORMATION

US DOT Information:  
No Classification assigned.

Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations  
None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.  
SARA Section 311/312 (40 CFR 370 Subparts B and C)  
Acute Health: Yes Chronic Health: Yes Fire: No Pressure: No Reactivity: No

U.S. State Regulations  
The following components appear on one or more of the following state hazardous substances lists:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>CA</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2-Propylene glycol</td>
<td>57-55-6</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Polyethylene glycol</td>
<td>25322-68-3</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Not listed under California Proposition 65

Canadian WHMIS Ingredient Disclosure List (IDL)  
Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2-Propylene glycol</td>
<td>57-55-6</td>
</tr>
<tr>
<td></td>
<td>1 %</td>
</tr>
</tbody>
</table>

WHMIS Classification  
This product is considered an article; therefore, there are no significant adverse effects when used as directed. Should the product break or leak, the contents of the cartridge would be classified as the following: D2B.

Component Analysis - Inventory  
1,2-Propylene glycol (57-55-6)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes</td>
<td>DSL</td>
<td>EIN</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Polyethylene glycol (25322-68-3)
Section 16 - OTHER INFORMATION

NFPA Ratings

Health: 2 Fire: 1 Reactivity: 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Summary of Changes

Updated: 06/29/2015

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR’s Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of
Other Information

Disclaimer:
Supplier gives no warranty whatsoever, including the warranties of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser shall determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental, consequential or any other damages arising out of the use or misuse of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights.