

*****Section 1 - IDENTIFICATION*****

Material Name: OBJET SUPPORT/MODEL CLEANING FLUID CLNS/CLNM

Chemical Family

acrylic compounds

Recommended Use

This product is a cartridge containing ink. Under normal conditions of use, the substance is released from a cartridge only inside an appropriate printing system, and therefore, exposure is limited.

Restrictions on Use

None known.

Manufacturer Information

Objet, Inc.
5 Fortune Drive
Billerica, MA 01821
E-mail: info@object.com, www.object.com

Phone: 1-877-489-9449

Emergency # +1 978 495 5580

24 Hour Emergency Telephone Service

+49 722 97772280 - Europe - Multi lingual response
+49 722 97772281 - Global - English Language response
+1 978 495 5580 - USA - Multi lingual response
+85 2 975 70887 - Asia Pacific - Multi lingual response
+61 2 8011 4763 - Australia - Multi lingual response
+86 15626070595 - China - Chinese response

*****Section 2 - HAZARDS IDENTIFICATION*****

Classification in accordance with 29 CFR 1910.1200

No classification is assigned, based on classification criteria. Review the entire data sheet for any additional information which did not result in a GHS classification.

GHS LABEL ELEMENTS

Symbol(s)

None needed according to classification criteria.

Signal Word

None needed according to classification criteria.

Hazard Statement(s)

None needed according to classification criteria.

Precautionary Statement(s)

Prevention

None needed according to classification criteria.

Response

None needed according to classification criteria.

Safety Data Sheet

Material Name OBJET SUPPORT/MODEL CLEANING FLUID CLNS/CLNM

SDS ID: DOC-06137_B USA
In Compliance with Regulation
29 CFR 1910.1200

Storage

None needed according to classification criteria.

Disposal

None needed according to classification criteria.

Hazard(s) Not Otherwise Classified

None known.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| CAS | Component | Percent |
|------------|---------------------|---------|
| 25322-68-3 | Polyethylene glycol | <100 |

Additional Information

Under normal conditions of use, the substance is released from a cartridge only inside an appropriate printing system, and therefore, exposure is limited.

Section 4 - FIRST AID MEASURES

Description of Necessary Measures

Inhalation

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

Skin

Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly clean and dry surface contaminated shoes before reuse.

Eyes

Flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

Ingestion

If swallowed, get medical attention.

Most Important Symptoms/Effects

Acute

No information on significant adverse effects.

Delayed

No information on significant adverse effects.

Indication of Immediate Medical Attention and Special Treatment

If adverse effects occur, treat symptomatically and supportively.

Section 5 - FIRE FIGHTING MEASURES

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.

Specific Hazards Arising from the Chemical

Negligible fire hazard.

Hazardous Combustion Products

Combustion: oxides of carbon

Safety Data Sheet

Material Name OBJET SUPPORT/MODEL CLEANING FLUID CLNS/CLNM

SDS ID: DOC-06137_B USA
In Compliance with Regulation
29 CFR 1910.1200

Fire Fighting Measures

Move container 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

Collect spilled material with an inert absorbent such as sand or vermiculite. Place in properly labeled closed container. Flush area with water to remove trace residue.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Observe good hygiene and safety practices when handling this product. Wash thoroughly after handling.

Conditions for Safe Storage, including any Incompatibilities

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.

Incompatibilities Not applicable under normal conditions of use and storage.

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.

Component Analysis

There are no biological limit values for any of this product's components.

Appropriate Engineering Controls

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

Individual Protection Measures, such as Personal Protective Equipment

Eyes/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.

Glove Recommendations

Wear neoprene or nitrile impervious gloves when handling damaged cartridge.

Respiratory Protection

Respiratory protection is not generally needed when using this product.

Safety Data Sheet

Material Name OBJET SUPPORT/MODEL CLEANING FLUID CLNS/CLNM

SDS ID: DOC-06137_B USA
In Compliance with Regulation
29 CFR 1910.1200

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--------------------------|---------------------|--------------------------------------|---|
| Physical State: | Liquid | Appearance: | ink cartridge containing yellowish liquid ink |
| Color: | yellowish | Physical Form: | liquid |
| Odor: | characteristic odor | Odor Threshold: | Not available |
| pH: | Not applicable | Melting Point: | Not available |
| Boiling Point: | Not available | Decomposition: | Not available |
| Flash Point: | >100 °C | Evaporation Rate: | Not available |
| LEL: | Not available | UEL: | Not available |
| Vapor Pressure: | Not available | Vapor Density (air = 1): | >1 |
| Density: | Not available | Specific Gravity (water = 1): | Not available |
| Water Solubility: | soluble | Coeff. Water/Oil Dist: | Not available |
| Auto Ignition: | Not available | Viscosity: | Not available |
| Volatility: | Not available | | |

Section 10 - STABILITY AND REACTIVITY

Reactivity

Heating may cause a fire

Chemical Stability

Store between 15 C and 25 C. Uncured ink will polymerize on exposure to light or heat rendering the product unusable. However, this reaction is not considered hazardous.

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

Combustion: oxides of carbon

Section 11 - TOXICOLOGICAL INFORMATION

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 irritation. Contact with eyes may cause inflammation and eye irritation.

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Polyethylene glycol (25322-68-3)

Dermal LD50 Rabbit >20 mL/kg

Acute Toxicity Level

Polyethylene glycol (25322-68-3)

Moderately Toxic: dermal absorption, ingestion

Non Toxic: ingestion

Information on Likely Routes of Exposure

Inhalation

No information on significant adverse effects.

Safety Data Sheet

Material Name OBJET SUPPORT/MODEL CLEANING FLUID CLNS/CLNM

SDS ID: DOC-06137_B USA
In Compliance with Regulation
29 CFR 1910.1200

Ingestion

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

Skin Contact

No information on significant adverse effects.

Eye Contact

No information on significant adverse effects.

Immediate Effects

No information on significant adverse effects.

Delayed Effects

No information on significant adverse effects.

Medical Conditions Aggravated by Exposure

None known.

Irritation/Corrosivity Data

Contact with uncured ink may cause mild eye irritation.

Respiratory Sensitization

No data available for the mixture.

Dermal Sensitization

No data available for the mixture.

Carcinogenicity

Component Carcinogenicity

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

Mutagenic Data

No data available for the mixture.

Reproductive Effects Data

No data available for the mixture.

Tumorigenic Data

No data available for the mixture.

Additional Data

Uncured ink may polymerize and adhere to tissue.

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.

* * *Section 12 - ECOLOGICAL INFORMATION* * *

Persistence and Degradability

No data available.

Bioaccumulative Potential

No data available.

Mobility

No data available.

Other Ecological Information

No additional information is available.

Safety Data Sheet

Material Name OBJET SUPPORT/MODEL CLEANING FLUID CLNS/CLNM

SDS ID: DOC-06137_B USA
In Compliance with Regulation
29 CFR 1910.1200

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose in accordance with all applicable regulations.

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.

Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Section 14 - TRANSPORT INFORMATION

US DOT Information

Not regulated as a hazardous material.

IMDG Information

Not regulated as dangerous goods.

Section 15 - REGULATORY INFORMATION

Component Analysis

U.S. Federal Regulations

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

SARA 311/312 Hazardous Categories

Acute Health: No **Chronic Health:** No **Fire:** No **Pressure:** No **Reactive:** No

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

| Component | CAS | CA | MA | MN | NJ | PA |
|---------------------|------------|----|----|-----|----|----|
| Polyethylene glycol | 25322-68-3 | No | No | Yes | No | No |

Not regulated under California Proposition 65

Canada Regulations

This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

WHMIS CLASSIFICATION: Not a Controlled Product under Canada's Workplace Hazardous Material Information System.

Canadian WHMIS Ingredient Disclosure List (IDL)

No components are listed in the WHMIS IDL.

Component Analysis

| Component | CAS | TSCA | DSL | NDSL |
|---------------------|------------|------|-----|------|
| Polyethylene glycol | 25322-68-3 | Yes | Yes | No |

Section 16 - OTHER INFORMATION

Summary of Changes

New SDS: 1.0000

NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0

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

Safety Data Sheet

Material Name OBJET SUPPORT/MODEL CLEANING FLUID CLNS/CLNM

SDS ID: DOC-06137_B USA
In Compliance with Regulation
29 CFR 1910.1200

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; DSL - Domestic Substances List; EPA - Environmental Protection Agency; EIN (EINECS) - European Inventory of Existing Commercial Chemical Substances; ELN (ELINCS) - European List of Notified Chemical Substances; IARC - International Agency for Research on Cancer; IMDG - International Maritime Dangerous Goods; Kow - Octanol/water partition coefficient; LEL - Lower Explosive Limit; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NTP - National Toxicology Program; OSHA - Occupational Safety and Health Administration; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; WHMIS - Workplace Hazardous Materials Information System

Other Information

The information in this safety data sheet is based on data and samples provided to a third party SDS author. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned in this safety data sheet. New safety data sheets are written from time to time. Only the most recent versions may be used. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question.

Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. Stratasys does not guarantee the accuracy or exhaustiveness of the information provided. Use of this safety data sheet is subject to the license and liability limiting conditions as stated in your license agreement. All intellectual property rights to this sheet are the property of Stratasys and its distribution and reproduction are limited.

End of Sheet DOC-06137US_C