

## Safety Data Sheet

### Cleaning Solution

Revision Date: February 17, 2020

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#### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**1.1 Identification of the substance or preparation:** Cleaning Solution

**1.2 Use of the substance / preparation:** For use with ZPrinter® 3D printers and ProJet® x60 3D printers.

**1.3 Company/undertaking identification:**

3D Systems, Inc.  
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+(61) 29037.2994 – Aus Chemtrec

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#### 2. HAZARDS IDENTIFICATION

**2.1 Classification:**

**Not classified according to GHS, Regulation (EC) No. 1272/2008, HazCom 2012.**

**2.2 Label Elements**

**Regulation (EC) No, 1272/2008:**

**Hazard pictograms and signal word: None**

**Hazard statements: None**

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#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Preparation related information**

**Description:** Organic liquid

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#### 4. FIRST AID MEASURES

**4.1 In case of skin contact:** Rinse with water.

**4.2 In case of eye contact:** Flush eyes with plenty of water.

**4.3 In case of ingestion:** If ingested, drink plenty of water or milk. Do not induce vomiting.

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#### 5. FIRE-FIGHTING MEASURES

**5.1 Suitable extinguishing media:** Water mist, dry chemical, carbon dioxide, or appropriate foam.

**5.2 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:** Thermal decomposition products can include CO<sub>2</sub>, CO and smoke.

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#### 6. ACCIDENTAL RELEASE MEASURES

**6.1 Methods for cleaning up:** Absorb product with liquid-binding material such as sand, universal binders, sawdust. Place in closed containers and dispose of according to local regulations. Clean the contaminated area with plenty of water.

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#### 7. HANDLING AND STORAGE

**7.1 Handling:** Avoid contact with skin and eyes.

**7.2 Storage:** Store sealed in the original container at room temperature. Keep out of reach of children.

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#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure controls:**

**Technical measures to prevent exposure:** Use local exhaust ventilation.

**Instructual measures to prevent exposure:** When using, do not eat, drink or smoke. Wash hands after handling and before eating, smoking and using the lavatory and at the end of the day.

**Personal protection equipment:**

**Respiratory protection:** Good general ventilation is sufficient.

**Hand protection:** Use impervious nitrile, vinyl or latex gloves.

**Eye protection:** Wear safety glasses or goggles.

**Body protection:** Use apron and closed shoes.

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#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Appearance:**

**Physical state:** Liquid

**9.2 Important health, safety and environmental information**

**pH (20 °C):** 4.7 (diluted solution)

**Melting point/range (°C):** 3

**Boiling point/range (°C):** >250

**Flash point (°C):** 245

**Ignition temperature (°C):** 370

**Vapour pressure (°C):** NA

**Density (g/cm<sup>3</sup>):** 1.13

**Bulk density (kg/m<sup>3</sup>):** NA

**Water solubility (20°C in g/l):** soluble

**Viscosity, dynamic (mPa s):** NA

**Dust explosion hazard:** NA

**Explosion limits:** NA

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#### 10. STABILITY AND REACTIVITY

**Hazardous decomposition products:** Carbon dioxide can be released at high temperatures or upon burning.

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#### 11. TOXICOLOGICAL INFORMATION

**11.1 Toxicokinetics, metabolism and distribution:** NA

**11.2 Acute effects (toxicity tests)**

Component	LD <sub>50</sub> Oral	LD <sub>50</sub> Dermal
Polyethyleneglycol 400	30200 mg/kg (rat)	NA

**11.3 General remarks:**

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

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#### 12. Ecological information

**12.1 Ecotoxicity:** Although the product is not classified as dangerous to the environment harmful effects cannot be excluded in the event of improper handling or disposal.

**12.2 Mobility:** No information available for product.

**12.3 Persistence and degradability:** No information available for product.

**12.4 Results of PBT assessment:** No information available for product.

**12.5 Other adverse effects:** No information available for product.

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#### 13. DISPOSAL CONSIDERATIONS

**Appropriate disposal / Product:** Reduce waste by attempting to utilize product completely. Dispose of waste and residues in accordance with all local, state, and federal regulations.

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#### 14. TRANSPORT INFORMATION

**14.1 Land transport (ADR/RID/GGVSE):** Not regulated

**14.2 Sea transport (IMDG-Code/GGVSee):** Not regulated

**14.3 Air transport (ICAO-IATA/DGR):** Not regulated

**14.4 United States Department of Transportation (US DOT):** Not regulated

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#### 15. REGULATORY INFORMATION

##### 15.1 EU regulations

EINEC/ELINCS/NLP: All materials are listed

REACH Annex XVII: None listed

##### 15.1.1 National EU regulations

**Wassergefährdungsklasse (water hazard class, Germany):** WGK 1: Low hazard to waters

##### 15.2. US FEDERAL

TSCA: All materials are listed on the TSCA Inventory or are not subject to TSCA requirements:

California Proposition 65: This product does not contain chemicals, which are known to the state of California to cause cancer, birth, or any other reproductive defects.

##### 15.3. Australian regulations

SUSDP, Industrial Chemicals Act 1989:

Australian Inventory of Chemical Substances, AICS: Listed

##### 15.4 Japanese regulations

Chemical Risk Information platform (CHRIP)

Industrial Health and Safety Law

Hazardous material

Organic solvent poison prevention rule

Ordinance on prevention of hazard due to specified chemical substances

Lead Poisoning Prevention Rule

Poison and Deleterious Substance Control law

PRTR and Promotion of Chemical Management law

Fire Services Act

Explosives Law

High pressure gas safety law

Export Trade Control Order

Waste Disposal and Public Cleaning Law

Listed

not applicable

not applicable

not applicable

not applicable

not applicable

not applicable

no listed components

Category 4, Class 4, oil

not applicable

not applicable

not applicable

not applicable

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#### 16. OTHER INFORMATION

SDS Creation Date: ..... March 21, 2013  
SDS Revision #: ..... -05-A  
SDS Revision Date: ..... February 17, 2020  
Reason for Revision: ..... Update section 15.

[www.3dsystems.com](http://www.3dsystems.com)

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