

## Safety Data Sheet

according to Regulation (EC) No 1907/2006 and 1272/2008,  
Hazard Communication Standard 29 CFR 1910 (USA),  
WHS Regulations Australia,  
JIS Z 7253 (2012) Japan

### zc™ 5 Wash Fluid

Revision Date: August 30, 2018

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

##### 1.1 Identification of the substance or preparation: **zc5 Wash Fluid**

**1.2 Use of the substance / preparation:** For use with ZPrinter® 510 3D printers

##### 1.3 Company/undertaking identification:

3D Systems, Inc.  
333 Three D Systems Circle  
Rock Hill, South Carolina U.S.A.  
Phone: 803.326.3900 or  
Toll-free Phone: 800.793.3669  
e-mail: [moreinfo@3dsystems.com](mailto:moreinfo@3dsystems.com)  
Chemical emergency: 800.424.9300 - Chemtrec

3D Systems Europe Ltd.  
Mark House, Mark Road  
Hemel Hempstead  
Herts HP2 7 United Kingdom  
Phone: +44 144-2282600  
e-mail: [moreinfo@3dsystems.com](mailto:moreinfo@3dsystems.com)  
Chemical emergency: 703.527.3887 - Chemtrec (U.S.)

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#### 2. HAZARDS IDENTIFICATION

##### 2.1 Classification:

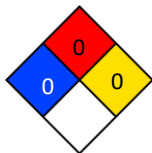
**Not classified according to GHS, Regulation (EC) No. 1272/2008, HazCom 2012.**

##### 2.2 Label Elements

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

**Hazard pictograms and signal word: None**

**Hazard statements: None**



NFPA Ratings  
0 = Minimal  
1 = Slight  
2 = Moderate  
3 = Serious  
4 = Severe

##### **Hazardous Materials Identification System (HMIS):**

(Degree of hazard: 0 = low, 4 = extreme);

Health **0**  
Flammability **0**  
Physical Hazards **0**

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#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

##### Preparation related information

**Description:** Aqueous detergent solution

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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:** Non flammable liquid.

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#### 6. ACCIDENTAL RELEASE MEASURES

**Methods for cleaning up:** Flush with water into containing area or to sewer where applicable with local disposal requirements. Protect from freezing.

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#### 7. HANDLING AND STORAGE

**7.1 Handling:** Avoid contact with skin and eyes. Wear protective goggles or face shield if splashing or spraying liquid.

**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

<b>pH (20 °C):</b>	9.8
<b>Melting point/range (°C):</b>	0°
<b>Boiling point/range (°C):</b>	100
<b>Flash point (°C):</b>	NA
<b>Ignition temperature (°C):</b>	NA
<b>Vapour pressure (°C):</b>	NA
<b>Density (g/cm<sup>3</sup>):</b>	1.0
<b>Bulk density (kg/m<sup>3</sup>):</b>	NA
<b>Water solubility (20°C in g/l):</b>	soluble
<b>Viscosity, dynamic (mPa s):</b>	NA
<b>Dust explosion hazard:</b>	NA
<b>Explosion limits:</b>	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 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:** The aquatic toxicity of the product is unknown. No data are available for the components of this product.

**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:** Flush uncontaminated material to sewer where applicable with local disposal requirements. Reduce waste by attempting to utilize product completely. Dispose of this container and its contents 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

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#### 15. REGULATORY INFORMATION

##### 15.1 EU regulations

EINEC/ELINCS/NLP: All materials are listed

REACH Annex XVII: None listed

##### 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):	Listed
Industrial Health and Safety Law	not applicable
Hazardous material	not applicable
Organic solvent poison prevention rule	not applicable
Ordinance on prevention of hazard due to specified chemical substances	not applicable
Lead Poisoning Prevention Rule	not applicable
Poison and Deleterious Substance Control law	not applicable
PRTR and Promotion of Chemical Management law (PRTR Law)	no listed components
Fire Services Act	not applicable
Explosives Law	not applicable
High pressure gas safety law	not applicable
Export Trade Control Order	not applicable
Waste Disposal and Public Cleaning Law	not applicable

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#### 16. OTHER INFORMATION

SDS Creation Date: ..... October 30, 2014  
SDS Revision #: ..... -02-A  
SDS Revision Date: ..... August 30, 2018  
Reason for Revision: ..... update header, product name

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

800.793.3669 (Toll-free in the US GMT-07:00; N. America, Mon – Fri, 6:00 a.m. to 6 p.m.)  
803.326.3900 (Outside the U.S. GMT-07:00; N. America, Mon – Fri, 6:00 a.m. to 6 p.m.)  
+44 144-2282600 (Europe GMT+01:00; Mon – Fri, 08:00 a.m. - 17:00 p.m. MEZ)

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