



## M3 A - SAFETY DATA SHEET

Revision date: May, 2020

Revision version: Rev. 3

### SAFETY DATA SHEET

M3 A

In accordance with occupational safety and health act (1970)  
Hazard communication standard 2012 (29 CFR 1910-1200) (HazCom 12)

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### **1.1. Product identifier**

Product name: M3 A  
(Part Number P\_04445)

##### **1.2. Relevant identified uses of the substance or mixture & Restrictions on use**

**Identified use:** Medium for post processing paper 3D printed parts only.

**Uses advised against:** No specific uses advised against are identified.

##### **1.3. Details of the supplier of the safety data sheet**

CleanGreen3D Ltd  
1, Grants Row  
Lower Mount Street  
Dublin 2  
Email: [Info@cleangreen3d.com](mailto:Info@cleangreen3d.com)

#### SECTION 2: HAZARD IDENTIFICATION

##### **2.1. Classification of the substance or mixture**

**Classification under CLP:** This product has no classification under CLP.

##### **2.2. Label elements**

This product has no label elements.

##### **2.3. Other hazards**

**PBT:** This product is not identified as a PBT/vPvB substance.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**
**Mixtures**

<b>Oil (Ricinus, cold pressed)</b>	
CAS number: 8001-79-4	EINECS number: 232-293-8

**Comments:**

Light yellow, viscous, fatty liquid with a slight characteristic odour.

**SECTION 4: FIRST AID MEASURES**
**4.1. Description of first aid measures**

<b>Skin contact:</b>	Not hazardous. There may be a mild irritation at the site of contact. Wash immediately with plenty of soap and water. If irritation persists, seek medical advice.
<b>Eye contact:</b>	Bathe the eye with running water for 15 minutes. May cause irritation or redness. If irritation persists seek medical advice.
<b>Ingestion:</b>	Not considered dangerous. Non-Toxic, however if large amounts are swallowed give water and seek medical advice.
<b>Inhalation:</b>	Not applicable.

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

<b>Skin contact:</b>	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
<b>Eye contact:</b>	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
<b>Ingestion:</b>	Laxative effect (noted >14ml, 6-12 hours after ingestion). Possible Abdominal pain, diarrhoea, nausea, vomiting.
<b>Inhalation:</b>	In compliance with generally accepted uses and quantities are no negative impacts to be expected.

**Delayed / immediate effects:** No data available.

**4.3. Indication of any immediate medical attention and special treatment needed**

**Immediate / special treatment:** No data available.



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### SECTION 5: FIRE FIGHTING MEASURES

**Flash point:** 229°C c.c.

**Boiling point:** 313°C

**Auto-ignition temperature:** 448°C

**Relative density (water = 1):** 0.96

**Solubility in water:** very poor

**5.1. Extinguishing media:** Dry chemical powder. Carbon dioxide. Foam. Water fog.

#### **5.2. Special hazards arising from the substance or mixture**

**Exposure hazards:** Limit the spread of oil, **treat as an oil (edible fat) fire.**

#### **5.3. Advice for fire-fighters**

**PPE:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### **6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** Use personal protective equipment. Provide adequate ventilation, avoid contact with skin and eyes. Eliminate all sources of ignition.

#### **6.2. Environmental precautions:**

No data available

#### **6.3. Methods and material for containment and cleaning up**

**Clean-up procedures:** Absorb onto an inert, absorbent substrate and sweep up. Wash area with soap and water.

#### **6.4. Reference to other sections**

Reference to other sections: No additional data available.

### SECTION 7: HANDLING AND STORAGE

#### **7.1. Precautions for safe handling**

**Handling requirements:** No data available

#### **7.2. Conditions for safe storage, including any incompatibilities**

**Storage conditions:** Keep container tightly closed. Keep in cool dry room Keep away from sources of ignition.

**7.3. Specific end use(s):** No data available.

**SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION****8.1. Control parameters**

**Workplace exposure limits:** No data available.

**DNEL/PNEC Values:** No data available.

**8.2. Exposure controls**

**Engineering measures:** No additional data available.

**Respiratory protection:** Not needed under normal conditions of use.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses.

**Skin protection:** No data found

**Environmental:** No additional data available.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

**Colour:** Clear, yellowish-brown

**Form:** Liquid

**Odour:** Characteristic, fatty

**Flash point:** 229°C

**Boiling point:** 313°C

**Auto-ignition temperature:** 448°C

**Relative density (water = 1):** 0.96

**Solubility in water:** very poor

**pH:** No data available.

**9.2. Other information:** No data available.



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### SECTION 10: STABILITY&REACTIVITY

#### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

#### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Will not polymerise

#### 10.4. Conditions to avoid

**Conditions to avoid:** None

#### 10.5. Incompatible materials

**Materials to avoid:** Strong acids. Oxidising agents. Strong Alkalis.

#### 10.6. Hazardous decomposition products

Carbon Dioxide and Carbon Monoxide may form when heated to decomposition.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

**Excluded hazards for substance:** No hazard: calculated.

#### Symptoms / routes of exposure:

**Skin contact:** In compliance with generally accepted uses and quantities are no negative impacts to be expected.

**Eye contact:** In compliance with generally accepted uses and quantities are no negative impacts to be expected.

**Ingestion:** No data available.

**Inhalation:** In compliance with generally accepted uses and quantities are no negative impacts to be expected.

**Delayed / immediate effects:** No data available.

**Other information:** No additional data available.



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### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1. Toxicity

Ecotoxicity values: No data available.

#### 12.2. Persistence and degradability

Persistence and degradability: Expected to be biodegradable.

#### 12.3. Bio-accumulative potential

Bio-accumulative potential: No data available.

#### 12.4. Mobility in soil

Mobility: No data available.

#### 12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

#### 12.6. Other adverse effects

Other adverse effects: No data available.

### SECTION 13: DISPOSAL INFORMATION

#### 13.1. Waste treatment methods

Disposal operations: Product remainders should not intrude in soil or waters  
Dispose of waste product or used containers in accordance  
with local regulations.

Recovery operations: No additional data available.

Disposal of packaging: No additional data available.

NB: The user's attention is drawn to the possible existence of  
regional or national regulations regarding disposal.

### SECTION 14: TRANSPORT INFORMATION

Transport class: This product does not require a classification for transport.

### SECTION 15: REGULATORY INFORMATION

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

Specific regulations: There is no regulatory information available.

#### 15.2. Chemical Safety Assessment

Chemical safety assessment: No additional data available.



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### SECTION 16: OTHER INFORMATION

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

#### **DISCLAIMER**

To the best of our knowledge, the information contained herein is accurate. However, CleanGreen3D does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. All materials may present unknown hazards and should be handled with care. Although we have described herein all of the hazards to which we are currently aware, we cannot guarantee that these are the only hazards which exist. While the descriptions, designs, data, and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Further, you expressly understand and agree that the descriptions, designs, data, and information furnished by CleanGreen3D hereunder are given gratis and CleanGreen3D assumes no obligation or liability for the description, designs, data, and information given, all such being given and accepted at your risk.

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