



CLEANGREEN 3D QUICK CURE VARNISH SAFETY DATA SHEET

Revision date: May 2020

Revision version: Rev. 4

SAFETY DATA SHEET

CleanGreen3D Developer M1

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: CleanGreen3D Developer M1

1.2. Relevant identified uses of the substance or mixture

Resin for coating CleanGreen3D paper based 3D models

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

SECTION 2: HAZARD IDENTIFICATION

2.1 GHS Classification

NFPA	Health	Fire	Reactivity
	2	1	2
HMIS	Health	Fire	
	2	1	2

2.2 GHS Signal Word, Hazard Statement, Symbol

Pictograms by CLP/GHS:



Signal Word: Warning

Hazard Statements

Contains materials that may cause eye injury which may persist for several days.

Contains materials that may cause moderate skin injury (reddening and swelling) and/or sensitization.

May cause allergic skin reaction which may be severe to some individuals.

Precautionary Statements

Low volatility makes vapour inhalation unlikely

Contains materials that may be slightly toxic

OTHER HAZARDS

Polymerisation may occur from excessive heat, contamination or exposure to direct sunlight



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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	%	CAS#
Aliphatic Urethane Acrylate	25-35	70766-56-2
Aliphatic Urethane Acrylate	40-60	73297-27-5
Isobornyl Acrylate	15-30	5888-33-5

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Eye Contact: Flush with large amounts of clean water for 15 minutes. If irritation persists, get medical attention.

Skin Contact: Remove contaminated clothing and wash contact area with soap and water for 15 minutes. Particular attention should be paid to hair, nose, ears, and other areas not easily cleaned. (note: effects can be delayed 24-48 hours.)

Inhalation: Remove to fresh air. If not breathing, administer artificial respiration. Call a physician.

Ingestion: If appreciable quantities are swallowed, seek medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point (Method Used): >225 °F (PMCC)

Flammable Limits: Not Determined

Extinguishing Media: Use Water Spray, Dry Chemical, Foam or Carbon Dioxide

Special Fire Fighting Procedures: Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapours or products of combustion exists.

Unusual Fire and Explosion Hazards: High temperatures and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and the violent rupture of storage containers or vessels. Avoid the use of a stream of water to control fires since frothing may occur.

SECTION 6: ACCIDENTAL RELEASE MEASURES

General: Spontaneous polymerization can occur. Eliminate ignition sources. Use eye and skin protection. Place leaking containers in a well-ventilated area. Absorb with an inert material and dispose. Prevent washings from entering waterways.

Waste disposal: Dispose in accordance with local, state and federal laws and regulations.

SECTION 7: HANDLING AND STORAGE

General: Minimum feasible handling temperatures should be maintained. Eye wash and safety shower should be available nearby when this product is handled or used.

Storage: Minimize exposure to periods of high temperatures. Avoid contamination of water.



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SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Clothing: Gloves, coveralls, apron, boots as necessary to prevent skin contact. Safety shower and eye bath should be provided

Eyes: Safety glasses with side shields.

Respiration: NIOSH approved organic vapor respirators are only required when ventilation is inadequate. NIOSH approved air-line respirators with auxiliary escape air tanks or self-contained breathing apparatus should be used in confined spaces.

Ventilation: Local mechanical exhaust.

SECTION 9: PROPRIETES PHYSIQUES ET CHIMIQUES

Colour: Milky

Form: Viscous Liquid

Odour: Characteristic Odour

Specific Gravity (Water=1): 1.1

Boiling Point: 400°F

Vapour Density (Air=1): Heavier than air

Solubility in Water: None

Percent Volatile by Volume: <.05

Evaporation Rate: Slower than Butyl Acetate

SECTION 10: STABILITY&REACTIVITY

Stability: Unstable

Conditions to Avoid: Storage >100 °F, exposure to light, loss of dissolved air, loss of polymerization inhibitors, contamination with incompatible materials.

Incompatibility: Polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, and strong bases.

Hazardous Polymerization: May occur.

Hazardous Decomposition Products: Fumes produced when heated to decomposition may include carbon monoxide, carbon dioxide and nitrous oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

No applicable data for this section

SECTION 12: ECOLOGICAL INFORMATION

No applicable data for this section

SECTION 13: DISPOSAL INFORMATION

Waste Disposal: Incinerate in furnace or bury in landfill in accordance with federal, state, and local regulations.



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SECTION 14: TRANSPORT INFORMATION

Not regulated by the US Department of Transportation

SECTION 15: REGULATORY INFORMATION

Hazardous Health Rating: Health: 2 Fire: 1 Reactivity: 2

SECTION 16: OTHER INFORMATION

No data available

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.

Date: May, 2020

Safety Data Sheet Provided By: Alumilite Corp.

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