

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 22.03.2024

Version number 2 (replaces version 1)

Revision: 22.03.2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

· **1.1 Product identifier**

· **Trade name:** magigoo PP

· **UFI:** C300-20XC-H007-HTMD

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

· **Application of the substance / the mixture** 3D printing material

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Thought3D Ltd

146, Triq il Qasam

SWQ3026, Swieqi

Malta

Phone: +356 99587397

magigoo.com

· **Informing department:**

Research and development

E-Mail: keith@thought3d.com

· **1.4 Emergency telephone number:**

Malta Competition and Consumer Affairs Authority (MCCAA)

Mizzi House

National Road

Blata l-Bajda HMR 9010

Malta

Phone +356 2395 2000

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**



GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**



GHS07

· **Signal word** Warning

· **Hazard-determining components of labelling:**

2-methyl-2H-isothiazol-3-one

· **Hazard statements**

H317 May cause an allergic skin reaction.

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· **Precautionary statements**

- P102 Keep out of reach of children.
- P261 Avoid breathing mist/vapours/spray.
- P280 Wear protective gloves.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

· **Determination of endocrine-disrupting properties**

The product does not contain substances with endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:**

Aqueous dispersion of a copolymer not requiring labelling.

Mixture of the substances listed below including additives not requiring identification.

· **Dangerous components:**

CAS: 69011-36-5 EC number: 931-138-8 Reg.nr.: 01-2119976362-32-X	Isotridecanol, ethoxylated ($\geq 2,5 - \leq 7$ EO) ! Acute Tox. 4, H302; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	< 2.5%
CAS: 2682-20-4 EINECS: 220-239-6 Index number: 613-326-00-9 Reg.nr.: 01-2120764690-50-X	2-methyl-2H-isothiazol-3-one ! Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; ! Skin Corr. 1B, H314; ! Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); ! Skin Sens. 1A, H317, EUH071 Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.0015 %	$\geq 0.0015 - < 0.025\%$

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **After inhalation** Supply fresh air; consult doctor in case of symptoms.

· **After skin contact**

Wash with water and soap.

Remove contaminated clothing.

Wash contaminated clothing before re-use.

In case of skin irritations or sensitizing effects, consult doctor.

· **After eye contact**

Rinse opened eye for several minutes under running water.

Remove contact lenses if possible.

Use eye protection.

In case of permanent aches and pains please go and see the doctor.

· **After swallowing**

Rinse out mouth with water.

In case of persistent symptoms consult doctor.

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

No further relevant information available.

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- **4.3 Indication of any immediate medical attention and special treatment needed**
A symptomatic therapy is to be induced.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
The product itself does not burn.
Use fire fighting measures that suit the environment.
Extinguishing powder, foam or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** None known.
- **5.2 Special hazards arising from the substance or mixture**
Inhalation of combustion gases may cause serious health hazards.
During incomplete combustion carbon monoxide can be formed.
- **5.3 Advice for firefighters**
· **Protective equipment:** Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Avoid contact with eyes and skin.
Ensure adequate ventilation
Particular danger of slipping on leaked/spilled product.
· **For non-emergency personnel** Avoid contact with the product.
· **For emergency responders** Put on suitable personal protective equipment.
- **6.2 Environmental precautions:** Do not allow to enter drainage system, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
Dispose of the material collected according to regulations.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Avoid direct contact with eyes, skin and clothing.
Do not inhale gases/vapours/aerosols.
Ensure sufficient ventilation.
· **Information about protection against explosions and fires:** No special measures required.
- **Handling**
Do not eat, drink or smoke while working.
Wash hands during breaks and at the end of the work.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
· **Requirements to be met by storerooms and containers:**
Keep container tightly closed.
Protect from frost.
· **Information about storage in one common storage facility:**
Keep away from food, drink and animal feeding stuffs.
Do not store together with textiles.
- **Further information about storage conditions:** Protect from heat and direct sunlight.

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- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Components with limit values that require monitoring at the workplace:**

WEL: workplace exposure limit

OEL: Occupational Exposure Limit

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs**

69011-36-5 Isotridecanol, ethoxylated (≥ 2,5 - ≤ 7 EO)

Oral	DNEL (consumer, long-term, systemic)	2.5 mg/kg bw/day (human)
Dermal	DNEL (worker, long-term, systemic)	263 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	93.8 mg/kg bw/day (human)
Inhalative	DNEL (worker, long-term, systemic)	37 mg/m ³ (human)
	DNEL (consumer, long-term, systemic)	6.53 mg/m ³ (human)

2682-20-4 2-methyl-2H-isothiazol-3-one

Oral	DNEL (consumer, short-term, systemic)	0.053 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	0.027 mg/kg bw/day (human)
Inhalative	DNEL (worker, short-term, local)	0.043 mg/m ³ (human)
	DNEL (worker, long-term, local)	0.021 mg/m ³ (human)
	DNEL (consumer, short-term, local)	0.043 mg/m ³ (human)
	DNEL (consumer, long-term, local)	0.021 mg/m ³ (human)

· **PNECs**

69011-36-5 Isotridecanol, ethoxylated (≥ 2,5 - ≤ 7 EO)

PNEC aqua (freshwater)	0.00436 mg/L (.)
PNEC aqua (marine water)	0.000436 mg/L (.)
PNEC STP - Sewage Treatment Plant	4.35 mg/L (.)
PNEC soil	0.021 mg/kg soil dw (.)
PNEC sediment (freshwater)	0.119 mg/kg sedim. dw (.)
PNEC sediment (marine water)	0.012 mg/kg sedim. dw (.)

2682-20-4 2-methyl-2H-isothiazol-3-one

PNEC aqua (freshwater)	0.00339 mg/L (.)
PNEC aqua (marine water)	0.00339 mg/L (.)
PNEC STP - Sewage Treatment Plant	0.23 mg/L (.)
PNEC soil	0.047 mg/kg soil dw (.)
PNEC aqua (intermittent releases)	0.00339 mg/L (.)

· **Additional information:** The lists that were valid during the compilation were used as basis.

· **8.2 Exposure controls**

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures**

Wash hands during breaks and at the end of the work.

Do not eat or drink while working.

Take off all contaminated clothing immediately.

· **Breathing equipment:**

Not necessary if room is well-ventilated.

Use breathing protection in case of insufficient ventilation.

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· Hand protection

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

In case of a layer thickness of 0.2 mm the penetration time is longer than 480 minutes.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye/face protection Safety glasses recommended during refilling.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state

Fluid

· Colour:

Whitish

· Odour:

Weak, characteristic

· Odour threshold:

Not determined.

· Melting point/freezing point:

Not determined

· Boiling point or initial boiling point and boiling range

> 100 °C

· Flammability

Not applicable.

· Lower and upper explosion limit

Not determined.

· Lower:

Not determined.

· Upper:

Not applicable

· Flash point:

Not determined.

· Decomposition temperature:

Not determined.

· SADT

6

· pH at 20 °C

Not determined.

· Viscosity:

430 mPas

· Kinematic viscosity

· dynamic at 20 °C:

· Solubility

· Water:

Fully miscible

· Partition coefficient n-octanol/water (log value)

Not determined.

· Vapour pressure:

Not determined.

· Density and/or relative density

· Density at 20 °C

1.027 g/cm³

· Relative density

Not determined.

· Vapour density

Not determined.

· 9.2 Other information

· Appearance:

Fluid

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· Important information on protection of health and environment, and on safety.

- **Self-inflammability:** Product is not selfigniting.
- **Explosive properties:** Product is not explosive.
- **Solvent content:**

 - **Organic solvents:** < 0.9 %

- **Change in condition**
- **Evaporation rate** Not determined.

· Information with regard to physical hazard classes

- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids** Void
- **Flammable solids** Void
- **Self-reactive substances and mixtures** Void
- **Pyrophoric liquids** Void
- **Pyrophoric solids** Void
- **Self-heating substances and mixtures** Void
- **Substances and mixtures, which emit flammable gases in contact with water** Void
- **Oxidising liquids** Void
- **Oxidising solids** Void
- **Organic peroxides** Void
- **Corrosive to metals** Void
- **Desensitised explosives** Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** None in case of intended use and storage in compliance with instructions.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**

69011-36-5 Isotridecanol, ethoxylated ($\geq 2,5$ - ≤ 7 EO)

Oral	LD50	> 2,000 mg/kg (Rat) (OECD 423)
Dermal	LD50	5,960 mg/kg (rabbit)

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Oral	LD50	120 mg/kg (Rat)
Dermal	LD50	242 mg/kg (Rat)

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- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**

- **Repeated dose toxicity**

69011-36-5 Isotridecanol, ethoxylated ($\geq 2,5 - \leq 7$ EO)

Oral	NOAEL (90d)	500 mg/kg bw/day (Rat) (OECD 408)
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11.2 Information on other hazards

- **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity:****69011-36-5 Isotridecanol, ethoxylated ($\geq 2,5 - \leq 7$ EO)**

EC50	0.544 mg/l/48h (Daphnia magna) (OECD 202)
LC50	> 1.5 mg/l/96h (Danio rerio) (OECD 203)
EC50	3.4 mg/l/72h (Desmodesmus subspicatus) (EU C.3)

2682-20-4 2-methyl-2H-isothiazol-3-one

LC50	0.934 mg/l /48h (Daphnia magna)
EC50	0.0695 mg/l/24h (Skeletonema costatum)

12.2 Persistence and degradability No further relevant information available.

- **Other information:** There are no data available about the preparation.

12.3 Bioaccumulative potential No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects**Additional ecological information:****General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

Danger to drinking water if even small quantities leak into soil.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

The waste code numbers mentioned are recommendations based on the probable use of the product.

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· **European waste catalogue**

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 02 00	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 13	waste plastic

· **Uncleaned packagings:**

· **Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.

Non contaminated packagings can be used for recycling.

Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

· **Recommended cleaning agent:** Water, if necessary with cleaning agent.

SECTION 14: Transport information

· **14.1 UN number or ID number**

· **ADR/RID, IMDG, IATA**

Void

· **14.2 UN proper shipping name**

· **ADR/RID, IMDG, IATA**

Void

· **14.3 Transport hazard class(es)**

· **ADR/RID, ADN, IMDG, IATA**

· **Class**

Void

· **14.4 Packing group**

· **ADR/RID, IMDG, IATA**

Void

· **14.5 Environmental hazards:**

Not applicable.

· **14.6 Special precautions for user**

Not applicable.

· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

· **Transport/Additional information:**

Not dangerous according to the above specifications.

· **UN "Model Regulation":**

Void

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

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· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· National regulations

· Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

· Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is contained.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet meets the requirements of Regulation (EU) 2015/830 and 2020/878 amending Annex II of Regulation (EC) 1907/2006.

This data sheet considers labelling requirements of Regulation (EU) 2022/692 adapting Regulation (EC) No 1272/2008 (18th ATP of the CLP Regulation).

· Relevant phrases

The phrases specified here are no labelling elements for the product but repeat the properties of the ingredients from section 3.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

EUH071 Corrosive to the respiratory tract.

· Department issuing data specification sheet:



This Safety Data Sheet has been drawn up in cooperation with:
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· Date of previous version: 26.05.2021

· Version number of previous version: 1

· Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

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SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 2: Acute toxicity – Category 2

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· * Data compared to the previous version altered.

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