

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 25.05.2021

Version number 1

Revision: 25.05.2021

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

- **1.1 Product identifier**
 - **Trade name:** **magigoo PP**
- **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 I-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**



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.
- **Precautionary statements**

P102 Keep out of reach of children.

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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.

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 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; STOT SE 3, H335, 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.

· 4.3 Indication of any immediate medical attention and special treatment needed

A symptomatic therapy is to be induced.

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

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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

- **DNELs**

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

Oral	DNEL (consumer, long-term, systemic)	25 mg/kg bw/day (human)
Dermal	DNEL (worker, long-term, systemic)	2,080 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	1,250 mg/kg bw/day (human)
Inhalative	DNEL (worker, long-term, systemic)	294 mg/m ³ (human)
	DNEL (consumer, long-term, systemic)	87 mg/m ³ (human)

- **PNECs**

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

PNEC aqua (freshwater)	0.074 mg/L (.)
PNEC aqua (marine water)	0.0074 mg/L (.)
PNEC STP	1.4 mg/L (.)
PNEC soil	0.1 mg/kg soil dw (.)
PNEC sediment (freshwater)	0.604 mg/kg sedim. dw (.)
PNEC sediment (marine water)	0.0604 mg/kg sedim. dw (.)
PNEC aqua (intermittent releases)	0.015 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.

Filter P2.

- **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.

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- **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 (7732-18-5 water, distilled, conductivity or of similar purity) |
| · Flammability | Not applicable. |
| · Lower and upper explosion limit | |
| · Lower: | Not determined. |
| · Upper: | Not determined. |
| · Flash point: | Not applicable |
| · Self-inflammability: | Product is not selfigniting. |
| · Decomposition temperature: | Not determined. |
| · SADT | |
| · pH at 20 °C | 6 |
| · Viscosity: | |
| · Kinematic viscosity | Not determined. |
| · dynamic at 20 °C: | 430 mPas |
| · Solubility | |
| · Water: | Fully miscible |
| · Partition coefficient n-octanol/water (log value) | Not determined. |
| · Vapour pressure: | Not determined. |
| · Density and/or relative density | |
| · Density | Not determined |
| · Relative density | Not determined. |
| · Vapour density | Not determined. |

· 9.2 Other information

- | | |
|--|---------------------------|
| · Appearance: | |
| · Form: | Fluid |
| · Important information on protection of health and environment, and on safety. | |
| · 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 |

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· 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 (≥ 2,5 - ≤ 7 EO)

Oral	LD50	> 2,000 mg/kg (rat) (OECD 423)
Dermal	LD50	5,960 mg/kg (rabbit)
Inhalative	LC0	≥ 0.3 mg/l/8h (rat)

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

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

- **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.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

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SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

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

EC50 (static) 1.5 mg/l/48h (Daphnia magna) (EU C.2)

LC50 2.5 mg/l/96h (Danio rerio) (EU C.1)

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

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.

· 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/ADN, IMDG, IATA Void

· 14.2 UN proper shipping name

· ADR/ADN, IMDG, IATA Void

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· 14.3 Transport hazard class(es)	
· ADR/ADN, ADN, IMDG	
· Class	Void
· IATA	
· Class	Void Not Restricted.
· 14.4 Packing group	
· ADR/ADN, 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.

· **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.

· **Relevant phrases**

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

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- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H335 May cause respiratory irritation.
- 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:**

- **DEKRA** This Safety Data Sheet has been drawn up in cooperation with:
 DEKRA Assurance Services GmbH, Hanomagstr. 12, D-30449 Hanover, Germany,
 phone: (+49) 511 42079 - 0, reach@dekra.com.

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· **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
- 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
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- 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

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