

## 1 Identification

- **Product identifier**
- Trade name: magigoo, magigoo Flex, magigoo HT, magigoo Metal, magigoo PA, magigoo PC
- Application of the substance / the mixture 3D printing material
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:  
Thought3D Ltd  
146, Trg Il Qasam  
SWC3026, Swieqi  
Majta  
Phone: +356 99587397  
magigoo.com
- Information department:  
Research and development  
E-Mail: keith@thought3d.com

## 2 Hazard(s) identification

- Classification of the substance or mixture  
The product is not classified, according to the Globally Harmonized System (GHS).

### Label elements

- GHS label elements Void
- Hazard pictograms Void
- Signal word Void
- Hazard statements Void
- Classification system:  
• NFPA ratings (scale 0 - 4)



Health = 0  
Fire = 0  
Reactivity = 0

- HIMS-ratings (scale 0 - 4)



Health = 0  
Fire = 0  
Reactivity = 0

- Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

## 3 Composition/Information on ingredients

- Chemical characterization: Mixtures
- Description: Aqueous dispersion of a copolymer not requiring labelling.
- Dangerous components: Void

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## 4 First-aid measures

- Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:  
Generally the product does not irritate the skin.  
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.  
In case of permanent aches and pains please go and see the doctor.
- After swallowing:  
Rinse out mouth with water.  
If symptoms persist consult doctor.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed  
No further relevant information available.
- Indication of any immediate medical attention and special treatment needed  
A symptomatic therapy is to be induced.

## 5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents:  
The product itself does not burn.  
Use fire fighting measures that suit the environment.  
Foam, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: None known.
- 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.
- Advice for firefighters
- Protective equipment: Wear self-contained respiratory protective device.

## 6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures  
Avoid contact with eyes and skin.  
Ensure adequate ventilation
- Particular danger of slipping on leaked/spilled product.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Disposal of the collected material according to regulations.
- 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 disposal information.

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# Safety Data Sheet

## acc. to OSHA HCS

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- **Protective Action Criteria for Chemicals**
- PAC-1:
- PAC-2:
- PAC-3:

### 7 Handling and storage

- **Handling:**  
Do not eat, drink, smoke or sniff while working.  
Wash hands before breaks and at the end of work.
- **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.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**  
• **Requirements to be met by storerooms and receptacles:**  
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.
- **Specific end use(s):** No further relevant information available.

### 8 Exposure controls/personal protection

- **Control parameters**
  - **Components with limit values that require monitoring at the workplace:**  
When used as intended there is no health hazard by release of hazardous substances of the product.  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
  - **Additional information:** The lists that were valid during the creation were used as basis.
  - **Exposure controls**
  - **Personal protective equipment:**
  - **General protective and hygienic measures:**  
Wash hands before breaks and at the end of work.  
Do not eat or drink while working.  
Immediately remove all soiled and contaminated clothing.
  - **Breathing equipment:** Not necessary if room is well-ventilated.
  - **Protection of hands:**  
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.

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- **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 rough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General information**
- **Appearance:**
- **Form:** Fluid
- **Color:** Whilish
- **Odor:** Weak, characteristic
- **Odor threshold:** Not determined.
- **pH-value at 20 °C (68 °F):** 4,6 - 7  
(depending on the product)
- **Change in condition**
- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** 100 °C (212 °F)
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Not applicable.
- **Decomposition temperature:** Not determined.
- **25086-89-9: Polyvinylpyrrolidone/Vinyl Acetate Copolymer**  $\geq 140$  °C
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Vapor pressure at 20 °C (68 °F):** 23 hPa (17.3 mm Hg)
- **Density at 20 °C (68 °F):** 1.022 - 1.056 g/cm<sup>3</sup> (8.529 - 8.312 lbs/gal)  
(depending on the product)
- **Relative density** Not determined.
- **Vapor density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with**
- **Water:** Fully miscible.
- **Segregation coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
- **Dynamic at 20 °C (68 °F):** 19 - 700 mPaS  
viscous.  
(depending on the product)
- **Kinematic:** Not determined.
- **Solvent content:** 0.00 %

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Other information

No further relevant information available.

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### 10 Stability and reactivity

Reactivity: No further relevant information available.

Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products:

None in case of intended use and storage in compliance with instructions.

### 11 Toxicological information

Information on toxicological effects

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Carcinogenic categories

IARC (International Agency for Research on Cancer)

All components have the value 3.

NTP (National Toxicology Program)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

### 12 Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

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

Behavior in environmental systems:

Eleoaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water (Germany)

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No further relevant information available.

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### 13 Disposal considerations

Waste treatment methods

Recommendation:

Smaller quantities can be disposed of with household waste.

Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation:

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

Non contaminated packagings can be used for recycling.

Recommended cleansing agent: Water, if necessary with cleansing agents.

### 14 Transport information

UN-Number

DOT, ADR/RID/ADN, IMDG, IATA

Void

UN proper shipping name

DOT, ADR/RID/ADN, IMDG, IATA

Void

Transport hazard class(es)

DOT

Class

Void

No hazardous good

ADR/RID/ADN, ADN, IMDG, IATA

Void

Packing group

DOT, ADR/RID/ADN, IMDG, IATA

Void

Environmental hazards:

Not applicable.

Special precautions for user

Not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

Transport/additional information:

Not dangerous according to the above specifications.

UN "Model Regulation":

Void

### 15 Regulatory information

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

No further relevant information available.

Sara

Section 3.5 (extremely hazardous substances):

None of the ingredients is listed.

Section 3.13 (Specific toxic chemical listings):

None of the ingredients is listed.

TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

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<ul style="list-style-type: none"> <li>• <b>Hazardous Air Pollutants</b></li> <li>None of the ingredients is listed.</li> <li>• <b>Proposition 65</b></li> <li>• <b>Chemicals known to cause cancer:</b></li> <li>None of the ingredients is listed.</li> <li>• <b>Chemicals known to cause reproductive toxicity for females:</b></li> <li>None of the ingredients is listed.</li> <li>• <b>Chemicals known to cause reproductive toxicity for males:</b></li> <li>None of the ingredients is listed.</li> <li>• <b>Chemicals known to cause developmental toxicity:</b></li> <li>None of the ingredients is listed.</li> <li>• <b>Carcinogen categories</b></li> <li>• <b>EPA (Environmental Protection Agency)</b></li> <li>None of the ingredients is listed.</li> <li>• <b>TLV (Threshold Limit Value)</b></li> <li>None of the ingredients is listed.</li> <li>• <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b></li> <li>None of the ingredients is listed.</li> <li>• <b>Canadian substance listings:</b></li> <li>• <b>Canadian Domestic Substances List (DSL)</b></li> <li>All ingredients are listed.</li> <li>• <b>Canadian Non-Domestic Substances List (NDSL)</b></li> <li>None of the ingredients is listed.</li> <li>• <b>Canadian Ingredient Disclosure list (limit 0.1%)</b></li> <li>None of the ingredients is listed.</li> <li>• <b>Canadian Ingredient Disclosure list (limit 1%)</b></li> <li>None of the ingredients is listed.</li> <li>• <b>Chemical safety assessment:</b> A Chemical Safety Assessment has not been carried out.</li> </ul>

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### • Department issuing SDS:

➤ DEKRA This Safety Data Sheet has been drawn up in cooperation with:  
DEKRA Assurance Services GmbH, Hanomagstr. 12, D-30449 Hanover, Germany,  
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#### • Contact:

• **Date of preparation / last revision** 11/03/2022

#### • 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  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances

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<p>CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety &amp; Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit</p>

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