



# MSDS

MSDS UE 1907/2006 - UE 1272/2008 CLP

## ®DGT DeepCleaner

English version

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/MANUFACTURER

### 1.1. Product identification

#### **DGT PowerGlue ® Deep Cleaner**

activated Acrylic Polymer in Methacrylate mixture

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended application: DeepCleaner for **DGT PowerGlue ® B9**

Uses advised against: any use other than gluing PMMA, such as preparations for fake nails, prosthesis, skin contact

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

DeskGlueTech S.r.l.

Via dell'Edilizia 25/27

20026 Novate Milanese MI

ITALY

E-Mail: [info@deskglue.it](mailto:info@deskglue.it)

Person in charge of information

+39 347.22.37.348

### 1.4. Emergency number

**+39 347 22.37.348**

## 2. HAZARD IDENTIFICATION

### 2.1. Classification of the mixture

This mixture is classified as dangerous in accordance with CLP/GHS

*Directive (EC) n. 1272/2008*

Flammable liquids	Hazard Category 2	H225
Skin Corrosion / irritation	Hazard Category 2	H315
Skin sensitisation	Hazard Category 1 B	H317
Specific toxicity for organs target single exposure by inhalation	Hazard Category 23	H335

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## 2.2. Elements of the label

*Directive (EC) n. 1272/2008*

Warning word

Danger



Pictogram GHS (e)

Warning of danger

Highly flammable liquid and vapours. (H225)

It causes skin irritation. (H315)

It may cause an allergic skin reaction (H317)

It can cause respiratory irritation. (H335)

Safety note (generic)

Use personal protective equipment as requested. (P281)

Precautionary Statement (Prevention)

Keep away from heat / sparks / open flames / hot surfaces. -Do not smoke. (P210) Avoid breathing dust / fumes / gas / mist / vapours / spray. (P261) Wear protective gloves / protective clothing / eye protection / face protection. (P280)

Precautionary Statement (Reaction)

IN CASE OF SKIN CONTACT Wash with soap and water (P302 + P352)

Precautionary Statement (storage)

Keep locked. (P405)

Precautionary Statement (Disposal)  
(P501)

Dispose of contents / container in accordance with local regulations.

Component (s) defining the danger for labelling

Methyl Methacrylate

## 2.3. Other hazards

The substance may be charged electrostatically

## 3. COMPOSITION/INFORMATION OF INGREDIENTS

### 3.1. Substances

### 3.2. Mixtures

*Directive (EC) n. 1272/2008*

COMPONENT	N° EC	N° CAS	CONTENT	Class   Category   Warning
Methyl methacrylate	201-297-1	80-62-6	<=100%	Flam. Liq   2   H225 Skin irrit   2   H315 Skin Sens   1   H317 STOT SE 3   inhalation H355

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General advice

Immediately remove all contaminated clothing. Medical advice is necessary in case of symptoms that are clearly related to the effect of the product on the skin, eyes, or to inhaling its vapour.

#### Inhalation

Move the victim to fresh air and keep him calm. Seek medical treatment.

#### Direct contact with skin

After contact with skin, wash immediately with soap and water. In case of skin irritation consult a doctor.

#### Direct contact with eyes

Keeping the eyes wide open wash immediately with plenty of water. Seek medical advice if irritation persists.

#### Ingestion:

Do not induce vomiting. Seek immediate medical treatment.

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

Excessive and long exposure may cause the following: headache, dizziness, skin and eye irritation.

### 4.3. Indication of any immediate medical attention required or special treatment needed

## 5. FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

Extinguishing media recommended CO<sub>2</sub>, foam, chemical powders

Extinguishing media to be avoided for safety reasons water

### 5.2. Special hazards arising from mixture

In case of fire, hazardous toxic combustion gases are formed: carbon monoxide, organic decomposition products

### 5.3. Advice for fire fighters

Use breathing apparatus

## 6. ACCIDENTAL RELEASE MEASURES

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

Provide adequate ventilation. Wear personal protective clothing. Keep away from possible sources of ignition.

Use respiratory protection if exposed to vapours / dust / aerosol. Put people in a safe area.

### 6.2. Environmental precautions

Do not introduce into the sewer system or pour into surface or underground water

### 6.3. Methods and materials for containment and cleaning up

For large amounts: collect mechanically (pump). Use explosion protection! Small quantities and/or residues:

Collect with inert material (e.g. sand, diatomaceous earth, acid binders, universal binders, sawdust). Dispose of waste according to regulations.

### 6.4. Reference to other sections

Refer to paragraph 8 for personal protective equipment

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### Precautions for safe handling

Keep in tightly closed original container. Provide adequate ventilation.

#### Guidelines against fire and explosions

Keep away from sources of ignition --- No smoking. Avoid the accumulation of electrostatic charges. In case of fire, keep containers cool with water. Possible formation of flammable mixtures in air when heated above flash point and/or during spraying (atomisation). Use only explosion-proof equipment.

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

Requirements for storage areas and containers

Store only in original containers at a temperature not exceeding 30 ° C. Protect from light. Fill container only up to about 90%, as stabilisation requires oxygen (air). In the case of large storage containers provide adequate supply of oxygen (air) to ensure stability.

### 7.3. Specific final uses

Not mentioned

## 8. PERSONAL PROTECTION/EXPOSURE CONTROLS

### 8.1 Control parameters

Substances with exposure limits:

Methyl methacrylate CAS 80-62-6 Val. TWA2009 205mg/m<sup>3</sup> 50 ppm

Indicative Professional exposure 2009/161EU 15 minutes 100 ppm

### 8.2 Exposure controls

Suitable technical controls, Data source: KCL GmbH, D-36124 Eichenzell, test method: EN374

- Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of workday.

Personal protection

#### Eye/face protections

Visor and goggles. Use tested and approved equipment for eye protection under appropriate government standards such as NIOSH (US) or EN 166 (EU)

#### Skin protection

Handle with gloves. Gloves must be inspected before being used. Use a suitable technique for the removal of gloves (without touching the glove's outer surface) to avoid skin contact with the product. Dispose of contaminated gloves after use in accordance with current legislation and good laboratory practices. Wash and dry hands. The selected protective gloves must comply with the specifications of EU Directive 89/686 / EEC and the derived EN 374 standards.

#### Spray contact

Material: Fluorocarbon rubber

Minimum thickness: 0.7 mm

Penetration time: 148 min

Material tested: Vitoject® (KCL 890 / Aldrich Z677698, Size M)

Data source: KCL GmbH, D-36124 Eichenzell, phone n. +49 (0)6659 87300, e-mail sales@kcl.de,

Test method: EN374

If used in solution, or mixed with other substances, and under conditions other than those mentioned in EN 374, contact the EC approved supplier of gloves. This recommendation applies by way of advice and must be assessed by an industrial hygienist and a security officer aware of the specific situation of the intended use by our customers. It should not be construed as an endorsement of a specific exposure scenario.

#### Physical protection

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Complete protective clothes against chemicals; the type of protective equipment must be selected according to the concentration and amount of the dangerous substance in the work place. Glue operators must dress in suitable clothing which avoids electrostatic charges and is sufficiently protective in case of accidental spills.

### Respiratory protection

Should the risk assessment show the need for air-purifying respirators, use a full face mask with combined filter type AXBEK (EN 14387) as a backup to technical measures. If the respirator is the sole means of protection, use a full-face air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental exposure controls:

Avoid leakage or spillage, if this can be done without danger. Do not let product enter drains.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information concerning basic physical and chemical properties

Appearance	viscous
Colour	colourless up to slightly blue
Odour	tingling like ester
Solidification temperature	undetermined
Initial boiling point	about 100 °C (1.013 hPa)
Flash point	10° C according to DIN 51755
Ignition temperature	about 480 °C (DIN 51794)
Lower explosion limit	2.1% (V)
Higher explosion limit	12.5% (V)
Vapour pressure	38.7 hPa (20 °C)
Density	1.02 g/cm <sup>3</sup> (20 °C)
Relative vapour density	
compared with air	> 1 (20 °C)
Solubility in water	16 g/l (20 °C)
Solubility in lipids	undetermined
Solubility (qualitative)	miscible with most organic solvents
pH	not applicable

Partition coefficient: n-octane/water    undetermined

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Viscosity (dynamic)

1,600 – 2,000 mPa.s (20 °C) low viscosity

## 9.2. Other information

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

Refer to section 10.2.

### 10.2. Chemical stability

No decomposition if used properly

### 10.3. Possibility of hazardous reactions

In the presence of radical forming substances (e.g. Peroxides), reducing substances and / or heavy metal ions, polymerisation under the effect of heat may occur.

The same applies because of the effect of light or UV rays.

### 10.4. Conditions to be avoided

Do not heat, avoid exposure to sunlight and/or ultraviolet light.

### 10.5. Incompatible materials

The product reacts violently up to explosion with alkali metals, alkaline earth metals, other metal powders, and sodium amide.

Reducing substances.

Tertiary amines.

Heavy metals.

peroxides

Starter molecules of free radicals.

oxidizing agents

Mineral acids.

### 10.6. Hazardous decomposition products

No decomposition if used properly

## 11. INFORMATION ON TOXICOLOGICAL EFFECTS

### 11.1. Information on toxicological effects

Toxic kinetics, metabolism and distribution

No data available from specific tests

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Severe oral toxicity DL50 rat, Methyl methacrylate >5.000 mg/kg

Severe inhalation toxicity DL50 rat, Methyl methacrylate 29.8 mg/kg

Severe dermal toxicity DL50 Rabbit, Methyl methacrylate >5.000 mg/kg

Toxic in contact with skin > 2.000 mg/kg

Skin corrosion / irritation

Total evaluation based on the characteristics of the individual components. irritant

The product has a degreasing effect on the skin.

Severe eye damage / eye irritation

Total evaluation based on the characteristics of the individual components. irritant

Respiratory or skin sensitisation No data available from specific tests

Danger in case of inhalation not assessable

Evaluation of genetic mutation No data available from specific tests

**Carcinogenicity** **not carcinogenic** in inhalation and nutrition  
studies on rats and dogs

Reprotoxicity / teratogenicity No data available from specific tests

Assessment of risks to human health No data available from specific tests

Toxicity in case of repeated administration mouse, inhalation, 2 years, mucosal lesions at 400 ppm

Observations on people

High concentrations of solvents cause irritation to the eyes and respiratory tract and may cause headaches, dizziness

General information: contact with skin and eyes as well as breathing product vapours are to be carefully avoided

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

Aquatic toxicity, fish CL50 Oncorhynchus mykiss, rainbow trout, flow, 96 h

Relating to substances: Methyl methacrylate >79 mg/l

CL50 guppy (Poecilia reticulata), 14 d

Relating to substances: Methyl methacrylate 69 mg/l

Aquatic toxicity, algae / aquatic plants CE0 Scenedesmus quadricauda DIN 38412

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Relating to substances: Methyl methacrylate

37 mg/l

Toxicity to microorganisms

NOEC *Pseudomonas putida*

Relating to substances: Methyl methacrylate

100 mg/l

## 12.2. Persistence and biodegradability

Biological degradability

readily biodegradable OCSE 301C 14d

Relating to substances: Methyl methacrylate

94 %

## 12.3. Bio accumulative potential

Bio accumulation

No data available from specific tests

## 12.4. Mobility in soil

Mobility

No data available from specific tests

## 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

PBT / vPvB assessment not available as not requested or chemical safety assessment not carried out.

## 12.6. Other adverse effects

General Information: Prevent substance from entering soil, water and sewer systems.

# 13. DISPOSAL CONSIDERATIONS

## 13.1. Methods of treatment of waste

### Product

Normally the use of gluing products does not create waste, otherwise waste and processing residues are dangerous. Disposal should be in a suitable facility and approved for this purpose in compliance with the law and in accordance with the relevant local authorities regarding disposal of special waste.

### Un-cleaned packaging.

Contaminated packaging should be emptied, washed and dried. If they are not recyclable they must be disposed of as hazardous waste

Packaging that cannot be cleaned should be eliminated as material. (Section 13.1 product)

Packaging that cannot be washed should be disposed of in the same manner as the contents.

Uncontaminated packaging can be recycled.

### Waste code CER 07 02 08

*wastes from manufacture, formulation, supply and use (MFSU) of adhesives and sealants (including waterproofing products) - adhesives and sealants containing organic solvents or other dangerous substances*

It is recommended to check the waste code number according to the area of origin.

## 14. TRANSPORT INFORMATION

### 14.1. UN number

**UN 1133**

### 14.2. UN proper shipping name

#### Road transport ADR/RID

**UN 1247** METHYL METHACRYLATE MONOMER, STABILIZED

Class **3**      Packaging Group **II**

(E) Pericolo n. 339

Transporto fluviale ADN/GGVSEB

**UN 1247** METILMETACRILATO, MONOMERO, STABILIZZATO Class **3** , Packing Group **II**

#### Maritime transport IMDG/IMO

UN                      **1247**

Class                      **3**

EmS                      **F-E, S-D**

Marine pollutant      **No**

Packaging group      **II**

Proper Shipping Name **METHYL METHACRYLATE MONOMER, STABILIZED**

#### Air Trasnport IATA

UN                      **1247**

Class                      **3**

Packaging group      **II**

Proper Shipping Name **METHYL METHACRYLATE MONOMER, STABILIZED**

### 14.3. Hazard classes of Transport

See section 14.2.

### 14.4. Packing group

See section 14.2.

### 14.5. Environmental hazards

**DeskGlueTech** S.r.l. Via Dell'Edilizia 25/27 20026 Novate Milanese – MI – ITALY. **Phone:** +39.02.89.76.75.30 E-mail : [emanuele@deskglue.it](mailto:emanuele@deskglue.it) **Web:** [www.deskglue.it](http://www.deskglue.it) **Pec:** [deskglue@pec.net](mailto:deskglue@pec.net)

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If not mentioned in 14.2, irrelevant

#### **14.6. Special precautions for users**

See section 14.2.

14.7. Bulk transport according to Attachment II of MARPOL 73/78 and IBC Code

Authorisation to transport, see regulations

### **15. REGULATORY INFORMATION**

#### **15.1 Standards and legislation on health, safety and environment specific for the substance or mixture:**

National legislation,

Occupational restrictions      Bear in mind children.

Bear in mind pregnant and breast-feeding women (EC Directive 92/85 / EEC).

### **16. OTHER INFORMATION**

Other information      none

Sources      manuals and relevant publications