

SAFETY DATA SHEET

according to EC- directive 91/155/EC



Product Trade Name: METROGEL

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Name Metrogel Duplicating Gel
Manufacturing of dental prosthesis in a dental laboratory

Details of the supplier of the safety data sheet

Supplier Metrodent Limited
Lowergate Works, Lowergate
Paddock, Huddersfield
United Kingdom
+44 1484 461616
sales@metrodent.com

Emergency contacts

Office Hours Metrodent Limited
+44 1484 461616

Recommended intended purpose(s)

Dental

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification information This product does not meet the classification and labelling criteria given in the Dangerous Preparations Directive (1999/45/EC; DPD)

Label elements not relevant

Other hazards

PBT assessment No data available.

vPvB assessment No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances Not applicable. The product is not a substance.

Mixtures Chemical characterization Mixture (preparation)

Hazardous ingredients

Substance name	CAS / EC / Index / REACH no,	Classification 67/548/EEC	Concentration	%-b.w.
	Glycerol 56-81-5 200-289-5	-	>50,00 - < 70,00	%-b.w.

Full Text for all R-phrases: pls. see section 16

4. FIRST AID MEASURES

Description of first aid measures

General information - If the patient is likely to become unconscious, place and transport in stable sideways position. In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation - Inhalation of product is unlikely. No special measures necessary.

After skin - contact In case of contact with skin wash off with water.

After eye contact - Remove contact lenses, irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart and seek medical advice.

After ingestion Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Let plenty of water be drunk in small gulps. Summon a doctor immediately.

Most important symptoms and effects, both acute and delayed - No data available.

Indication of any immediate medical attention and special treatment needed - No data available.

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5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media - Carbon dioxide; extinguishing powder; Water spray jet; Foam

Unsuitable extinguishing media - Full water jet

Special hazards arising from the substance or mixture - In the event of fire, the following can be released: Carbon monoxide and carbon dioxide

Advice for firefighters - Product itself does not burn. Adapt extinguisher and fire-fighting measures to fire in the environment. Use self-contained breathing apparatus. Wear protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel - Refer to protective measures listed in sections 7 and 8.

For emergency responders - No data available. Personal protective equipment (PPE) - see Section 8.

Environmental precautions - Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

Methods and material for containment and cleaning up - Take up mechanically. When picked up, treat material as prescribed under heading "Disposal considerations".

Reference to other sections - No data available.

7. Handling and storage

Precautions for safe handling

Advice on safe handling - Keep container tightly closed.

General protective and hygiene measures - Wash hands before breaks and after work. Do not eat, drink or smoke during work time. Remove soiled or soaked clothing immediately. Keep away from foodstuffs and beverages.

Advice on protection against fire and explosion - No special measures necessary.

Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions - Keep container tightly closed and dry in a cool, well-ventilated place.

Requirements for storage rooms and vessels - Keep only in the original container.

Advice on storage assembly - Do not store together with: explosive substances; strong oxidizing agents

Specific end use(s) - No data available.

8. Exposure controls/personal protection

Control parameters

Occupational exposure limit values

Substance name - Glycerol,

CAS no 56-81-5

EC no. 200-289-5.

List of approved workplace exposure limits (WELs) / EH40

Glycerol mist

TWA,

10 mg/m³

Exposure controls

Appropriate engineering controls - No data available.

Personal protective equipment

Respiratory protection - If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection Safety glasses with side protection shield (EN 166)

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Hand protection - Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Other - Normal chemical work clothing.

Environmental exposure controls - No data available.

9. Physical and chemical properties

Information on basic physical and chemical properties

Form - Solid

Colour - Brownish

Odour - Odourless

Odour threshold - No data available

pH value - No data available

Boiling point / boiling range - No data available

Melting point / melting range - No data available

Decomposition point / decomposition range - No data available

Flash point - No data available

Auto-ignition temperature - No data available

Oxidising properties - No data available

Explosive properties - No data available

Flammability (solid, gas) - No data available

Lower flammability or explosive limits - No data available

Upper flammability or explosive limits - No data available

Vapour pressure - No data available

Vapour density - No data available

Evaporation rate - No data available

Relative density - No data available

Density - No data available

Solubility in water - Insoluble

Solubility(ies) - No data available

Partition coefficient: n-octanol/water - No data available

Viscosity - No data available

Other information - No data available.

10. Stability and reactivity

Reactivity - No data available.

Chemical stability - No data available.

Possibility of hazardous reactions - No data available.

Conditions to avoid - None, if handled according to order.

Incompatible materials - None known.

Hazardous decomposition products - No hazardous decomposition products known.d.

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11. Toxicological information

Acute oral toxicity - No data available
Acute dermal toxicity - No data available
Acute inhalational toxicity - No data available
Skin corrosion/irritation - No data available
Serious eye damage/irritation - No data available
Respiratory or skin sensitisation - No data available
Germ cell mutagenicity - No data available
Reproduction toxicity - No data available
Carcinogenicity - No data available
STOT-single exposure - No data available
STOT-repeated exposure - No data available
Aspiration hazard - No data available

12. Ecological information

Toxicity
Fish toxicity - No data available
Daphnia toxicity - No data available
Algae toxicity - No data available
Bacteria toxicity - No data available
Persistence and degradability - No data available.
Bioaccumulative potential - No data available.
Mobility in soil - No data available.
Results of PBT and vPvB assessment - No data available.
Other adverse effects - No data available.
Other information - Do not discharge product unmonitored into the environment.

13. Disposal considerations

Waste treatment methods
Product - Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.
Packaging - Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

14. Transport information

Transport ADR/RID/ADN - The product is not subject to ADR/RID/ADN regulations.
Transport IMDG - The product is not subject to IMDG regulations.
Transport ICAO-TI / IATA - The product is not subject to ICAO-TI / IATA regulations.
Other information - No data available.
Special precautions for user - No data available.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code - Not relevant

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15. Regulatory information

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

EU regulations

Restriction of occupation

Adhere to the national sanitary and occupational safety regulations when using this product.

Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

Remarks - Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10.

Chemical safety assessment - No data available.

16. Other information

Sources of key data used to compile the data sheet:

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EC

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.