

1. IDENTIFICATION OF SUBSTANCES / PREPARATION AND COMPANY

Product Name: Flexisil Duplicating Silicone
Product Code: 484

Application: Addition cured silicone for producing working models for chrome cobalt denture production.

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2. HAZARD IDENTIFICATION

GHS classifications:

Label elements:



Hazard Statements:

H412 Harmful to aquatic life with long lasting effects.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

Chemical characterisation: Paste

4. FIRST AID MEASURES

Description of first aid measures

After inhalation: Not applicable.

After contact with skin: After contact with skin wash immediately with water and soap.

After contact with eyes: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion: Consult physician.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media:

Water fog, extinguishing powder, sand, foam, carbon dioxide (CO₂)

Extinguishing media which must not be used for safety reasons:

High power water jet.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing.

Environmental precautions

Do not empty into drains or the aquatic environment.

Methods and material for containment and cleaning up

Collect mechanically. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid or universal binding agents).

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Keep container tightly closed. Wear suitable protective clothing and gloves. Avoid contact with eyes.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Ensure adequate ventilation of the storage area. Store only in original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection:

No risks worthy of mention.

Hand protection:

Tested protective gloves are to be worn. Suitable material NBR (Nitrile rubber).

Eye protection:

Tightly sealed safety glasses.

Skin protection:

When using do not eat or drink.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state:	Paste
Colour:	Characteristic
Odour:	Characteristic
pH-Value (at 20°C):	Not applicable

Changes in the physical state

Boiling point:	>300°C
Flash point:	>130°C
Ignition temperature:	>400°C
Density:	1,2 – 1,7 g/cm ³
Water solubility:	Insoluble
Vapour density:	>1

10. STABILITY AND REACTIVITY

Conditions to avoid

Heat

Decomposition takes place from temperatures above 100°C

Decomposition under formation of Formaldehyde.

Incompatible materials

On contact with water: Formation of hydrogen.

Hazardous decomposition products

Hydrogen. Formaldehyde.

11. TOXICOLOGY INFORMATION

Information on toxicological effects

Acute toxicity

LD50: Rat. 5000 mg/kg

Irritation and corrosivity

Irritant effect on the skin: Not an irritant

Irritant effect on the eye: Irritant.

12. ECOLOGICAL INFORMATION

Toxicity

Acute fish toxicity LC50: > 200 mg/l/96h

Persistence degradability

Preparation not tested.

Further information

Do not empty into drains or the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Advice on disposal

Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

Waste disposal number of waste from residues/unused products

180106 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care); wastes from natal care, diagnosis, treatment or prevention of disease in humans; chemicals consisting of or containing dangerous substances.

Classified as hazardous waste.

14. TRANSPORT INFORMATION

Other applicable information

Not a hazardous material with respect to these transportation regulations.

15. REGULATORY INFORMATION

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

National regulatory information:

Water contaminating class (D): 1 – slightly water contaminating

16. FURTHER INFORMATION

The data given above covers exclusively the safety requirements of the product(s) and is based on our current knowledge and experience. It does not signify any warranty with regards to the products properties. This product is only supplied for specific uses in dentistry and must be used in accordance with the directions for use.