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

1.1 Product identifier: ***DFS Duplicating gel green, DFS Duplicating gel plaster pink, DFS Duplicating gel plaster transparent***

Product code: 28028, 28029, 28030

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

Auxiliary material based on Agar Agar for the purpose of production of dental model duplicates by means of reversible hydrocolloid gel

1.3 Details of the supplier of the safety data sheet:

Company name: DFS-Diamon GmbH
Street: Ländenstrasse 1
Place: D-93339 Riedenburg
e-mail: info@dfs-diamon.de
Internet: www.dfs-diamon.de
Contact person: Andrej Beck
Telephone: +49 (0) 9442 9189 0
Telefax: +49 (0) 9442 9189 37

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

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

2.2 Label elements:

Not relevant

2.3 Other hazards:

PVT assessment, vPvB assessment – no data available

SECTION 3: Composition/information on ingredients

3.2. Chemical characterization:

Mixture (preparation)

Hazardous components:

EC-No. CAS-No. Index-No. REACH-No.	Chemical name Classification according to Directive 67/548/EEC Classification according to Regulation (EC) No. 1272/2008 (CLP)	Quantity
200-289-5 56-81-5 -- --	**glycerol**	>50,00 - >70,00 %

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 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.

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

After contact with eyes: 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.

4.2 Most important symptoms and effects, both acute and delayed:

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Carbon dioxide (CO2), Foam, Extinguishing powder, Water spray jet

Suitable extinguishing media:
Full water jet.

5.2 Special hazards arising from the substance or mixture:

In the event of fire, the following can be released: Carbon monoxide and carbon dioxide

5.3 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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions:

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

6.3 Methods and material for containment and cleaning up:

Take up mechanically. When picked up, treat material as prescribed under heading "Disposal considerations".

6.4 Reference to other sections:

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Advice on safe handling:
Keep container tightly closed. 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.

7.2 Conditions for safe storage, including any incompatibilities:

Requirements for storage rooms and vessels:
Keep container tightly closed. Keep in a cool, well-ventilated place.
Keep only in the original container.

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

7.3. Specific end use(s):

Dental prothesis

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³ fibres/ml	EC No.
56-81-5	**glycerol**	TWA	10 mg/m^3	**200-289-5**

8.2 Exposure controls:

Appropriate engineering controls No data available.

Protective and hygiene measures: 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.

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

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.

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Other protection: Normal chemical work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Form: solid - elastic
Colour: green, pink, transparent
Odour:

Safety-related data:

Melting point:	>80°C
Working temperature:	44-52°C
Solidification point:	> 35°C
Flash point:	Not applicable.
Danger of explosion:	None.
Density:	approx. 1,1g/m^3
Oxidizing characteristics:	None.
PH-value:	neutral

9.2 Other information:

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity: No data available.

10. 2 Chemical stability: No data available.

10.3 Possibility of hazardous reactions: No data available.

10.4 Conditions to avoid: None, if handled according to order.

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10.5 Incompatible materials: None known.

10.6 Hazardous decomposition products: No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:	No data available.
Irritation and corrosivity:	No data available.
Sensitising effects:	No data available**.**
STOT-single exposure:	No data available.
Severe effects after repeated or prolonged exposure:	No data available.
Carcinogenic/mutagenic/toxic effects for reproduction:	No data available.
Aspiration hazard:	No data available.

SECTION 12: Ecological information

12.1. **Toxicity:** No data available.

12.2. **Persistence and degradability:** No data available.

12.3. **Bioaccumulative potential:** No data available.

12.4. **Mobility in soil:** No data available.

12.5. **Results of PBT and vPvB assessment:** No data available.

12.6 **Other adverse effects:** No data available.

Further information: Do not discharge product unmonitored into the environment.

SECTION 13: Ecological information

13.1 **Waste treatment methods:**

Advice on disposal:
Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Contaminated packaging:
Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incomplete emptied containers must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

Land transport (ADR/RID):

14.1. UN-number: The product is not subject to ADR/RID/ADN regulations.
14.2. UN proper shipping name:
14.3. Transport hazard class (es):
14.4. Packing group:

Inland waterways transport (ADN):

14.1. UN-number: The product is not subject to ADR/RID/ADN regulations.
14.2. UN proper shipping name:
14.3. Transport hazard class (es):
14.4. Packing group:

Marine transport (IMDG):

14.1. UN-number: The product is not subject to IMDG regulations.
14.2. UN proper shipping name:
14.3. Transport hazard class (es):
14.4. Packing group:

Air transport (ICAO):

14.1. UN-number: The product is not subject to ICAO-TI / IATA regulations.
14.2. UN proper shipping name:
14.3. Transport hazard class (es):
14.4. Packing group:

14.5. Environmental hazards:
No data available.

14.6. Special precautions for user:
No data available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:
not applicable

SECTION 15: Regulatory information

15.1. 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.

15.2. Chemical safety assessment:
No data available.

SECTION 16: Other information

Abbreviations and acronyms:

ADR: Accord européen sur le transport 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 Harmonized 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
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)
Status: August 2017/ps