

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

FINOGEL PLUS Duplicating Gel

Print date: 19.12.2011

14002

Page 1 of 7

SECTION 1: Identification of the substance/mixture and of the company/undertaking**Product identifier****FINOGEL PLUS Duplicating Gel**

Article number: 14002

Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Investment of wax-ups in the in the resin casting technique.

Uses advised against

No further data.

Details of the supplier of the safety data sheet

Company name:	FINO GmbH	
Street:	Mangelsfeld 18	
Place:	D-97708 Bad Bocklet	
Telephone:	+49-97 08-90 94 20	Telefax: +49-97 08-90 94 21
e-mail:	info@fino.com	
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SECTION 2: Hazards identification**Classification of the substance or mixture**

No risks worthy of mention.

Label elements**Additional advice on labelling**

Void

Other hazards

The product is liable to marking based on the evaluation procedure of the "General Directive for Classification of Preparations of the EC" in the lasted valid version.

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

SECTION 3: Composition/information on ingredients**Substances****Chemical characterization**

Hydrocolloid on the basis of agar-agar/water/glycerol.

Further Information

Full text of R-phrases: see section 16.

SECTION 4: First aid measures**Description of first aid measures****General information**

No special measures are necessary.

After inhalation

Provide fresh air.

Seek medical attention if problems persist.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

FINOGEL PLUS Duplicating Gel

Print date: 19.12.2011

14002

Page 2 of 7

After contact with skin

The product is not skin irritating.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart.

In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink large quantities of water.

Seek medical attention if problems persist.

Most important symptoms and effects, both acute and delayed

No further data.

Indication of any immediate medical attention and special treatment needed

No specific information.

SECTION 5: Firefighting measures**Extinguishing media****Suitable extinguishing media**

Extinguishing materials should be selected according to the surrounding area.

Extinguishing media which must not be used for safety reasons

No specific information.

Special hazards arising from the substance or mixture

No further information.

Advice for firefighters

No information.

Additional information

No special measures are necessary.

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.

Guide people to safety.

Wear personal protection equipment.

No dangerous materials are released.

Environmental precautions

Do not allow to enter sewers / surface or ground water.

Methods and material for containment and cleaning up

Allow stiffening.

Remove mechanically, placing in appropriate containers for disposal.

Reference to other sections

See protective measures under point 7 and 8.

Treat the assimilated material according to the section on waste disposal.

SECTION 7: Handling and storage**Precautions for safe handling****Advice on safe handling**

When using do not eat, drink or smoke.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

FINOGEL PLUS Duplicating Gel

Print date: 19.12.2011

14002

Page 3 of 7

Further information on handling

The usual precautionary measures are to be adhered to when handling chemicals.

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed.

Advice on storage compatibility

Not required.

Further information on storage conditions

No special precautionary measures.

Storage class

Ordinance on Industrial Safety and Health (BetrSichV). ---

Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection**Control parameters****Additional advice on limit values**

Refer to chapter 7. No further action is necessary.

Exposure controls**Occupational exposure controls**

Does not contain substances above concentration limits fixing an occupational exposure limit.

Protective and hygiene measures

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection

Respiratory protection not required.

Hand protection

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

penetration time (maximum wearing period):

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.

Eye protection

Protective goggles with side protection recommendable.

Skin protection

Lab apron.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties**

Physical state:

solid

Colour:

dark green

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

FINOGEL PLUS Duplicating Gel

Print date: 19.12.2011

14002

Page 4 of 7

Odour: characteristic

Test method

pH-Value (at 50 °C): 7

Changes in the physical state

Melting point: < 92 °C

Boiling point: > 100 °C

@0902.B009276: > 130 °C

Flash point: > 150 °C

Explosive properties

Product is not explosive.

Lower explosion limits: 0,9 vol. %

Upper explosion limits: ---

Ignition temperature: > 300 °C

Auto-ignition temperature

Solid: Product is not selfigniting.

Vapour pressure: 23 hPa
(at 20 °C)

Density (at 20 °C): 1,1-1,2 g/cm³

Water solubility: easily soluble.
(at 92 °C)

Viscosity / dynamic: 0,7-1,0 mPa·s
(at 50 °C)

Solvent content: mixable with most organic solvent cleaners
40-80 %
Water. 20-60 %

Other information

SECTION 10: Stability and reactivity

Reactivity

No data available

Chemical stability

No information available.

Possibility of hazardous reactions

No dangerous reactions known.

Conditions to avoid

No specific if used according to specifications.

Incompatible materials

Not known.

Hazardous decomposition products

No dangerous decomposition products known.

Further information

None

SECTION 11: Toxicological information

Information on toxicological effects

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

FINOGEL PLUS Duplicating Gel

Print date: 19.12.2011

14002

Page 5 of 7

Acute toxicity

For this substance the summation method is not applicable to use for calculation of appropriate mixture classifications.

Specific effects in experiment on an animal

Toxicological data are not available.

Irritation and corrosivity

No irritant effect.

Sensitizing effects

No sensitizing effect known.

Severe effects after repeated or prolonged exposure

The product is not liable to marking based on the evaluation procedure of the "General Directive for Classification of Preparations of the EC in the lasted valid version".

Based on our experiences and information the product does not cause harmful health effects if handled according to specifications and used according to indications.

Carcinogenic/mutagenic/toxic effects for reproduction

No additional indications for carcinogenic or mutagenic impacts and effects toxic for reproduction.

Additional information on tests

None

Empirical data on effects on humans

No special references.

No special precautionary measures.

SECTION 12: Ecological information**Toxicity**

Don't let flow into the ground water, in waters or the sewage system undiluted resp. in larger quantities.

Persistence and degradability

Evidence exists of biological decomposition processes.

Bioaccumulative potential

No indication of bio-accumulation potential.

Mobility in soil

Respective data are not available.

Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Other adverse effects

No effects known.

Further information

None

SECTION 13: Disposal considerations**Waste treatment methods****Advice on disposal**

Waste disposal according to official state regulations.

Can be disposed of on a rubbish tip for household waste.

Contaminated packaging

Waste disposal according to official state regulations.

Cleaned containers may be recycled.

SECTION 14: Transport information

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

FINOGEL PLUS Duplicating Gel

Print date: 19.12.2011

14002

Page 6 of 7

Land transport (ADR/RID)

UN number: 0000
UN proper shipping name: No dangerous good in sense of this transport regulation.
Other applicable information (land transport)
 Not restricted

Inland waterways transport

UN number: 0000
UN proper shipping name: No dangerous good in sense of this transport regulation.
Other applicable information (inland waterways transport)
 Not restricted

Marine transport

UN number: 0000
UN proper shipping name: Not a hazardous material with respect to transportation regulations.
Other applicable information (marine transport)
 Not restricted

Air transport

UN/ID number: 0000
UN proper shipping name: Not a hazardous material with respect to transportation regulations.
Other applicable information (air transport)
 Not restricted

Environmental hazards

Dangerous for the environment: no

Special precautions for user

No special precautionary measures are necessary.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No special precautionary measures.

SECTION 15: Regulatory information

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

EU regulatory information

1999/13/EC (VOC): None

Additional information

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

National regulatory information

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

Additional information

No further data.
 Ordinance on Industrial Safety and Health (BetrSichV). ---

Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

**Safety Data Sheet**

according to Regulation (EC) No. 1907/2006

FINOGEL PLUS Duplicating Gel

Print date: 19.12.2011

14002

Page 7 of 7

SECTION 16: Other information**Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.