

Product name: REPLIFIX-2 & REPLIFIX-20, YELLOW AND BLUE Page: 1/7
Revision Date: 2013-12-09 Print date: 2013-12-09
Document No.: M0178 SDS-ID: US-EN/3.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name: REPLIFIX-2 & REPLIFIX-20, YELLOW AND BLUE
Cat. No. 40900084, 40900086

Container size: Yellow/Blue: 250 g

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

Application: For 3D replica

Details of the supplier of the safety data sheet

Supplier: Struers A/S
Pederstrupvej 84
DK-2750 Ballerup
Tel:+45 44 600 800

Responsible for material safety data sheet authoring: Responsible for material safety data sheet authoring: DHI
Any questions to the contents of this material safety data sheet should be sent to:
Lisbeth.Mygind@struers.dk

Emergency telephone number

Emergency telephone: Infotrac:
1-800-535-5053
Struers US:
1-440-871-0071

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

The product is not classified.

Physical and Chemical Hazards: The dangerous properties of the product are considered limited.

Hazards:

Human health: May cause minor irritation on skin contact. May cause minor irritation on eye contact.

Environment: The product is not expected to be hazardous to the environment.

Label elements

Based on information from the manufacturer regarding the chemical composition, the product is not liable to classification, but the following labeling must be applied:

NFPA Rating: Health:1 Fire:1 Reactivity:0 Other:-

Safety data sheet available for professional user on request.

Other hazards

PBT/vPvB: Not relevant.

SAFETY DATA SHEET

Product name:	REPLIFIX-2 & REPLIFIX-20, YELLOW AND BLUE	Page:	2/7
Revision Date:	2013-12-09	Print date:	2013-12-09
Document No.:	M0178	SDS-ID:	US-EN/3.0

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

The product contains: Organopolysiloxane mixture.

67/548/EEC:

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>REACH Reg. No:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
70	14808-60-7	238-878-4	-	Quartz	-	

GHS:

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>REACH Reg. No:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
70	14808-60-7	238-878-4	-	Quartz	-	

SECTION 4: FIRST AID MEASURES

Description of first aid measures

<u>Inhalation:</u>	Not likely, due to the form of the product.
<u>Skin contact:</u>	Remove contaminated clothes and rinse skin thoroughly with water.
<u>Eye contact:</u>	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring these instructions.
<u>Ingestion:</u>	Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.

Most important symptoms and effects, both acute and delayed

Symptoms/effects: See section 11 for more detailed information on health effects and symptoms.

Indication of any immediate medical attention and special treatment needed

Medical attention/treatments: Not known.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Special hazards arising from the substance or mixture

Specific hazards: Not known.

Advice for firefighters

Protective equipment for fire-fighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

SAFETY DATA SHEET

Product name:	REPLIFIX-2 & REPLIFIX-20, YELLOW AND BLUE	Page:	3/7
Revision Date:	2013-12-09	Print date:	2013-12-09
Document No.:	M0178	SDS-ID:	US-EN/3.0

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid contact with skin and eyes. Avoid inhalation of dust.

Environmental precautions

Environmental precautions: Avoid discharge into water courses or onto the ground.

Methods and material for containment and cleaning up

Spill Cleanup Methods: Scrape up spillage or absorb with absorbing material.

Reference to other sections

References: For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Safe handling advice: Avoid inhalation of dust and contact with skin and eyes. Observe good chemical hygiene practices.

Technical measures: Work practice should minimize contact. Use work methods which minimize dust production.

Technical precautions: Local exhaust is recommended.

Conditions for safe storage, including any incompatibilities

Technical measures for safe storage: No special precautions.

Storage conditions: Store in tightly closed original container. Store at room temperature.

Specific end use(s)

Specific use(s): Not relevant.

SAFETY DATA SHEET

Product name: REPLIFIX-2 & REPLIFIX-20, YELLOW AND BLUE Page: 4/7
Revision Date: 2013-12-09 Print date: 2013-12-09
Document No.: M0178 SDS-ID: US-EN/3.0

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits:

<u>CAS-No.:</u>	<u>Chemical name:</u>	<u>As:</u>	<u>Exposure limits:</u>	<u>Type:</u>	<u>Notes:</u>	<u>References:</u>
14808-60-7	Silica, Crystalline, respirable fraction	-	0.025 mg/m3	TWA	A2	ACGIH
14808-60-7	Silica, crystalline quartz, respirable dust	-			-	OSHA

Notes: A2: Suspected Human Carcinogen.

Exposure controls

Engineering measures: Dust-raising handling: Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of dust.

Personal protection: Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment: In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2).

Hand protection: Risk of contact: Wear protective gloves.

Eye protection: Risk of contact: Wear goggles/face shield.

Skin protection: No special precautions.

Hygiene measures: Wash hands after handling. When using do not eat, drink or smoke. Personal protection may not be worn during meal breaks. Personal protection must be kept separate from other clothes.

Environmental Exposure Controls: Not available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance: yellow paste
blue paste

Odor: slight odor

pH: Not available.

Boiling point: Not available.

Flash point: >150°C

Explosion limits: Not available.

Relative density: 1,8 (25°C)

Solubility: insoluble in water

Other information

Other data: VOC (Volatile Organic Substances): 0 g/l

SAFETY DATA SHEET

Product name:	REPLIFIX-2 & REPLIFIX-20, YELLOW AND BLUE	Page:	5/7
Revision Date:	2013-12-09	Print date:	2013-12-09
Document No.:	M0178	SDS-ID:	US-EN/3.0

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Reactivity: None known.

Chemical stability

Stability: Yellow: Unstable.
Blue: Stable.

Curing time:
REPLIFIX-2: 10 min. (25°C/77°F)
REPLIFIX-20: 60 min. (25°C/77°F)

Possibility of hazardous reactions

Hazardous Reactions: None known.

Conditions to avoid

Conditions/materials to avoid: Strong acids and strong bases. Oxidizing agents.

Incompatible materials

Incompatible materials: None known.

Hazardous decomposition products

Hazardous decomposition products: Not relevant.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Inhalation: Dust-raising handling: Dust may irritate throat and respiratory system and cause coughing.

Skin contact: Prolonged contact may cause redness and irritation.

Eye contact: May cause temporary eye irritation.

Ingestion: No harmful effects expected in amounts likely to be ingested by accident.

Specific effects: This product contains crystalline silica which is considered hazardous by inhalation (as dust) and classified as an agent, which is probably carcinogenic to humans by IARC and NTP.
Due to the fact that the product does not generate dust under normal handling, the supplier considers that the product does not fall under Group 2A in IARC and that it is not considered as a carcinogen in NTP.

SAFETY DATA SHEET

Product name:	REPLIFIX-2 & REPLIFIX-20, YELLOW AND BLUE	Page:	6/7
Revision Date:	2013-12-09	Print date:	2013-12-09
Document No.:	M0178	SDS-ID:	US-EN/3.0

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecotoxicity: The product is not expected to be hazardous to the environment.

Persistence and degradability

Degradability: The degradability of the product has not been stated.

Bioaccumulative potential

Bioaccumulative potential: No data available on bioaccumulation.

Mobility in soil

Mobility: No data available.

Results of PBT and vPvB assessment

PBT/vPvB: Not relevant.

Other adverse effects

Other adverse effects: None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

Waste from residues: EWC-code: 16 05 09

SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, DOT).

UN number

UN-No: -

UN proper shipping name

Proper Shipping Name: -

Transport hazard class(es)

Class: -

Packing group

PG: -

Environmental hazards

Marine pollutant: -

Environmentally Hazardous substance: -

Special precautions for user

Special precautions: None known.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Transport in bulk: Not relevant.

SAFETY DATA SHEET

Product name:	REPLIFIX-2 & REPLIFIX-20, YELLOW AND BLUE	Page:	7/7
Revision Date:	2013-12-09	Print date:	2013-12-09
Document No.:	M0178	SDS-ID:	US-EN/3.0

SECTION 15: REGULATORY INFORMATION

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

Special provisions: TSCA: Listed.

National regulation: Europe/USA:
This Material Safety Data Sheet has been prepared according to the EU-regulation.
Threshold Limit Values (2013), ACGIH, by the American Conference on Governmental Industrial Hygienists.

Chemical Safety Assessment

CSA status: Not relevant.

SECTION 16: OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

The following sections contain revisions or new statements: -

The (*) indicates the changes made with respect to the previous version.

Approved by DHI.

Allan Vorup

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

Made by DHI - Environment and Toxicology, Agern Allé 5, DK-2970 Hørsholm, Denmark.
www.dhigroup.com.
