SAFETY DATA SHEET

Product name: REPLIFIX-2 & REPLIFIX-20, YELLOW AND BLUE  Page: 1/10
Revision Date: 2018-12-18  Print date: 2018-12-18
Document No.: M0178  SDS-ID: CA-EN/9.0

1. IDENTIFICATION

Product identifier

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

Container size: Yellow/Blue: 250 g

Recommended use and restrictions on use

Application: Replication system for materialographic surfaces.

Details of the supplier of the safety data sheet

Supplier: Struers Ltd
7275 West Credit Avenue
Ontario L5N 5M9 Mississauga
Canada
Tel:+1 (905) 8148855

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

Emergency telephone number

Alberta & NWT:
Poison & Drug Information Service (PADIS): 1-800-332-1414
British Columbia:
Drug and Poison Information Centre (DPIC): 604-682-5050 / 1-800-567-8911
Ontario:
Poison Centre: 1-800-268-9017
Québec:
Poison Control Centre: 1-800-463-5060

Infotrac:
1-800-535-5053
Struers CAN:
+1 (905) 8148855
(Only during office hours)

2. HAZARDS IDENTIFICATION

Classification of the hazardous product

WHMIS 2015: The product is not classified.

Label elements
The substance/mixture does not meet the criteria for classification and labelling.

Other hazards
Prolonged skin contact may cause redness and irritation. May cause minor irritation on eye contact.

PBT/vPvB: Not Classified as PBT/vPvB by current EU criteria.

3. COMPOSITION/INFORMATION ON INGREDIENTS
4. FIRST-AID MEASURES

**Description of first-aid measures**

**Inhalation:** Not likely, due to the form of the product.

**Skin contact:** Remove contaminated clothes and rinse skin thoroughly with water.

**Eye contact:** Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

**Ingestion:** 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: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

**Extinguishing media**

Extinguishing media: Extinguish with foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the hazardous product**

Specific hazards: In case of fire, toxic gases may be formed.

**Advice for fire-fighters**

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

**Personal precautions, protective equipment and emergency procedures**

**Protective equipment:** Avoid contact with skin and eyes. Avoid inhalation of dust. For personal protection, see section 8. (*)

**Emergency procedures:** For personal protection, see section 8. No specific recommendations. (*)

**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 items**

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

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**

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

**Specific end-use(s)**

**Specific use(s):** No information available.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Other provincial OEL's may apply.

Occupational exposure limits:

<table>
<thead>
<tr>
<th>CAS-No.:</th>
<th>Chemical name:</th>
<th>As:</th>
<th>Exposure limits:</th>
<th>Type:</th>
<th>Notes:</th>
<th>References:</th>
</tr>
</thead>
<tbody>
<tr>
<td>14808-60-7</td>
<td>Silica - Crystalline, Quartz, respirable dust</td>
<td>-</td>
<td>0.1 mg/m³</td>
<td>TWA</td>
<td>C2</td>
<td>Quebec</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>Silica, crystalline, α-quartz, respirable</td>
<td>-</td>
<td>0.025 mg/m³</td>
<td>TWA</td>
<td>A2; 1</td>
<td>BC</td>
</tr>
</tbody>
</table>

Notes:
- C2: Carcinogenic effect suspected in humans.
- A2: Suspected Human Carcinogen.
- 1: Carcinogenic to humans (IARC).

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: Wear apron or protective clothing in case of contact.

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.
9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

(*)

**Appearance:**
- yellow paste
- blue paste

**Odour:**
- slight odour

**Odour threshold:**
- Not available.

**pH:**
- Not applicable.

**Melting point:**
- Not available.

**Boiling point:**
- Not available.

**Flash point:**
- >100°C

**Evaporation rate:**
- Not available.

**Flammability (solid, gas):**
- Not applicable.

**Explosion limits:**
- Not available.

**Vapour pressure:**
- Not available.

**Vapour density:**
- Not applicable.

**Relative density:**
- 1.8 (25°C)

**Solubility:**
- insoluble in water

**Partition coefficient (n-octanol/water):**
- Not available.

**Auto-ignition temperature (°C):**
- Not available.

**Decomposition temperature (°C):**
- Not available.

**Viscosity:**
- Not available.

**Explosive properties:**
- Not available.

**Oxidising properties:**
- Not available.

**Other information**

**Other data:**
- Volatile Organic Compound (VOC): 0 g/l
10. STABILITY AND REACTIVITY

**Reactivity**

Reactivity: There are no known reactivity hazards associated with this product.

**Chemical stability**

Stability: Stable under normal temperature conditions and recommended use.

**Possibility of hazardous reactions**

Hazardous Reactions: None under normal conditions.

**Conditions to avoid**

Conditions/materials to avoid: No information available.

**Incompatible materials**


**Hazardous decomposition products**

Hazardous decomposition products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
### 11. TOXICOLOGICAL INFORMATION

**Information on toxicological effects**

<table>
<thead>
<tr>
<th>Category</th>
<th>Based on available data, the classification criteria are not met.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity (Oral)</td>
<td></td>
</tr>
<tr>
<td>Acute Toxicity (Dermal)</td>
<td></td>
</tr>
<tr>
<td>Acute Toxicity (Inhalation)</td>
<td></td>
</tr>
<tr>
<td>Skin Corrosion/Irritation</td>
<td></td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td></td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td></td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td></td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>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.</td>
</tr>
<tr>
<td>Reproductive Toxicity</td>
<td></td>
</tr>
<tr>
<td>STOT - Single exposure</td>
<td></td>
</tr>
<tr>
<td>STOT - Repeated exposure</td>
<td></td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td>Dust-raising handling: Dust may irritate throat and respiratory system and cause coughing.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Prolonged contact may cause redness and irritation.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>May cause temporary eye irritation.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No harmful effects expected in amounts likely to be ingested by accident.</td>
</tr>
</tbody>
</table>
12. ECOLOGICAL INFORMATION

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

Persistence and degradability
Degradability: The product contains inorganic compounds which are not biodegradable. The other substances of the product are slowly biodegradable.

Bioaccumulative potential
Bioaccumulative potential: No data available on bioaccumulation.

Mobility in soil
Mobility: No data available.

Results of PBT and vPvB assessment
PBT/vPvB: This product does not contain any PBT or vPvB substances.

Other adverse effects
Other adverse effects: No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods
Waste from residues: Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

Contaminated packaging: Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.
14. TRANSPORT INFORMATION

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

**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

15. REGULATORY INFORMATION

**Safety, health and environmental regulations specific to the product**

**Special provisions:** DSL: All chemicals included in the product are DSL listed or exempt.

**National regulation:** Hazardous Products Regulations, with amendments.
Canadian Environmental Protection Act, Reporting for the Domestic Substances List (DSL), with amendments.
Ontario: Control of Exposure to Biological or Chemical Agents R.R.O. 1990, Reg. 833, with amendments (2016).
Quebec: Regulation respecting the quality of the work environment, with amendments (2013-12-13).
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: 6, 9.
The (*) indicates the changes made with respect to the previous version.

Approved by DHI.

Additional information: Classification according to WHMIS 2015:
Calculation method.

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.