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

1.1 Product identifier

Trade name Silicate Primer D

Article number: 0624

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

No further relevant information available.

Application of the substance / the mixture: Priming

Uses advised against: No further relevant information available.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:
Remmers GmbH
Postfach 1255
D-49624 Lönigen / Germany
Tel.: +49(0)5432/83-0
Fax: +49(0)5432/3985

Informing department:
Product Safety department:
Tel.: Steve Dunn
Tel.: +44 (0) 1293 594 010
E-Mail: sales@remmers.co.uk

1.4 Emergency telephone number:

during working hours:
U.K.: Tel.: +44 (0) 1293 594 010
sales@remmers.co.uk
Head Office Germany: Tel.: +49 (0)5432 83 187
info@remmers.de
after working hours: Tel.: +49 (0)171 21 34 091

24h-Transport Emergency Contact Phone Number:
within USA and Canada: 1-800-424-9300
outside USA and Canada: 001-703-527-3887

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
Skin Corr. 1A H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS05

Signal word Danger

Hazard-determining components of labelling:
potassium methyl siliconate

(Contd. on page 2)
Trade name **Silicate Primer D**

**Hazard statements**
H314 Causes severe skin burns and eye damage.

**Precautionary statements**

- **P101** If medical advice is needed, have product container or label at hand.
- **P102** Keep out of reach of children.
- **P103** Read label before use.
- **P260** Do not breathe dusts or mists.
- **P280** Wear protective gloves/protective clothing/eye protection/face protection.
- **P303+P361+P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- **P304+P340** IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- **P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **P310** Immediately call a POISON CENTER/doctor.
- **P321** Specific treatment (see on this label).
- **P363** Wash contaminated clothing before reuse.
- **P405** Store locked up.
- **P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

### 2.3 Other hazards

**Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

### 3.2 Chemical characterisation: Mixtures

**Description:** Mixture of the substances listed below with harmless additions.

<table>
<thead>
<tr>
<th>CAS</th>
<th>Description</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>31795-24-1</td>
<td>Potassium methyl silicate</td>
<td>2.5-5%</td>
</tr>
<tr>
<td>250-807-9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reg.nr.: 01-2119517439-34-XXXX</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1312-76-1</td>
<td>Silicate acid, potassium salt</td>
<td>1-2.5%</td>
</tr>
<tr>
<td>Reg.nr.: 01-2119456888-17-XXXX</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Additional information**

For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

### 4.1 Description of first aid measures

**General information**

If symptoms occur or in case of doubt, seek medical attention. In case of unconsciousness, do not administer anything orally.

**After inhalation**

In case of unconsciousness bring patient into stable side position for transport.

**After skin contact**

Alkalinity removes fat from skin; use skin cream.

If skin irritation continues, consult a doctor.

Wash immediately with water and soap and rinse thoroughly.

**After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

**After swallowing**

Rinse mouth immediately with plenty of water and administer plenty of water in small swallows (diluting effect).

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

No further relevant information available.

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

Allow to inhale cortison spray as soon as possible.

**SECTION 5: Firefighting measures**

### 5.1 Extinguishing media

**Suitable extinguishing agents**

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
5.2 Special hazards arising from the substance or mixture
No further relevant information available.

5.3 Advice for firefighters
Protective equipment:
Wear self-contained breathing apparatus.
Body protection

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Particular danger of slipping on leaked/spilled product.
Ensure adequate ventilation
Put on breathing apparatus.
Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:
Do not allow to enter the ground/soil.
Observe local, official regulations.
Dilute with plenty of water.

6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.

6.4 Reference to other sections
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Use only in well ventilated areas.
Work with alkali resistant tools/equipment.
Ensure good ventilation/exhaust in workplaces.
Avoid the formation of aerosols.

Information about protection against explosions and fires: Keep breathing equipment ready.

7.2 Conditions for safe storage, including any incompatibilities
Storage
Requirements to be met by storerooms and containers: Store in alkali resistant containers.
Further information about storage conditions:
Protect from frost.
Keep container tightly closed.

7.3 Specific end use(s)
No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

8.1 Control parameters
Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with limit values that have to be monitored at the workplace.

Additional information: The lists that were valid during compilation were used as a basis.

8.2 Exposure controls
Personal protective equipment
General protective and hygienic measures
Do not eat, drink or smoke while working.
Use skin protection cream for preventive skin protection.
Keep away from food, beverages and animal feed.
Immediately remove soiled, saturated clothing.
Wash hands before pauses and after work.
Avoid contact with eyes and skin.
Respiratory equipment:
In case of insufficient ventilation/or spraying procedures: Respiratory equipment with particle filter P 2

In case of brief exposure or low pollution load, use respiratory protection equipment with filter. In case
of intensive or longer exposure, use self-contained respiratory protection equipment.

Protection of hands:
Protective gloves.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the
degradation

Material of gloves
Nitrile rubber, NBR
Butyl rubber, BR
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.

Penetration time of glove material
The determined penetration times according to EN 374 part III are not performed under practical
conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is
recommended.
The exact break trough time has to be found out by the manufacturer of the protective gloves and has
to be observed.

Eye protection: Tightly sealed safety glasses.

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:
Form: Fluid
Colour: Clear
Odour: Characteristic
Odour threshold: Not determined.

pH-value at 20 °C: 12.3

Change in condition
Melting point/freezing point: Not determined
Initial boiling point and boiling range: Not determined

Flash point: Not applicable

Inflammability (solid, gaseous) Not applicable.

Ignition temperature: not applicable

Decomposition temperature: Not determined.

Self-inflammability: Product is not self-igniting.

Explosive properties: Product is not explosive.

Explosive Limits:
Lower: Not determined.
Upper: Not determined.

Vapour pressure at 20 °C: 23 hPa

Density at 20 °C 1.05 g/cm³
Relative density
Vapour density Not determined.
Evaporation rate Not determined.

Solubility in / Miscibility with
Water: Fully miscible

(Contd. on page 5)
Trade name **Silicate Primer D**

<table>
<thead>
<tr>
<th>Distribution coefficient (n-octanol/water):</th>
<th>Not determined.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity:</td>
<td></td>
</tr>
<tr>
<td>dynamic</td>
<td>Not determined.</td>
</tr>
<tr>
<td>kinematic at 20 °C</td>
<td>11 s (DIN 53211/4)</td>
</tr>
<tr>
<td>Solvent separation test</td>
<td>&lt; 3 %</td>
</tr>
<tr>
<td>Organic solvents:</td>
<td>0.0 %</td>
</tr>
<tr>
<td>9.2 Other information</td>
<td>No further relevant information available.</td>
</tr>
</tbody>
</table>

### SECTION 10: Stability and reactivity

10.1 **Reactivity** No further relevant information available.

10.2 **Chemical stability**

_Thermal decomposition / conditions to be avoided:_
No decomposition if handled and stored according to specifications.

10.3 **Possibility of hazardous reactions**

Exothermic reaction with acids
Because of alkalinity, reactions with metals (e.g. zinc and aluminium) producing heat and hydrogen are possible.

10.4 **Conditions to avoid** No further relevant information available.

10.5 **Incompatible materials:**

- Acids
- Ammonium salts

10.6 **Hazardous decomposition products:**

None if stored properly.

None if used properly.

### SECTION 11: Toxicological information

11.1 **Information on toxicological effects**

_**Acute toxicity:***_ Based on available data, the classification criteria are not met.

_**LD/LC50 values that are relevant for classification:**_ No further relevant information available.

_**Skin corrosion/irritation:**_ Causes severe skin burns and eye damage.

_**Serious eye damage/irritation:**_ Causes serious eye damage.

_**Sensitisation:**_ Based on available data, the classification criteria are not met.

_**Germ cell mutagenicity:**_ Based on available data, the classification criteria are not met.

_**Carcinogenicity:**_ Based on available data, the classification criteria are not met.

_**Reproductive toxicity:**_ Based on available data, the classification criteria are not met.

_**STOT-single exposure:**_ Based on available data, the classification criteria are not met.

_**STOT-repeated exposure:**_ Based on available data, the classification criteria are not met.

_**Aspiration hazard:**_ Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

12.1 **Toxicity**

_**Aquatic toxicity:**_ No further relevant information available.

12.2 **Persistence and degradability** No further relevant information available.

12.3 **Bioaccumulative potential** No further relevant information available.

12.4 **Mobility in soil** No further relevant information available.

_**Ecotoxic effects:**_

_**Remark:**_

When leading acidic or alkaline products into sewage facilities, make sure that the discharged water does not exceed or fall below a pH range of 6 - 10 since shifts in pH value can cause disturbances in sewers and biological purification facilities. The local guidelines for discharge apply.

_**Additional ecological information:**_

_**General notes:**_

- Do not allow undiluted or non-neutralised product to reach the sewage system or receiving waters.
- Do not allow product to reach ground water, bodies of water or sewage system.
- Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably

(Contd. on page 6)
reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-
dangerous.
Do not allow undiluted or larger quantities of the product to reach ground water, bodies fo water or
sewage system.

12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

Recommendation
After diluting with water to a pH value of 8-9, the product can be led into sewage system.
Observe local regulations.
The given refuse codes are recommendations based upon the intended use of the product. Because of
special use and disposal conditions at the user’s, other codes may apply under other conditions.

European waste catalogue
07 04 04* other organic solvents, washing liquids and mother liquors

Uncleaned packaging:
Recommendation:
Disposal must be made according to official regulations.
Packaging can be reused or recycled after cleaning.
Recommended cleaning agent: Water, if necessary with cleaning agent.

SECTION 14: Transport information

14.1 UN-Number
ADR, ADN, IMDG, IATA Void

14.2 UN proper shipping name
ADR, ADN, IMDG, IATA Void

14.3 Transport hazard class(es)
ADR, ADN, IMDG, IATA
Class Void

14.4 Packing group
ADR, IMDG, IATA Void

14.5 Environmental hazards:
Marine pollutant: No

14.6 Special precautions for user Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.

Transport/Additional information: Not a hazardous good according to the above regulations.

UN ”Model Regulation”: Void

SECTION 15: Regulatory information

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

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.
REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information
Delivery specifications are found in the respective Technical Information Sheets.
This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship.

Relevant phrases
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.

Department issuing data specification sheet: Product Safety department / EHS

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 Harmonised 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 (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2