

Safety data sheet
according to UK REACH

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

· 1.1 Product identifier

· Trade name: **MONOFLEX-S2**

· UFI: DUT7-CKY0-T005-US1A

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

· **Sector of Use** SU19 Building and construction work· **Application of the substance / the mixture** Tile adhesive

· 1.3 Details of the supplier of the safety data sheet

· **Manufacturer/Supplier:**

SCHOMBURG GmbH & Co. KG
Aquafinstr. 2-8
D-32760 Detmold
Detmold, Germany

· **New Zealand Supplier:**

Equus Industries Ltd
Sheffield St, Riverlands Industrial Estate
Blenheim, Marlborough

Tel: ++49 (0)5231/953-00
Fax: ++49 (0)5231/953-123
Internet: www.schomburg.de

Tel: +64 03 578 0214
Email: admin@equus.co.nz

· **Informing department:**

Department: Environment and Safety

If you have any questions about the Environment and Safety Department, please contact our department.

e-mail: SDB@schomburg.de

· **1.4 Emergency telephone number:**

Poison centre Berlin (24 hours)
German & English
Tel: ++49 (0)30/30686700

· **New Zealand National Poison Centre:**

Tel: 0800 764 766

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· **Classification according to Regulation (EC) No 1272/2008**

GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

· 2.2 Label elements

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the GB CLP regulation.

· **Hazard pictograms** GHS05· **Signal word** Danger· **Hazard-determining components of labelling:**

calcium sulfoaluminate cement

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- **Hazard statements**
 - H315 Causes skin irritation.
 - H318 Causes serious eye damage.
- **Precautionary statements**
 - P264 Wash thoroughly after handling.
 - P280 Wear protective gloves / eye protection / face protection.
 - P302+P352 IF ON SKIN: Wash with plenty of water.
 - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P332+P313 If skin irritation occurs: Get medical advice/attention.
- **2.3 Other hazards** Not anwendbar.
- **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Product based on cement and mineral filler.
- **Dangerous components:**

EC number: 934-133-9 calcium sulfoaluminate cement	10-25%
⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; STOT SE 3, H335	
- **Additional information**

The chromate content in cement is less than 2 ppm so that the labelling with H317 is not applicable (1907/2006/EG, Annex XVII (47)).
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**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
Personal protection for the First Aider.
It is possible to choke in case of vomiting in unconsciousness.
Bring unconscious persons into a stable position on side.
Keep the respiratory tract free (remove dentures and vomiting).
Check the pulse. In case of heart failure you have to make a cardiac massage. In case of stoppage of breathing: artificial respiration.
Take up a doctor immediately!
- **After inhalation**

Supply fresh air or oxygen; call for doctor.
In case of unconsciousness bring patient into stable side position for transport.
- **After skin contact**

In case of contact with skin, remove mechanically, wash thoroughly with plenty of soap and water.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing**

Drink copious amounts of water and provide fresh air. Instantly call for doctor.
Do not induce vomiting; instantly call for medical help.
Show the packaging or the label to the doctor.
- **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**

No further relevant information available.

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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. Use fire fighting measures that suit the environment.
- **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.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Follow the emergency-plan.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Bring persons out of danger.
Wear protective equipment. Keep unprotected persons away.
Wear protective clothing.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or water bodies.
Inform respective authorities in case product reaches water or sewage system.
- **6.3 Methods and material for containment and cleaning up:**
Ensure adequate ventilation.
Pick up the product mechanically, avoid dust formation.
- **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**
Ensure good ventilation/extraction at the workplace.
Prevent formation of dust.
Keep out of the reach of children
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:**
Please follow the rules of the VCI-Storage-Concept for chemicals.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Components with critical values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the compilation were used as basis.

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- **8.2 Exposure controls**

- **Appropriate engineering controls**

It must be possible to wash the skin in the working area.
Eye-wash bottle must be available.

- **Individual protection measures, such as personal protective equipment**

- **General protective and hygienic measures**

The usual precautionary measures should be adhered to in handling the chemicals.
Instantly remove any soiled and impregnated garments.
Vacuum clean contaminated clothing. Do not blow or brush off contamination.
Avoid contact with the eyes and skin.
Do not eat, drink or smoke while working.
Use skin protection cream for preventive skin protection.
Be sure to clean skin thoroughly after work and before breaks.

- **Breathing equipment:**

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
For work with higher dust loads: Particle filter class P2

- **Hand protection**

Hand Protection: Nitril-rubber-latex-gloves.
In case of wearing synthetic protective gloves use cotton-gloves as underwear.
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-soaked cotton gloves (layer thickness approx. 0.15 mm)
For activities using products containing cement, suitable protective gloves have been identified (GISCODES ZP1). Suitable are, for example

Ampri: SolidSafety Cut 081101 / SolidSafety Tough 081201 / SolidSafetyTough Dots 081202

Ansell: Flexitрил L27 / Fleximax 27 or 35 / Hylite / Nitrotough N210 / Sol-Knit

KCL: Sahara / Gobi / Nitex

MAPA: Duo-Mix 405 / Enduro 328 / Stansolv AK 22 / Titanlite 397 / Titansuperlite

UVEX: uvex Profi Ergo XG 20 / uvex phynomic pro

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 exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**

Nitrile rubber, NBR

- **Not suitable are gloves made of the following materials:**

Leather gloves

Strong gloves

- **Eye/face protection**

Tightly sealed safety glasses.

Suitable safety goggles in accordance with DIN EN 166.

- **Body protection:** Protective work clothing.

- **Skin protection** Use greasy skin protection ointment for all uncovered parts of the body!

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state	Solid material.
· Colour:	grey
· Smell:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	>1,000 °C
· Boiling point or initial boiling point and boiling range	not apply
· Flammability	Not determined.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	Not applicable
· Decomposition temperature:	Not determined.
· pH at 20 °C	11.4 (1%)
· Viscosity:	
· Kinematic viscosity	Not applicable.
· dynamic:	Not applicable.
· Solubility	
· Water:	miscible
· Partition coefficient n-octanol/water (log value)	Not determined.
· Steam pressure:	Not applicable.
· Density and/or relative density	
· Density	bulk density
· Relative density	Not determined.
· Settled apparent density	1.2 kg/m ³
· Vapour density	Not applicable.

· 9.2 Other information

· Appearance:	
· Form:	Powder
· Important information on protection of health and environment, and on safety.	
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Product is not explosive.
· Change in condition	
· Evaporation rate	Not applicable.

· Information with regard to physical hazard classes

· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void

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· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

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 used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values that are relevant for classification:**

- calcium sulfoaluminate cement**
Dermal LD50 >2,000 mg/kg (rabbit)
- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye damage.
- **11.2 Information on other hazards**
- **Endocrine disrupting properties**

- None of the ingredients is listed.

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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

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SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

SECTION 14: Transport information

- | | |
|---|-----------------|
| · 14.1 UN number or ID number
· ADR, IMDG, IATA | Void |
| · 14.2 UN proper shipping name
· ADR, 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: | Not applicable. |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| · UN "Model Regulation": | Void |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Poisons Act**
- **Regulated explosives precursors**
None of the ingredients is listed.
- **Regulated poisons**
None of the ingredients is listed.
- **Reportable explosives precursors**
None of the ingredients is listed.
- **Reportable poisons**
None of the ingredients is listed.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.
- **New Zealand HSN0:** Construction Products (Subsidiary Hazard) Group Standard 2020 HSR; 002544

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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· Relevant phrases

H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

· Department issuing data specification sheet:

Department EHS (Environment-Health-Safety)
Environment protection department.

· Abbreviations and acronyms:

ADR: Accord relatif au transport international 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 Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· * Data compared to the previous version altered.

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