

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**

- **Trade name:** Suprotex® KGF

- **Article number:** 113180

- **Application of the substance / the preparation** Vulcanisation agent

- **Manufacturer/Supplier:**

Weserland GmbH

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www.weserland.eu

- **Further information obtainable from:**

Quality / environment department, Mr. Ehrle, email: ehrle@weserland.eu

- **Information in case of emergency:**

Due operating hours

Dept. Quality/Environment

Phon +49 511 97997-36

or Phon +49 511 97997-0

2 Hazards identification

- **Hazard description:**



Xi Irritant

N Dangerous for the environment

- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 43 May cause sensitisation by skin contact.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **Classification system:**

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








3 Composition/information on ingredients

- **Chemical characterization**

- **Description:**

Aqueous dispersion of zinc oxide, sulphur, anti-aging agent, vulcanisations accelerators and additives.

- **Dangerous components:**

CAS: 1314-13-2 EINECS: 215-222-5	zinc oxide  N; R 50/53	10-25%
CAS: 14324-55-1 EINECS: 238-270-9	zinc bis(diethylthiocarbamate)  Xn,  Xi,  N; R 22-36/37/38-43-50/53	2.5-10%
CAS: 155-04-4 EINECS: 205-840-3	zinc di(benzothiazol-2-yl) disulphide  Xi; R 43	2.5-10%
CAS: 149-30-4 EINECS: 205-736-8	benzothiazole-2-thiol  Xi,  N; R 43-50/53	≤ 2.5%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

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4 First aid measures

- **General information:** Take affected persons out of danger area. Remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air and to be sure call for a doctor.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Seek medical advice immediately show this material safety data sheet.

* 5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
May be released in case of fire:
harmful gases/vapours
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Being an aqueous system, product itself does not burn. Fire extinguishing measures to be adopted to ambient fire.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective clothing.
- **Measures for environmental protection:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7 Handling and storage

- **Handling:**
 - **Information for safe handling:** No special precautions are necessary if used correctly.
 - **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
 - **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
 - **Information about storage in one common storage facility:** Store away from foodstuffs.
 - **Further information about storage conditions:**
Store dry and cool, protect from frost.
+5 - +30°C
 - **Storage class:** Storage classification (VCI-D): 12 Non-combustible liquids.

* 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit 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.

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- **Additional information:**
Necessary only if the dust WEL/LLV-value is exceeded. If formation of dust (mist, aerosols) occurs, use proper filtering device.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
- **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Filter P1
- **Protection of hands:**



Protective gloves

- **Material of gloves**
Rubber gloves
(EN 374)
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**
Goggles recommended during refilling
Safety glasses
(EN 166)
- **Body protection:**
Protective work clothing
(EN 344)

9 Physical and chemical properties

· General Information

Form:	Liquid
Colour:	Yellowish
Odour:	Characteristic

· Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: ~ 100°C

· **Flash point:** Not applicable.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density at 20°C:** ~ 1.3 g/cm³

· Solubility in / Miscibility with water:

Fully miscible.

· **pH-value at 20°C:** 9.5 - 10.5

· Viscosity:

Dynamic at 20°C: 200 - 400 mPas

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· **Solvent content:**
Organic solvents: 0.0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

1314-13-2 zinc oxide

Oral	LD50	15000 mg/kg (rat)
Inhalative	4h-LC50	> 5.7 mg/l (rat)

14324-55-1 zinc bis(diethylthiocarbamate)

Oral	LD50	2450 mg/kg (rat)
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149-30-4 benzothiazole-2-thiol

Oral	LD50	100 mg/kg (rat)
Dermal	LD50	>7940 mg/kg (rabbit)

· **Primary irritant effect:**

· **on the skin:** No data available.

· **Sensitization:** Sensitization possible through skin contact.

· **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

· **Sensitisation** May cause sensitisation by skin contact.

12 Ecological information

· **Ecotoxicological effects:**

· **Acquatic toxicity:**

1314-13-2 zinc oxide

72h-EC50	0.17 mg/l (green algae (<i>Selenastrum capricornutum</i>))
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149-30-4 benzothiazole-2-thiol

96h-LC50 (static)	11 mg/l (fish (<i>Pimephales promelas</i>))
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· **Remark:** Toxic for fish

· **General notes:**

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Also poisonous for fish and plankton in water bodies.

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13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 9 Miscellaneous dangerous substances and articles.
- **Danger code (Kemler):** 90
- **UN-Number:** 3082
- **Packaging group:** III
- **Hazard label:** 9
- **Description of goods:** 3082 UMWELTGEFÄHRDENDER STOFF, FLÜSSIG, N.A.G. (Zinkoxid)

- **Maritime transport IMDG:**



- **IMDG Class:** 9
- **UN Number:** 3082
- **Label:** 9
- **Packaging group:** III
- **EMS Number:** F-A,S-F
- **Marine pollutant:** Yes
- **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc oxide)

- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 9
- **UN/ID Number:** 3082
- **Label:** 9
- **Packaging group:** III
- **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc oxide)

15 Regulatory information

- **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

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· Code letter and hazard designation of product:*Xi Irritant**N Dangerous for the environment***· Hazard-determining components of labelling:***zinc bis(diethyldithiocarbamate)**zinc di(benzothiazol-2-yl) disulphide***· Risk phrases:***43 May cause sensitisation by skin contact.**51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.***· Safety phrases:***36/37 Wear suitable protective clothing and gloves.**60 This material and its container must be disposed of as hazardous waste.***· National regulations:****· Breakdown regulations:***GERMAN ORDINANCE OF FAILURE**Annex I - No.: 9b**Threshold for operating range to § 1 sec. 1**- Record 1: 500000 kg**- Record 2: 2000000 kg**Scope: dangerous substances for the environment (risk phrases R 51/53).***16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant R-phrases*22 Harmful if swallowed.**36/37/38 Irritating to eyes, respiratory system and skin.**43 May cause sensitisation by skin contact.**50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.***· Department issuing MSDS: Quality / env. dept.****· Contact: Mr. Ehrle, email ehrle@weserland.eu****· * Data compared to the previous version altered.**

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