

1 Identification of substance

- **Product details**
- **Trade name:** Trebon Plus
- **Article number:** 2195
- **Application of the substance / the preparation**
Superconcentrated heavy-duty detergent for white and coloured textiles for application in hard and soft water at 30-60-90°C (86-140-194 °F). Phosphate-free and NTA free.
- **Manufacturer/Supplier:**
Chemische Fabrik Kreussler & Co. GmbH
Postfach 120454
D-65082 Wiesbaden
- **Information department:**
Abteilung TQM
Herr Vogel
+49 (0) 611 9271-175

2 Composition/Data on components

- **Chemical characterization**
- **Description:**
5-15% Non-ionic surfactants, >30 % Oxygen-based bleaching agent
<5% Phosphonates, polycarboxylates, anionic surfactants
Others: Silicates, optical brightener, TAED, fragrance, sodium carbonate, enzymes
UBA-No: 0532-1061

· **Dangerous components:**

13870-28-5	disodium disilicate Xi; R 41	15-30%
497-19-8	sodium carbonate Xi; R 36	15-30%
	sodium perborate Xi; R 36	15-30%
	Dinatriumcarbonat, Verbindung mit Hydrogen-peroxid (2:3) Xn, O; R 8-22-36/38	5.0-15%
	nonionic surfactants Xn, N; R 22-41-50	5.0-15%

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

3 Hazards identification

- **Hazard description:**
Xi Irritant
- **Information pertaining to particular dangers for man 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 36/38 Irritating to eyes and skin.
- **Classification system:**
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **NFPA ratings (scale 0 - 4)**
Health = 1
Fire = 0
Reactivity = 0
The substance possesses oxidizing properties.

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USA

Printing date 02/15/2005

Reviewed on 02/15/2005

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· HMIS-ratings (scale 0 - 4)

Health = 1
Fire = 0
Reactivity = 0

4 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.

· After skin contact: Rinse with warm water.**· After eye contact:**

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

· After swallowing: Immediately call a doctor.**5 Fire fighting measures****· Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· Protective equipment: No special measures required.**6 Accidental release measures****· Person-related safety precautions:** Not required.**· Measures for environmental protection:** Dilute with plenty of water.**· Measures for cleaning/collecting:** Dispose contaminated material as waste according to item 13.**7 Handling and storage****· Handling:****· Information for safe handling:** No special measures required.**· Information about protection against explosions and fires:** Protect from heat.**· Storage:****· Requirements to be met by storerooms and receptacles:** No special requirements.**· Information about storage in one common storage facility:** Not required.**· Further information about storage conditions:** Keep receptacle tightly sealed.**8 Exposure controls and personal protection****· Additional information about design of technical systems:** No further data; see item 7.**· Components 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.

· Additional information: The lists that were valid during the creation were used as basis.**· Personal protective equipment:****· General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· Breathing equipment: Not required.**· Protection of hands:** Not required.

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- **Material of gloves**
PVC or PE gloves
Recommended thickness of the material: ≥ 0.4 mm
- **For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory gloves made of the following material are suitable:**
PVC or PE gloves
- **Eye protection:** Not required.

9 Physical and chemical properties

· General Information

Form:	Powder
Color:	White
Odor:	Characteristic

· Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.

· Flash point:	Not applicable.
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· Auto igniting:	Product is not selfigniting.
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· Danger of explosion:	Product does not present an explosion hazard.
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· Density at 20°C (68°F):	0.8-0.9 g/cm ³
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· Solubility in / Miscibility with

Water:	Soluble.
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· pH-value (10 g/l) at 20°C (68°F):	10
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· Solvent content:

Organic solvents:	0.0 %
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10 Stability and reactivity

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

11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
Acute oral toxicity: >2000mg/kg (Rats)
calculated from data of constituent parts.
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

USA

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12 Ecological information

· General notes:

The surfactents including the product are biologically degradable to at least 90% (surfactant regulations of 4.6.86).
readily bio-degradable
On the basis of the raw materials data, including in the product, the following ecological data are to expected.

13 Disposal considerations

· Product:

· Recommendation: Dispose of in accordance with local, state, and federal Regulations.

· Uncleaned packagings:

· Recommendation: Disposal must be made according to official regulations.

· Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

· DOT regulations:

- **Hazard class:** -
- **Packing group:** -
- **Label** -

· Land transport ADR/RID (cross-border):

- **ADR/RID class:** -
- **Danger code (Kemler):** -
- **UN-Number:** -
- **Packaging group:** -

· Maritime transport IMDG:

- **IMDG Class:** -
- **UN Number:** -
- **Label** -
- **Packaging group:** -
- **EMS Number:** -
- **Marine pollutant:** No

· Air transport ICAO-TI and IATA-DGR:

- **ICAO/IATA Class:** -
- **UN/ID Number:** -
- **Label** -
- **Packaging group:** -

15 Regulations

· Sara

· Section 355 (extremely hazardous substances):

None of the ingredient is listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):

None of the ingredients is listed.

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- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity:**

None of the ingredients is listed.

- **Carcinogenity categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

- **MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

- **Canada WHMIS**

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the informations required by the CPR.

- **WHMIS Class** Not regulated under WHMIS

- **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

- **Hazard symbols:**

Xi Irritant

- **Risk phrases:**

36/38 Irritating to eyes and skin.

- **Safety phrases:**

24/25 Avoid contact with skin and eyes.

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.

- **Department issuing MSDS:**

Abteilung TQM

Herr Vogel

+49 (0) 611/9271-175

- **Contact:** Herr Vogel

- *** Data compared to the previous version altered.**