

1 Identification of substance

- **Product details**
- **Trade name:** Trebon Color
- **Article number:** 2243-AA-001
- **Application of the substance / the preparation**
Highly concentrated detergent for coloured textiles made of cotton and blended fabrics.
- **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.
Other ingredients: Sodium carbonate, phosphonates, citric acid, fragrance, silicates, enzymes, colour transfer inhibitors. UBA-Nr 0532-1053
TREBON COLOR does not contain zeolites, phosphates, optical brighteners, bleaching agents or set-up agents and is therefore particularly environmental-friendly.

- **Dangerous components:**

13870-28-5	disodium disilicate	Xi; R 41	≥30%
497-19-8	sodium carbonate	Xi; R 36	15-30%
68551-12-2	nonionic surfactants	Xn, N; R 22-41-50	1.0-5.0%
	Fattyalcoholethoxylate (Polymeric)	Xi; R 38	1.0-5.0%

- **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 41 Risk of serious damage to eyes.
- **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 = 2
Fire = 0
Reactivity = 0
- **HMIS-ratings (scale 0 - 4)**
Health = 2
Fire = 0
Reactivity = 0

4 First aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After skin contact:** Rinse with warm water.

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- **After eye contact:**
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Drink copious amounts of water and provide fresh air. 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:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:**
Use neutralizing agent.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Thorough dedusting.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Unsuitable material for receptacle: glass or ceramic.
Unsuitable material for receptacle: steel.
Unsuitable material for receptacle: aluminium.
- **Information about storage in one common storage facility:** Do not store together with acids.
- **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.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **Protection of hands:** Protective gloves
- **Material of gloves**
PVC or PE gloves
Recommended thickness of the material: ≥ 0.4 mm

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- **Eye protection:** Tightly sealed goggles

9 Physical and chemical properties

· General Information

Form:	Solid
Color:	White
Odor:	Characteristic

· Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

· **Flash point:** Not applicable.

· **Auto igniting:** Product is not selfigniting.

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

· **Density at 20°C (68°F):** 0.8 g/cm³

· **Solubility in / Miscibility with Water:** Partly miscible.

· **pH-value at 20°C (68°F):** 11

· 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 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:** No irritant effect.

· **on the eye:** Strong irritant with the danger of severe eye injury.

· **Sensitization:** No sensitizing effects known.

· Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

12 Ecological information

· General notes:

On the basis of the raw materials data, including in the product, the following ecological data are to expected.

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bio-degradable

The surfactents including the product are biologically degradable to at least 90% (surfactant regulations of 4.6.86).

13 Disposal considerations

- **Product:**
- **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.

14 Transport information

- **Land transport ADR/RID (cross-border):**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

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.

· **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.

· **Carcinogeny 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.

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· 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:

41 Risk of serious damage to eyes.

· Safety phrases:

24/25 Avoid contact with skin and eyes.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

39 Wear eye/face protection.

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

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