Safety Data Sheet
according to WHS Regulations

Printing date 07.11.2026 Version number 18 Revision: 07.11.2026

* 1 Identification

· **Product identifier**

· **Trade name: Trebon Color**

· **Article number:** 2243
· **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
· **Application of the substance / the mixture**
Highly concentrated detergent for coloured textiles made of cotton and blended fabrics.

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
· **Manufacturer**
Chemische Fabrik Kreussler & Co. GmbH
Rheingaustraße 87-93, D-65203 Wiesbaden
Tel. +49 (0) 611 9271-0
· **Supplier**
Spencer Systems
2/142 Riverstone Parade
Riverstone NSW 2765
Australia

· **Further information obtainable from:**
Spencer Systems
Daniel Hays
2/142 Riverstone Pde
Riverstone, NSW, 2765
Australia
· **Emergency telephone number:**
+61 (0) 2 9679 1244 (9am – 5pm AEDT)
Poisons information centre – 13 11 26 from anywhere in Australia

* 2 Hazard(s) Identification

· **Classification of the substance or mixture**
Skin Irrit. 2 H315 Causes skin irritation.
Eye Dam. 1 H318 Causes serious eye damage.

· **Label elements**
· **GHS label elements**
The product is classified and labelled according to the Globally Harmonised System (GHS).
· **Hazard pictograms**



GHS05

· **Signal word** Danger
· **Hazard statements**
Causes skin irritation.
Causes serious eye damage.
· **Precautionary statements**
Wear protective gloves / eye protection.
IF ON SKIN: Wash with plenty of water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Store in a dry place.

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Trade name: Trebon Color

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· **Other hazards**
The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

*
3 Composition and Information on Ingredients

· **Chemical characterisation: Mixtures**
· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

	perfumes Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irritation 2A, H319; Skin Sens. 1, H317; Flam. Liq. 4, H227	≤1%
13870-28-5	disodium disilicate Eye Dam. 1, H318	30-50%
497-19-8	sodium carbonate Eye Dam. 1, H318; STOT SE 3, H335	30-50%
157627-86-6	Alcohols C13-C15 branched and linear,ethoxylated Eye Dam. 1, H318; Acute Tox. 4, H302; Aquatic Chronic 3, H412	5-15%
10213-79-3	Disodium Metasilicate Met. Corr.1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318; STOT SE 3, H335	1-5%
29329-71-3	1-Hydroxyethane-1,1-diphosphonic acid, sodium salt Acute Tox. 4, H302; Eye Irritation 2A, H319	1-5%
120313-48-6	alcohols C12 – C15 ethoxylated, propoxylated Skin Irrit. 2, H315; Eye Irritation 2A, H319	1-5%

· **Ingredients according to detergent regulation EC 648/2004**

non-ionic surfactants	≥5 - <15%
phosphonates, perfumes, enzymes	<5%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First Aid Measures

· **Description of first aid measures**
· **General information:** Immediately remove any clothing soiled by the product.
· **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
· **After skin contact:**
Rinse with warm water.
If skin irritation continues, consult a doctor.
Immediately wash with water and soap and rinse thoroughly.
· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
· **After swallowing:** If symptoms persist consult doctor.
· **Information for doctor:**
· **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
· **Hazards** Danger of gastric perforation.
· **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire Fighting Measures

· **Extinguishing media**
· **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
· **Special hazards arising from the substance or mixture**
In case of fire, the following can be released:

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Carbon monoxide (CO)
· **Advice for firefighters**
· **Protective equipment:** Use normal protective clothing.
· **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental Release Measures

· **Personal precautions, protective equipment and emergency procedures**
Avoid formation of dust.
Wear protective equipment. Keep unprotected persons away.
· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
· **Methods and material for containment and cleaning up:** Pick up mechanically.
· **Reference to other sections**
No dangerous substances are released.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

* 7 Handling and Storage

· **Handling:**
· **Precautions for safe handling**
No special measures required.
Prevent formation of dust.
· **Information about fire - and explosion protection:** No special measures required.

· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Do not use light alloy receptacles.
Unsuitable material for receptacle: glass or ceramic.
Unsuitable material for receptacle: aluminium.
Suitable material for receptacles and pipes: Stainless steel.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:**
Store under lock and key and with access restricted to technical experts or their assistants only.
· **Storage class:** 13
· **Specific end use(s)** No further relevant information available.

* 8 Exposure controls and personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **Control parameters**
· **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.

· **DNELs**		
13870-28-5 disodium disilicate		
Oral	long term/systemic effects	1.59 mg/kg (general public)
Dermal	long term/systemic effects	159 mg/kg/Day (general public)
		318 mg/kg/Day (Workers)
Inhalative	long term/systemic effects	2.39 mg/m³ (general public)
		11.12 mg/m³ (Workers)
10213-79-3 Disodium Metasilicate		
Oral	long term/systemic effects	0.74 mg/kg (Consumers)

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Dermal	long term/systemic effects	0.74 mg/kg/Day (Consumers)
		1.49 mg/kg/Day (Workers)
Inhalative	long term/systemic effects	1.55 mg/m³ (Consumers)
		6.22 mg/m³ (Workers)
29329-71-3 1-Hydroxyethane-1,1-diphosphonic acid, sodium salt		
Oral	long term/systemic effects	6.5 mg/kg (Consumers)
		13 mg/kg (Workers)

· **PNECs**

13870-28-5 disodium disilicate	
Aqua	7.5 mg/l (Marine water)
	7.5 mg/l (freshwater)
Sediment	29.4 mg/kg (Marine water)
	29.4 mg/kg (freshwater)
10213-79-3 Disodium Metasilicate	
Aqua	1,000 mg/l (Sewage treatment plant)
	1 mg/l (Marine water)
	7.5 mg/l (Freshwater)
	7.5 mg/l (intermittent release)
29329-71-3 1-Hydroxyethane-1,1-diphosphonic acid, sodium salt	
Aqua	20 mg/l (Sewage treatment plant)
	0.0136 mg/l (Marine water)
	0.136 mg/l (Freshwater)
Sediment	96 mg/kg (Soil)
	5.9 mg/kg (Marine water)
	59 mg/kg (Freshwater)

· **Additional information:** The lists valid during the making were used as basis.

· **Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Do not eat, drink, smoke or sniff while working.
Keep away from foodstuffs, beverages and food.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the skin.
Avoid contact with the eyes and skin.
· **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.
· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· **Material of gloves**
PVC or PE gloves
Recommended thickness of the material: ≥ 0.4 mm
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

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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.

· **Not suitable are gloves made of the following materials:**
Leather gloves
Strong material gloves

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Protective work clothing

*
9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Powder
Colour:	White-blue powder
· **Odour:**	Characteristic
· **Odour threshold:**	Not determined.
· **pH-value at 20 °C:**	11 (1%)
· **Change in condition**	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined.
· **Flash point:**	Not applicable.
· **Flammability (solid, gas):**	Not determined.
· **Decomposition temperature:**	Not determined.
· **Auto-ignition temperature:**	Product is not selfigniting.
· **Explosive properties:**	Product does not present an explosion hazard.
· **Explosion limits:**	
Lower:	Not determined.
Upper:	Not determined.
· **Vapour pressure:**	Not applicable.
· **Density:**	Not determined.
· **Bulk density:**	830 kg/m³
· **Relative density**	Not determined.
· **Vapour density**	Not applicable.
· **Evaporation rate**	Not applicable.
· **Solubility in / Miscibility with water:**	Soluble.
· **Partition coefficient: n-octanol/water:**	Not determined.
· **Viscosity:**	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· **Solvent content:**	
Organic solvents:	0.0 %

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· **Other information** No further relevant information available.

* 10 Stability and Reactivity

· **Reactivity** No further relevant information available.
· **Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
No decomposition if used and stored according to specifications.
· **Possibility of hazardous reactions**
Reacts with water and acids.
Reacts with light alloys in the presence of moisture to form hydrogen.
· **Conditions to avoid** No further relevant information available.
· **Incompatible materials:** aluminum
· **Hazardous decomposition products:** Hydrogen

* 11 Toxicological Information

· **Information on toxicological effects**
· **Acute toxicity**

· **LD/LC50 values relevant for classification:**		
ATE (Acute Toxicity Estimates)		
Oral	LD-50	12,316 mg/kg (rat)

13870-28-5 disodium disilicate		
Oral	LD-50	2,507 mg/kg (rat) (OECD 401)
Inhalative	LC-50/4 h	>3,510 mg/l (rat)
497-19-8 sodium carbonate		
Oral	LD-50	2,800 mg/kg (rat)
Dermal	LD-50	>2,000 mg/kg (rabbit) (EPA 16 CFR 1500.40 (Studienreport 1978))
Inhalative	LC-50/2 h	2,300 mg/m³ (rat)
157627-86-6 Alcohols C13-C15 branched and linear,ethoxylated		
Oral	LD-50	1,150 mg/kg (rat)
10213-79-3 Disodium Metasilicate		
Oral	LD-50	1,152-1,349 mg/kg (rat)
29329-71-3 1-Hydroxyethane-1,1-diphosphonic acid, sodium salt		
Oral	LD-50	1,100 mg/kg (rat)
120313-48-6 alcohols C12 – C15 ethoxylated, propoxylated		
Oral	LD-50	>2,000 mg/kg (rat)

· **Primary irritant effect:**
· **Skin corrosion/irritation** Irritant to skin and mucous membranes.
· **Serious eye damage/irritation** Strong irritant with the danger of severe eye injury.
· **Respiratory or skin sensitisation** No sensitising effects known.
· **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

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* 12 Ecological Information

· **Toxicity**

· **Aquatic toxicity:**	
13870-28-5 disodium disilicate	
LC-50 48 h	491 mg/L (Daphnia magna)
EC-50 3 h	720 mg/l (Belebtschlamm)
EC-50 48h	491 mg/l (Daphnia magna) (OECD 202)
LC-50 96h	>500 mg/l (Brachydanio rerio)
NOEC (72 h)	18 mg/l (Scenedesmus subspicatus)
497-19-8 sodium carbonate	
EC-50 48h	200-227 mg/l (Ceriodaphnia sp.) (Mobilität)
	256 mg/l (Daphnia magna)
LC-50 96h	300 mg/l (Blauer Sonnenbarsch)
	740 mg/l (gam)
	300 mg/l (Lepomis macrochirus) (Wirkungsgrundlage: Sterblichkeit)
157627-86-6 Alcohols C13-C15 branched and linear,ethoxylated	
EC-10	>1,000 mg/L (Belebtschlamm)
EC-50 48h	1-10 mg/l (Daphnia magna) (Literaturangabe)
EC-50 72h	1-10 mg/l (Scenedesmus subspicatus) (Literaturangabe)
LC-50 96h	1-10 mg/l (Brachydanio rerio)
10213-79-3 Disodium Metasilicate	
EC-50 48h	1,700 mg/l (Daphnia magna)
29329-71-3 1-Hydroxyethane-1,1-diphosphonic acid, sodium salt	
EC-50 96h	>170 mg/l (Daphnia magna)
LC-50 96h	>100 mg/l (Oncorhynchus mykiss)
120313-48-6 alcohols C12 – C15 ethoxylated, propoxylated	
EC-50 48h	>1-10 mg/l (Daphnia magna)
LC-50 96h	1-10 mg/l (Leuciscus idus)

· **Persistence and degradability** No further relevant information available.
· **Other information:** The product is biodegradable.
· **Behaviour in environmental systems:**
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Additional ecological information:**
· **General notes:**
The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
Do not allow product to reach ground water, water course or sewage system.
The product may not be released into the environment without control.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**
· **Recommendation** Dispose of in accordance with Local, State, and Federal Regulations.

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· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.
· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

· **UN-Number**	
· **ADG, ADN, IMDG, IATA**	Void
· **UN proper shipping name**	
· **ADG, ADN, IMDG, IATA**	Void
· **Transport hazard class(es)**	
· **ADG, ADN, IMDG, IATA**	
· **Class**	Void
· **Packing group**	
· **ADG, IMDG, IATA**	Void
· **Environmental hazards:**	
· **Marine pollutant:**	No
· **Special precautions for user**	Not applicable.
· **Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable.
· **UN "Model Regulation":**	Void

* 15 Regulatory information

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

· **Australian Inventory of Industrial Chemicals**

All ingredients are listed.

· **Standard for the Uniform Scheduling of Medicines and Poisons**

10034-99-8	Magnesium Sulfate Heptahydrate	S3
106-24-1	geraniol	S6
5392-40-5	Citral	S5

· **GHS label elements**
The product is classified and labelled according to the Globally Harmonised System (GHS).
· **Hazard pictograms**



GHS05

· **Signal word** Danger
· **Hazard statements**
Causes skin irritation.
Causes serious eye damage.
· **Precautionary statements**
Wear protective gloves / eye protection.
IF ON SKIN: Wash with plenty of water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.

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Store in a dry place.

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

* 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.
The information of Items 4 through 8 and 10 through 12 partially refers not to the use and the proper application of the product (see Directions for Use/Product Information) but to the release of larger quantities in the case of accidents and irregularities.
The information exclusively describes the safety requirements of the product(s) and is based on the present state of our experience.
Non-ionic tensides can have varying characteristics and classifications despite same CAS-No.

· **Relevant phrases**
H227 Combustible liquid.
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
· **Contact:**
· **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
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)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 4: Flammable liquids – Category 4
Met. Corr.1: Corrosive to metals – Category 1
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
Skin Sens. 1: Skin sensitisation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
· *** Data compared to the previous version altered.**