

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/15/2020

Reviewed on 12/15/2020

* 1 Identification

- **Product identifier**
- **Trade name:** Prenett CS
- **Article number:** 2247
- **Application of the substance / the mixture**
Prebrushing agent for prespotting of heavily soiled textiles, to be used with cyclosiloxane D 5 solvent, hydrocarbon or Perc.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
- **Manufacturer:**
Chemische Fabrik Kreussler & Co. GmbH
Postfach 120454
D-65082 Wiesbaden
- **Supplier:**
Kreussler Inc., 6103 Johns Road Suit 7, Tampa, FL 33634,
Phone 813-884-1499, Fax 813-884-1599,
Internet: www.kreussler.com, e-mail: office-tampa@kreussler.com
- **Information department:**
Department T-PS
+49 (0) 611 9271-0
msds-tc@kreussler.com
- **Emergency telephone number:** +49 (0) 611 9271-0

* 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 labeled according to the Globally Harmonized 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.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 3
Fire = 0
Reactivity = 0

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· HMIS-ratings (scale 0 - 4)

HEALTH	*3	Health = *3
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

· 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/information on ingredients

· Chemical characterization: Mixtures

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:

64742-55-8	Distillates (petroleum), hydrotreated light paraffinic Asp. Tox. 1, H304	≥50%
120313-48-6	alcohols C12 – C15 ethoxylated, propoxylated Aquatic Acute 1, H400; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	5-15%
577-11-7	Sulfosuccinat-sodiumsalt Eye Dam. 1, H318; Skin Irrit. 2, H315	5-15%
157627-86-6	Aliphatic alcohol, C13-15, predominantlylinear, ethoxylated Aquatic Acute 1, H400; Eye Irrit. 2A, H319; Aquatic Chronic 3, H412	1-5%

· Additional information:

For the wording of the listed hazard phrases refer to section 16.

The mineral oils in the product contain <3% DMSO extract (IP 346).

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.

· 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 fighting measures that suit the environment.

· Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon monoxide (CO)

· Advice for firefighters

· **Protective equipment:** Use normal protective clothing.

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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

Wear protective equipment. Keep unprotected persons away.

Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

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.

Protective Action Criteria for Chemicals

PAC-1:

577-11-7	Sulfosuccinat-sodiumsalt	5.7 mg/m ³
57-55-6	Propylene glycol	30 mg/m ³
7631-90-5	sodium hydrogensulphite . . . %	15 mg/m ³

PAC-2:

577-11-7	Sulfosuccinat-sodiumsalt	63 mg/m ³
57-55-6	Propylene glycol	1,300 mg/m ³
7631-90-5	sodium hydrogensulphite . . . %	66 mg/m ³

PAC-3:

577-11-7	Sulfosuccinat-sodiumsalt	380 mg/m ³
57-55-6	Propylene glycol	7,900 mg/m ³
7631-90-5	sodium hydrogensulphite . . . %	400 mg/m ³

* 7 Handling and storage

Handling:

Precautions for safe handling

No special measures required.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

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: None.

Storage class: 12

Specific end use(s): No further relevant information available.

* 8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

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- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

57-55-6 Propylene glycol (1-5%)
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WEEL	Long-term value: 10 mg/m ³
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- **Additional information:** The lists that were valid during the creation 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 feed.

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.

- **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

- **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 checked prior to the application.

- **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.

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

Strong gloves

Leather 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:

Fluid

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· Color:	Colorless
· Odor:	Characteristic
· Odor threshold:	Not determined.
· pH-value at 20 °C (68 °F):	6.2
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
· Flash point:	Not applicable.
· Flammability (solid, gaseous):	Not applicable.
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not determined.
· Density at 20 °C (68 °F):	0.93 g/cm ³ (7.76 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Fully miscible.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic at 20 °C (68 °F):	73 mPas
Kinematic at 40 °C (104 °F):	42 mm ² /s
· Solvent content:	
Organic solvents:	0.0 %
VOC (US)	0.0 g/l / 0.00 lb/gl
· 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.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

* 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
ATE (Acute Toxicity Estimate)		
Oral	LD-50	>8,469 mg/kg (rat)

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Dermal	LD-50	>4,477 mg/kg
64742-55-8 Distillates (petroleum), hydrotreated light paraffinic		
Oral	LD-50	>5,000 mg/kg (rat)
Dermal	LD-50	>3,000 mg/kg (rabbit)
120313-48-6 alcohols C12 – C15 ethoxylated, propoxylated		
Oral	LD-50	>2,000 mg/kg (rat)
577-11-7 Sulfosuccinat-sodiumsalt		
Oral	LD-50	3,000 mg/kg (rat) (OECD 401)
Dermal	LD-50	>10,000 mg/kg (rabbit) (OECD 402)
157627-86-6 Aliphatic alcohol, C13-15, predominantlylinear, ethoxylated		
Oral	LD-50	>5,000 mg/kg (rat)
Dermal	LD-50	>2,000 mg/kg (rat) (OECD 402)

- **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.
- **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

- **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)		
7631-90-5	sodium hydrogensulphite . . . %	3
· NTP (National Toxicology Program)		
None of the ingredients is listed.		
· OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		

* 12 Ecological information

- **Toxicity**

· Aquatic toxicity:	
120313-48-6 alcohols C12 – C15 ethoxylated, propoxylated	
EC-10 72h	0.1-1 mg/l (Scenedesmus subspicatus) (OECD 201)
EC-50 48h	1 mg/l (Daphnia magna) (OECD 202)
EC-50 72h	0.1-1 mg/l (Scenedesmus subspicatus) (OECD 201)
LC-50 96h	1-10 mg/l (Leuciscus idus)
NOEC 21 d	0.1-1 mg/l (Daphnia magna)
577-11-7 Sulfosuccinat-sodiumsalt	
EC-10 16 h (static)	122 mg/L (Pseudomonas putida)
EC-50 16h (static)	164 mg/l (Pseudomonas putida)
EC-50 48h	6.6 mg/l (Daphnia magna)
LC-50 96h	49 mg/l (Brachydanio rerio)
NOEC (56 d)	>104 mg/kg (Eisenia fetida) (OECD 222)
ErC-50 72h	82.5 mg/l (Desmodesmus subspicatus)
157627-86-6 Aliphatic alcohol, C13-15, predominantlylinear, ethoxylated	
EC-10 16 h	>10,000 mg/L (Pseudomonas putida)
EC-50 48h	0.1-1 mg/l (aquatische Invertebraten)
EC-50 72h	0.1-1 mg/l (Scenedesmus subspicatus)

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LC-50 96h 1-10 mg/l (Brachydanio rerio)

- **Persistence and degradability** No further relevant information available.
- **Other information:** The product is biodegradable.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Very toxic for fish
- **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.
Also poisonous for fish and plankton in water bodies.
The product may not be released into the environment without control.
Very toxic for aquatic organisms
- **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.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

* 14 Transport information

· UN-Number	
· DOT, ADR, ADN, IMDG, IATA	Void
· UN proper shipping name	
· DOT, ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es)	
· DOT, ADR, ADN, IMDG, IATA	
· Class	Void
· Packing group	
· DOT, ADR, IMDG, IATA	Void
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	Void

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* 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.

- **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):**

All components have the value ACTIVE.

- **Hazardous Air Pollutants**

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 for females:**

None of the ingredients is listed.

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

None of the ingredients is listed.

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

None of the ingredients is listed.

- **New Jersey Right-to-Know List:**

57-55-6 Propylene glycol

7631-90-5 sodium hydrogensulphite . . . %

- **Pennsylvania Right-to-Know List:**

57-55-6 Propylene glycol

7631-90-5 sodium hydrogensulphite . . . %

- **Carcinogenicity categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

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

7631-90-5 sodium hydrogensulphite . . . %

A4

- **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.

- **Canadien Substances Listings:**

- **Canadien Domestic Substances List (DSL):**

All ingredients are listed.

- **Canadien Ingredient disclosure list (limit 0.1%)**

All ingredients are listed.

- **Canadien Ingredient disclosure list (limit 1%)**

577-11-7 Sulfosuccinat-sodiumsalt

57-55-6 Propylene glycol

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

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· 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.

· 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.

· Department issuing SDS:

Department T-PS

Herr Heiko Schmidt

+49 (0) 611/9271-0

· Contact: Herr Heiko Schmidt

· Date of preparation / last revision 12/15/2020 / 8

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· * Data compared to the previous version altered.