



Concentrated drycleaning detergent with highly active odour absorber, neutral scent, excellent antistatic characteristics and comfort retexturing properties.

For use in Perc and hydrocarbon.

Characteristics

- The highly active odour absorption characteristics of CLIP COMFORT ensure the neutral, fresh scent of the cleaned textiles
- The odour absorbing characteristics of CLIP COMFORT are so dominant that even intensive mal odours such as smoke or body odours are removed completely
- Therefore, CLIP COMFORT is also suitable for treating outerwear from nursing homes and for regenerating textiles after water or fire damage
- Fibre-protecting retexturing and reliable antistatic properties reduce finishing expenditure, and the wear comfort of the cleaned clothing is improved effectively
- CLIP COMFORT prevents lint deposits and clogging in the cleaning machine so that the drying process is optimized
- CLIP COMFORT does not contain VOC; the distillation residue remains liquid and pumpable

Chemical-physical data

Appearance:	clear, amber liquid
Density:	0,92 g/ml 20 °C (68° F)
Viscosity:	50 - 100 mPas, 20 °C (68° F)
pH value:	7.0 - 8.0
Flash point:	>100 °C (212° F)
Solubility:	soluble on perchloroethylene, hydrocarbon
Low-temperature behaviour:	turbidity point < 0 °C (32° F)

Application

Base Concentration:

2-3 ml CLIP COMFORT per litre
(0.26 – 0.38 oz CLIP COMFORT / gal)
solvent and filter

Topping-up:

Two-bath procedure

(1st bath for distillation)
Dosage into 2nd bath → 75ml CLIP COMFORT per 10 kg (2.5 oz CLIP COMFORT per 22 lb) machine capacity.

Single-bath procedure

50 ml CLIP COMFORT per 10 kg (1.7 oz CLIP COMFORT per 22 lb) machine capacity at beginning of batch.

Prespotting:

In Perc → PRENETT MAX and PRENETT CS;

In hydrocarbon: PRENETT PUR and PRENETT CS.

For further information, please refer to the technical data sheets of our prespotting product range.

Advice:

In case of non-colourfast dyes which might occur on textiles made of viscose, silk, cotton, linen, micro fibres, acetate in principle is a risk of local colour change or loss.

In case of doubt, do not prespot.

Use and Storage

When stored in a sealed container, CLIP COMFORT has a minimal shelf life of 12 months.

Even though the product is indifferent to frost, it may become viscous at low temperatures.

To ensure correct dosage, allow CLIP COMFORT to reach a temperature of +15°C (59°F) before use.

All the details given are correct to the best of our knowledge. They must be adjusted to suit operating conditions. We accept no liability in respect of this information.

kreussler

*Competent and efficient
in textile chemistry and hygiene*

* SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Clip Comfort
- **Article number:** 2261
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture**
Concentrated drycleaning detergent with highly active odour absorber, neutral scent, excellent antistatic characteristics and comfort retexturing properties in textile cleaning. For use in Perc and hydrocarbon.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Chemische Fabrik Kreussler & Co. GmbH
Postfach 120454
D-65082 Wiesbaden
- **Further information obtainable from:**
Department T-PS
+49 (0) 611 9271-0
msds-tc@kreussler.com
- **1.4 Emergency telephone number:** +49 (0) 611 9271-0

* SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Skin Irrit. 2 H315 Causes skin irritation.
Eye Dam. 1 H318 Causes serious eye damage.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05

- **Signal word** Danger
- **Hazard statements**
H315 Causes skin irritation.
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
- **Additional information:**
Contains perfume, 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
- **2.3 Other hazards**
The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.

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Trade name: Clip Comfort

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- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

* SECTION 3: Composition/information on ingredients

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

- **Dangerous components:**

	perfumes Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	≤1%
CAS: 64742-55-8 EINECS: 265-158-7	Distillates (petroleum), hydrotreated light paraffinic Asp. Tox. 1, H304	15-30%
CAS: 68603-38-3 EINECS: 271-653-9	Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl) Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319	5-15%
CAS: 1322-98-1	Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide Eye Dam. 1, H318; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	5-15%
CAS: 68891-38-3 NLP: 500-234-8	Alcohols, C12-14, ethoxylated, sulfates, sodium salts Eye Dam. 1, H318; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	5-15%
CAS: 69227-21-0 NLP: 500-242-1	alcohols C12 – C18 ethoxylated, propoxylated Skin Irrit. 2, H315	1-5%
CAS: 69011-36-5 NLP: 500-241-6	alcohols C13 branched, ethoxylated Eye Dam. 1, H318; Acute Tox. 4, H302	1-5%
CAS: 61789-77-3 EINECS: 263-087-6	Dicocoalkyldimethyl, chlorides Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H302	1-5%
CAS: 3811-73-2 EINECS: 223-296-5	pyridine-2-thiol 1-oxide, sodium salt Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 2, H411; Acute Tox. 4, H302; Acute Tox. 4, H332	≤0.1%

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

non-ionic surfactants	≥15 - <30%
anionic surfactants	≥5 - <15%
cationic surfactants, perfumes, preservation agents (pyridine-2-thiol 1-oxide, sodium salt, BENZISOTHIAZOLINONE)	<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).

* SECTION 4: First aid measures

- **4.1 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.
Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.

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Trade name: Clip Comfort

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- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

* SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** Product itself does not burn.
- **5.3 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.

* SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **6.2 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.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- **6.4 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.

* SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
No special measures required.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 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
- **7.3 Specific end use(s)** No further relevant information available.

* SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 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

68603-38-3 Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl)

Oral	long term/systemic effects	6.25 mg/kg (Consumers)
Dermal	long term/systemic effects	2.5 mg/kg/Day (Consumers)

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Inhalative	long term/systemic effects	4.16 mg/kg/Day (Workers) 21.73 mg/m ³ (Consumers) 73.44 mg/m ³ (Workers)
68891-38-3 Alcohols, C12-14, ethoxylated, sulfates, sodium salts		
Oral	long term/systemic effects	15 mg/kg (Consumers)
Dermal	long term/systemic effects	1,650 mg/kg (Consumers) 2,750 mg/kg (Workers)
Inhalative	long term/systemic effects	52 mg/m ³ (Consumers) 175 mg/m ³ (Workers)
61789-77-3 Dicocoalkyldimethyl, chlorides		
Oral	long term/systemic effects	2.3 mg/kg (Consumers)
Dermal	long term/systemic effects	7.65 mg/kg/Day (Consumers) 12.75 mg/kg/Day (Workers)
Inhalative	long term/systemic effects	8 mg/m ³ (Consumers) 27 mg/m ³ (Workers)
· PNECs		
68603-38-3 Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl)		
Aqua		830 mg/l (Sewage treatment plant) 0.0007 mg/l (Marine water) 0.007 mg/l (freshwater)
Boden		0.0998 mg/kg dw (Soil) 0.2111 mg/kg dw (Marine water)
68891-38-3 Alcohols, C12-14, ethoxylated, sulfates, sodium salts		
Aqua		0.024 mg/l (Marine water) 0.24 mg/l (freshwater)
Sediment		0.545 mg/kg (Marine water) 5.45 mg/kg (freshwater)
Sewage treatment plant		10,000 mg/L (Sewage treatment plant)
Boden		0.946 mg/kg dw (Soil)
61789-77-3 Dicocoalkyldimethyl, chlorides		
Aqua		1.2 mg/l (Sewage treatment plant) 0.0013 mg/l (Marine water) 0.013 mg/l (freshwater)
Sediment		7 mg/kg (Soil) 0.88 mg/kg (Marine water) 8.8 mg/kg (freshwater)

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

· **8.2 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.

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· **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:**

Leather gloves

Strong material gloves

· **Eye protection:**

Tightly sealed goggles

· **Body protection:** Protective work clothing* **SECTION 9: Physical and chemical properties**· **9.1 Information on basic physical and chemical properties**· **General Information**· **Appearance:****Form:**

Liquid

Colour:

Light yellow

· **Odour:**

Characteristic

· **Odour threshold:**

Not determined.

· **pH-value at 20 °C:**

7.1

· **Change in condition****Melting point/freezing point:**

Undetermined.

Initial boiling point and boiling range: Undetermined.· **Flash point:**

Not applicable.

· **Flammability (solid, gas):**

Not applicable.

· **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 determined.

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· Density at 20 °C:	1.01 g/cm ³
· Relative density	Not determined.
· Vapour 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:	112 mPas
Kinematic at 40 °C:	49 mm ² /s
· Solvent content:	
Organic solvents:	0.2 %
· 9.2 Other information	No further relevant information available.

* SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

* SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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

ATE (Acute Toxicity Estimates)

Oral	LD-50	6,006-22,870 mg/kg (rat)
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64742-55-8 Distillates (petroleum), hydrotreated light paraffinic

Oral	LD-50	>5,000 mg/kg (rat)
Dermal	LD-50	>3,000 mg/kg (rabbit)

1322-98-1 Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide

Oral	LD-50	2,000-5,000 mg/kg (rat) (OECD 401)
Dermal	LD-50	>2,000 mg/kg (rat) (OECD 402)

68891-38-3 Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Oral	LD-50	4,100 mg/kg (rat)
Dermal	LD-50	>2,000 mg/kg (rat)

69227-21-0 alcohols C12 – C18 ethoxylated, propoxylated

Oral	LD-50	>2,000 mg/kg (rat)
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69011-36-5 alcohols C13 branched, ethoxylated

Oral	LD-50	500-2,000 mg/kg (rat)
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61789-77-3 Dicocoalkyldimethyl, chlorides

Oral	LD-50	300-2,000 mg/kg (rat) (OECD-Prüfrichtlinie 401)
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- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

* SECTION 12: Ecological information

· 12.1 Toxicity

· **Aquatic toxicity:**

1322-98-1 Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide

EC-50 17 h	63 mg/L (<i>Pseudomonas putida</i>) (Zellvermehrungshemmtest; ISO 10712)
EC-50 48h	>1-10 mg/l (<i>Daphnia magna</i>) (OECD 202, Teil 1)
EC-50 72h	>10-100 mg/l (<i>Desmodesmus subspicatus</i>) (OECD 201)
LC-50 96h	>1-10 mg/l (<i>Cyprinus carpio</i>) (OECD 203; ISO 7346; 92/69/EWG, C.1)
NOEC 21 d	>1-10 mg/l (<i>Daphnia magna</i>) (OECD 211)
NOEC (72 d)	>0.1-1 mg/L (<i>Oncorhynchus mykiss</i>) (Durchflusstest)

68891-38-3 Alcohols, C12-14, ethoxylated, sulfates, sodium salts

EC-50 16h	>10,000 mg/l (<i>Pseudomonas putida</i>) (DIN 38412 T8)
EC-50 48h	7.4 mg/l (<i>Daphnia magna</i>) (OECD 202)
EC-50 72h	27.7 mg/l (<i>Desmodesmus subspicatus</i>) (OECD 201)
LC-50 96h	7.1 mg/l (<i>Brachydanio rerio</i>) (OECD 203)

69227-21-0 alcohols C12 – C18 ethoxylated, propoxylated

LC-50 96h	1-10 mg/l (<i>Leuciscus idus</i>)
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69011-36-5 alcohols C13 branched, ethoxylated

LC-50 96h	1-10 mg/l (<i>Leuciscus idus</i>)
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61789-77-3 Dicocoalkyldimethyl, chlorides

LC-50 48 h	>0.1-1 mg/L (<i>Acartia Tonsa</i>)
EC-50 3 h	>10-100 mg/l (<i>Belebschlamm</i>)
EC-50 72h	>0.1-1 mg/l (<i>Pseudokirchneriella subcapitata</i>) (OECD-Prüfrichtlinie 201)
LC-50 96h	>0.1-1 mg/l (<i>Brachydanio rerio</i>) (OECD-Prüfrichtlinie 203)

3811-73-2 pyridine-2-thiol 1-oxide, sodium salt

EC-50 48h	0.022 mg/l (<i>Daphnia magna</i>) (OECD 202)
EC-50 96h	0.00767 mg/l (<i>Oncorhynchus mykiss</i>) (OECD 203)
EC-50 72h	0.46 mg/l (<i>Selenastrum capricornutum</i>) (OECD 201)
NOEC (72 h)	0.08 mg/l (<i>Selenastrum capricornutum</i>) (OECD 201)

- **12.2 Persistence and degradability** No further relevant information available.
- **Other information:** The product is biodegradable.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish

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· **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.

Harmful to aquatic organisms

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

* **SECTION 13: Disposal considerations**· **13.1 Waste treatment methods**

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

· **Uncleaned packaging:**

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

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

* **SECTION 14: Transport information**

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

* **SECTION 15: Regulatory information**· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **National regulations:**

· **Technical instructions (air):**

Class	Share in %
NK	≤1

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Trade name: Clip Comfort

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- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

* SECTION 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**

H302 Harmful if swallowed.
 H304 May be fatal if swallowed and enters airways.
 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.
 H332 Harmful if inhaled.
 H400 Very toxic to aquatic life.
 H411 Toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.

- **Department issuing SDS:**

Department T-PS
 Herr Heiko Schmidt
 +49 (0) 611/9271-0

- **Contact:** Herr Heiko Schmidt

- **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
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 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
 Acute Tox. 4: Acute toxicity - oral – 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 Irrit. 2: Serious eye damage/eye irritation – Category 2
 Skin Sens. 1: Skin sensitisation – Category 1
 Asp. Tox. 1: Aspiration hazard – Category 1
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
 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.**



Made in Germany

Gebinde nur restentleert zur Entsorgung geben.
Put only empty containers into the disposal.

Ingredients according to detergent regulation EC 648/2004:

< 5 % non-ionic surfactants, 5 – 15 % anionic surfactants,
< 5 % cationic surfactants, perfumes, pyridine-2-thiol 1-oxide, sodium salt,
BENZISOTHIAZOLINONE



kreussler
TEXTILE CARE

Chemische Fabrik Kreussler & Co. GmbH
Rheingaustraße 87-93, D-65203 Wiesbaden
Tel. +49 (0) 611 9271-0, Telefax +49 (0) 611 9271-111
www.kreussler-chemie.com

(de) Reinigungsverstärker-Konzentrat mit hochaktivem Geruchabsorber, neutralem Duft, hervorragender Antistatik und Komfortappretur für die Textilreinigung. Einsatz in Per und KWL. **Signalwort: Gefahr.** Verursacht schwere Augenschäden. Verursacht Hautreizungen. Schädlich für Wasserorganismen, mit langfristiger Wirkung. Schutzhandschuhe/Augenschutz tragen. Freisetzung in die Umwelt vermeiden. BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser spülen. Eventuell vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter spülen. Bei Hautreizung: Ärztlichen Rat einholen/ärztliche Hilfe hinzuziehen. Bei anhaltender Augenreizung: Ärztlichen Rat einholen/ärztliche Hilfe hinzuziehen. BEI BERÜHRUNG MIT DER HAUT: Mit viel Wasser waschen. Enthält 1,2-Benzisothiazol-3(2H)-on, 2-Methyl-2H-isothiazol-3-on, Parfümö. Kann allergische Reaktionen hervorrufen.

(en) Concentrated drycleaning detergent with highly active odour absorber, neutral scent, excellent antistatic characteristics and comfort retexturing properties in textile cleaning. For use in Perc and hydrocarbon. **Signal word: Danger.** Causes serious eye damage. Causes skin irritation. Harmful to aquatic life with long lasting effects. Wear protective gloves/eye protection. Avoid release to the environment. 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. IF ON SKIN: Wash with plenty of water. Contains 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one, perfume. May produce an allergic reaction.

(fr) Renforceur de nettoyage concentré à adsorbant, au parfum neutre, hautement actif, à excellents effets antistatiques et avec apprêt de confort pour le nettoyage de textiles Utilisation en perchlorethylène et en solvants d'hydrocarbures. **Mention d'avertissement: Danger.** Provoque des lésions oculaires graves. Provoque une irritation cutanée. Nocif pour les organismes aquatiques, entraîne des effets néfastes à long terme. Porter des gants de protection/ un équipement de protection des yeux. Éviter le rejet dans l'environnement. EN CAS DE CONTACT AVEC LES YEUX: rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer. En cas d'irritation cutanée: consulter un médecin. Si l'irritation oculaire persiste: consulter un médecin. EN CAS DE CONTACT AVEC LA PEAU: Laver abondamment à l'eau. Contient 1,2-benzisothiazol-3(2H)-one, 2-méthyl-2H-isothiazole-3-one, perfume. Peut produire une réaction allergique.

(it) Rafforzatore di pulitura concentrato con assorbitore di odori, profumo neutro, azione antistatica eccellente e apprêt comfort. Formulato per l'impiego in percloroetilene e in solventi a base di idrocarburi. **Avvertenza: Pericolo.** Provoca gravi lesioni oculari. Provoca irritazione cutanea. Nocivo per gli organismi acquatici con effetti di lunga durata. Indossare guanti di protezione/occhiali di protezione. Non disperdere nell'ambiente. IN CASO DI CONTATTO CON GLI OCCHI: sciacquare accuratamente per parecchi minuti. Togliere le eventuali lenti a contatto se è agevole farlo. Continuare a sciacquare. In caso di irritazione della pelle: consultare un medico. Se l'irritazione degli occhi persiste, consultare un medico.

IN CASO DI CONTATTO CON LA PELLE: Lavare abbondantemente con acqua. Contiene 1,2-benzisotiazol-3(2H)-one, 2-metil-2H-isotiazol-3-one, perfume. Può provocare una reazione allergica.

(es) Reforzador de limpieza concentrado con absorbente de olores, aroma neutro, excelentes efectos antiestáticos, efectos bactericidas y apresto con confort. Utilización en percloroetileno y disolventes de hidrocarburos. **Palabra de advertencia: Peligro.** Provoca lesiones oculares graves. Provoca irritación cutánea. Nocivo para los organismos acuáticos, con efectos nocivos duraderos. Llevar guantes de protección/gafas de protección. Evitar su liberación al medio ambiente. EN CASO DE CONTACTO CON LOS OJOS: Aclarar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando. En caso de irritación cutánea: Consultar a un médico. Si persiste la irritación ocular: Consultar a un médico. EN CASO DE CONTACTO CON LA PIEL: Lavar con abundante agua. Contiene 1,2-bencisotiazol-3(2H)-ona, 2-metil-2H-isotiazol-3-ona, perfume. Puede provocar una reacción alérgica.

(nl) Reinigingsverstärker-concentraat met geurabsorbeerder, neutrale geur, uitstekend antistaticum en comfortappret. Toepassing in perchloorethyleen en KW. **Signaalwoord: Gevaar.** Veroorzaakt ernstig oogletsel. Veroorzaakt huidirritatie. Schadelijk voor in het water levende organismen, met langdurige gevolgen. Beschermende handschoenen/oogbescherming dragen. Voorkom lozing in het milieu. BIJ CONTACT MET DE OGEN: voorzichtig afspelen met water gedurende een aantal minuten; contactlenzen verwijderen, indien mogelijk; blijven spoelen. Bij huidirritatie: een arts raadplegen. Bij aanhoudende oogirritatie: een arts raadplegen. BIJ CONTACT MET DE HUID: Met veel water wassen. Bevat 1,2-benzisothiazool-3(2H)-on, 2-methyl-2H-isothiazool-3-on, perfume. Kan een allergische reactie veroorzaken.

(sv) Tvättförstärkare-koncentrat med luktabsorberare, neutral doft, utmärkt antistatiskt, baktericid och komfort-appreterande effekt. Användes i perkloretylen och KWL. **Signalord: Fara.** Orsakar allvarliga ögonskador. Irriterar huden. Skadliga långtidseffekter för vattenlevande organismer. Använd skyddshandskar/ögonskydd. Undvik utsläpp till miljön. VID KONTAKT MED ÖGONEN: Skölj försiktigt med vatten i flera minuter. Ta ur eventuella kontaktlinser om det går lätt. Fortsätt att skölja. Vid hudirritation: Sök läkarhjälp. Vid bestående ögonirritation: Sök läkarhjälp. VID HUDKONTAKT: Tvätta med mycket vatten. Innehåller 1,2-benzisotiazol-3(2H)-on, metylisotiazolinon, perfume. Kan orsaka en allergisk reaktion.

(ru) Концентрат активного наполнителя с поглотителем запаха, нейтральным ароматом, первоклассным антистатиком и аппретурой для повышения комфорта при чистке текстиля. Наполнитель для перхлорэтилена и KWL. **Сигнальное слово: Опасно.** Вызывает серьезные повреждения глаз. Вызывает раздражение кожи. Вредно для водных организмов с долгосрочными последствиями. Надеть защитные перчатки (рукавицы) / защитные очки. Не допускать попадания в окружающую среду. ПРИ ПОПАДАНИИ В ГЛАЗА:

Осторожно промыть глаза водой в течение нескольких минут. Снять контактные линзы, если вы пользуетесь ими и если это легко сделать. Продолжить промывание глаз. При раздражении кожи: обратиться к врачу. Если раздражение глаз продолжается: обратиться к врачу. ПРИ ПОПАДАНИИ НА КОЖУ: Промыть большим количеством воды. Содержит 1,2-бензотиазол-3(2H)-он, 2-метил-2H-изотиазол-3-он, отдушка. Может вызывать аллергические реакции.

(pl) Skoncentrowany preparat do czyszczenia chemicznego. Posiadający silne właściwości antystatyczne, czyszczące, apreturujące oraz adsorbujące przykrye zapachy. Do użycia w czterochloroetylenie oraz hydrokarbonie. **Hasło ostrzegawcze: Niebezpieczeństwo.** Powoduje poważne uszkodzenie oczu. Działa drażniaco na skórę. Działa szkodliwie na organizmy wodne, powodując długotrwałe skutki. Stosować rękawice ochronne/ochronę oczu. Unikać uwolnienia do środowiska. W PRZYPADKU DOSTANIA SIĘ DO OCZU: Ostrożnie płukać wodą przez kilka minut. Wyjąć soczewki kontaktowe, jeżeli są i można je łatwo usunąć. Nadal płukać. W przypadku wystąpienia podrażnienia skóry: Zasięgnąć porady/zgłosić się pod opiekę lekarza. W przypadku utrzymywania się działania drażniącego na oczy: Zasięgnąć porady/zgłosić się pod opiekę lekarza. W PRZYPADKU KONTAKTU ZE SKÓRĄ: Umyć dużą ilością wody. Zawiera 1,2-benzotiazol-3(2H)-on, metylisotiazolinone, kompozycja zapachowa. Może powodować wystąpienie reakcji alergicznej.

