

1 Identification of substance

- **Product details**
- **Trade name:** Clip Conc Asept
- **Article number:** 2129
- **Application of the substance / the preparation**
Highly concentrated drycleaning product for hygienic cleaning, retexturing, and antistatic finishing in textile cleaning. For use in Perc and hydrocarbon.
- **Manufacturer/Supplier:**
Chemische Fabrik Kreussler & Co. GmbH
Postfach 120454
D-65082 Wiesbaden
- **Information department:**
Abteilung TQM
Herr Vogel
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- **Emergency information:** +49 (0) 611 9271-0

2 Composition/Data on components

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:

	perfumes Xi, N; R 43-51/53	≤1 %
69011-36-5	alcohols C13 branched, ethoxylated Xn, Xi; R 22-36/38	5.0-15%
112-34-5	2-(2-butoxyethoxy)ethanol Xi; R 36	5.0-15%
61789-77-3	Quaternary ammonium compounds, dicocoalkyldimethyl, chlorides C, Xn, N; R 22-34-50/53-67	5.0-15%
157627-86-6	Aliphatic alcohol, C13-15, predominantly linear, ethoxylated Xi, N; R 41-50	5.0-15%
26027-37-2	Oleic acid Monoethanolamid, ethoxylated Xi; R 38	5.0-15%
68425-47-8	Soyafattyacid-diethanolamide Xi; R 38-41	5.0-15%
63449-41-2	quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides C, Xn, N; R 21/22-34-50	1.0-5.0%
27083-27-8	Poly (1-hexamethylenebiguanide) hydrochloride Xn, Xi, N; R 22-38-41-43-50/53	≤1%

· Ingredients according to detergent regulation EC 648/2004

Aromatic hydrocarbons, non-ionic surfactants	15 - 30%
cationic surfactants	5 - 15%
perfumes	< 5%

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

3 Hazards identification

- **Hazard description:**
Xi Irritant
N Dangerous for the environment

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- **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 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **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

- **After inhalation:**

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:**

Rinse with warm water.

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.

* 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:**

Do not allow product to reach sewage system or any water course.

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.

- **Measures for cleaning/collecting:**

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

* 7 Handling and storage

- **Handling:**

- **Information for safe handling:** No special measures required.

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

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

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
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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **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:**



Tightly sealed goggles

9 Physical and chemical properties

· **General Information**

Form: Fluid

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Color:	Yellow
Odor:	Characteristic
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
· Flash point:	90°C (194°F)
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Density at 20°C (68°F):	0.97 g/cm ³
· Solubility in / Miscibility with Water:	Fully miscible.
· pH-value at 20°C (68°F):	7.9
· Viscosity:	
Dynamic at 20°C (68°F):	125 mPas
· Solvent content:	
Organic solvents:	8.5 %

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:** 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

12 Ecological information

- **Information about elimination (persistence and degradability):**
- **Other information:** The product is biodegradable.
- **Ecotoxicological effects:**

· Aquatic toxicity:

27083-27-8 Poly (1-hexamethylenebiguanide) hydrochloride

EC-50 48h	0.18-0.45 mg/l (Daphnia magna)
LC-50 96h	0.65-0.9 mg/l (Blauer Sonnenbarsch)
	<1 mg/l (Regenbogenforelle)

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- **Remark:** Toxic for fish
- **General notes:**
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
The product may not be released into the environment without control.
Toxic for aquatic organisms

13 Disposal considerations

- **Product:**
- **Recommendation:**
Dispose of in accordance with local, state, and federal Regulations.
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.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- **DOT regulations:**
- **Hazard class:** 9
- **Identification number:** UN3082
- **Packing group:** III
- **Proper shipping name (technical name):** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quaternary ammonium compounds)
- **Label:** 9
- **Land transport ADR/RID (cross-border):**
- **ADR/RID class:** 9 Miscellaneous dangerous substances and articles
- **Danger code (Kemler):** 90
- **UN-Number:** 3082
- **Packaging group:** III
- **Description of goods:** 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quaternary ammonium compounds, dicocoalkyldimethyl, chlorides)
- **Maritime transport IMDG:**
- **IMDG Class:** 9
- **UN Number:** 3082
- **Label:** 9
- **Packaging group:** III
- **Marine pollutant:** No
- **Propper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quaternary ammonium compounds)
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** 9
- **UN/ID Number:** 3082
- **Label:** 9
- **Packaging group:** III

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· **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quaternary ammonium compounds)

15 Regulations

· **Sara**

· **Section 355 (extremely hazardous substances):**

50-00-0 formaldehyde

· **Section 313 (Specific toxic chemical listings):**

107-21-1 ethanediol

50-00-0 formaldehyde

· **TSCA (Toxic Substances Control Act):**

85117-41-5 Polyalkylat

69011-36-5 alcohols C13 branched, ethoxylated

112-34-5 2-(2-butoxyethoxy)ethanol

61789-77-3 Quaternary ammonium compounds, dicocoalkyldimethyl, chlorides

26027-37-2 Oleicacid Monoethanolamid, ethoxylated

68425-47-8 Soyafattyacid-diethanolamide

63449-41-2 quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides

27083-27-8 Poly (1-hexamethylenebiguanide) hydrochloride

107-21-1 ethanediol

50-00-0 formaldehyde

· **Proposition 65**

· **Chemicals known to cause cancer:**

50-00-0 formaldehyde

· **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.

· **Cancerogeny categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

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

50-00-0 formaldehyde

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· **NTP (National Toxicology Program)**

50-00-0 formaldehyde

R

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

107-21-1 ethanediol

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.

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

None of the ingredients is listed.

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Product related hazard informations:

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

Hazard symbols:

Xi Irritant

N Dangerous for the environment

Risk phrases:

38 Irritating to skin.

41 Risk of serious damage to eyes.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

25 Avoid contact with eyes.

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

29 Do not empty into drains.

37 Wear suitable gloves.

39 Wear eye/face protection.

61 Avoid release to the environment. Refer to special instructions/safety data sheets.

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.

Department issuing MSDS:

Abteilung TQM

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Contact: Herr Vogel*** Data compared to the previous version altered.**

USA