

## 1 Identification of substance

- **Product details**
- **Trade name:** Clip CSL
- **Article number:** 2258-AA-001
- **Application of the substance / the preparation**  
 Concentrated drycleaning detergent with antistatic properties and feel improving effect.  
 Application in Cyclosiloxane D5 solvent.
- **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:** nonionic surfactants, emulsifiers, disinfectants

- **Dangerous components:**

64425-86-1	nonionic surfactants	Xi, N; R 41-50	10-25%
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- **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 = 1  
 Reactivity = 0
- **HMIS-ratings (scale 0 - 4)**  
 Health = 2  
 Fire = 1  
 Reactivity = 0

## 4 First aid measures

- **After skin contact:** Rinse with warm water.
- **After eye contact:**  
 Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

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## 5 Fire fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, 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:** No special measures required.
- **Measures for cleaning/collecting:**  
Small spills - wash to sanitary sewer with plenty of water. Large spills - soak up with approved absorbent, shovel produkt into approved container for disposal. Wash area with plenty of water.

## 7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special measures required.
- **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:**  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.
- **Breathing equipment:** Not required.
- **Protection of hands:** Protective gloves
- **Material of gloves**  
Recommended thickness of the material:  $\geq 0.4$  mm  
PVC or PE gloves
- **Eye protection:** Tightly sealed goggles

## 9 Physical and chemical properties

### · General Information

<b>Form:</b>	Liquid
<b>Color:</b>	Yellow
<b>Odor:</b>	Characteristic

### · Change in condition

**Melting point/Melting range:** Undetermined.

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<b>Boiling point/Boiling range:</b>	Undetermined.
· <b>Flash point:</b>	> 100°C (> 212°F)
· <b>Auto igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Density at 20°C (68°F):</b>	0.99 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix.
· <b>Viscosity:</b>	
<b>Dynamic at 20°C (68°F):</b>	43 mPas
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	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

## 12 Ecological information

- **General notes:**  
On the basis of the raw materials data, including in the product, the following ecological data are to expected.  
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:** Dispose of in accordance with local, state, and federal Regulations.

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- **DOT regulations:**
- **Hazard class:** -
- **Packing group:** -
- **Label:** -
- **Land transport ADR/RID (cross-border):**
- **ADR/RID class:** -
- **Danger code (Kemler):** -
- **UN-Number:** -
- **Packaging group:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **UN Number:** -
- **Label:** -
- **Packaging group:** -
- **EMS Number:** -
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **UN/ID Number:** -
- **Label:** -
- **Packaging group:** -

## 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.

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

None of the ingredients is listed.

**· 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.

**· 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:**

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

Herr Vogel

+49 (0) 611/9271-175

**· Contact:** Herr Vogel