



# MATERIAL SAFETY DATA SHEET

Conforms to EU Directive 91/155

## 1 IDENTIFICATION OF SUBSTANCE



### PRODUCT DETAILS

**TRADE NAME:** HSconc B2-CLR  
**PRODUCT CODE:** FecHSconc B2-CLR

#### Manufacturer/Supplier:

EnroChem Trading DMCC  
Jewellery & Gemplex Building  
DMCC, Dubai

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## 2 COMPOSITION/INFORMATION ON COMPONENTS



### CHEMICAL CHARACTERISATION

**Description:** Proprietary blend of amphoteric & non-ionic surfactants, builders, and chelates.

**Dangerous Components:** None.

## 3 HAZARDS IDENTIFICATION



#### Hazard Designation:

**Information Pertaining to Particular Dangers for Man and the Environment:**

**R 21/22** Harmful by skin contact and if ingested

**R 34** Causes burns

**R 43** May cause sensitisation (dermal)

## 4 FIRST AID MEASURES



**General Information:** Immediate irrigation with water.

**Oral Exposure:** Will cause severe oral burns, treatment is symptomatic.

**Inhalation Exposure:** Supply fresh air. Call a physician in case of symptoms.

**Dermal Exposure:** In case of contact, immediately wash skin with soap and water and rinse thoroughly.

**Eye Exposure:** Rinse opened eye with water for several minutes.



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## 5 FIRE FIGHTING MEASURES



NOT FLAMMABLE

## 6 ACCIDENTAL RELEASE MEASURES



**Personal Safety Precautions:** Wear protective clothing.

**Measures for Environmental Protection:** Should not be discharged into natural water courses in concentrated form. Rather collect and dispose of within acceptable practices.

**Methods for Cleaning/Collecting:** Absorb with liquid-binding material (sand, sawdust, cotton waste, etc). Smaller amounts of contaminated binding material can be disposed of with municipal waste. Wetted surfaces can be flushed off with water.

## 7 HANDLING AND STORAGE



### HANDLING

**Information for Safe Handling:** Avoid skin contact with material as supplied.

**Information about Protection against Explosion and Fire:** No special measures required.

### STORAGE

**Requirements to be met by Storerooms and Containers:** No special requirements.

**Information about Storage in a Common Storage Facility:** Do not store in proximity of acids.

**Further Information about Storage Conditions:** Protect from frost. Protect from heat and direct sunlight.

### STORAGE CLASS

**Classification According to Regulation on Inflammable Liquids (VbF):** None

## 8 EXPOSURE CONTROLS & PERSONAL PROTECTION



**Additional Information about Design of Technical Systems:** No further data; see item 7.

**Components with Critical Values that Require Monitoring at the Workplace:** This product does not contain any relevant quantities of materials with critical values which require monitoring at the workplace.

1310-58-3 Potassium Hydroxide (15-25%)

OEL Short-term value: 2mg/m<sup>3</sup>.

Long-term value: 2mg/m<sup>3</sup>.

**Additional Information:** Information valid at the time of review of MSDS.

### PERSONAL PROTECTIVE EQUIPMENT

**General Protective and Hygiene Measures:** The usual precautionary measures should be adhered to in handling the chemicals.

**Respiratory:** Not required.

**Hand:** Protective gloves.

**Eye:** Safety goggles recommended during blending.

**Body:** Protective work clothing.



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## 9 PHYSICAL & CHEMICAL PROPERTIES



**Physical State:** Liquid  
**Appearance:** Amber to Clear, transparent  
**Melting Point:** N/A  
**Boiling Point:** > 100°C  
**Flash Point:** N/A - Not flammable  
**Explosive Properties:** None  
**Vapor Pressure:** Not determined.  
**Relative Density:** 1.28 - 1.32 g/cm<sup>3</sup>  
**Solubility:** Fully soluble in water  
**pH Value at 20°C:** 12.5 - 13.8  
**Organic Solvent Content:** None  
**Solids Content (%):** 40 - 44%

## 10 STABILITY & REACTIVITY



**Stability:** Stable.  
**Conditions to Avoid:** Excessive heat (+60°C) and freezing.  
**Minimum Shelf Life:** 12 months from date of manufacture.  
**Dangerous Reactions:** Potential for violent exothermic reactions with strong acids.

## 11 TOXICOLOGICAL INFORMATION



**ACUTE TOXICITY:** N/A  
**LD/LC50 Values that are Relevant for Classification:** N/A

**Primary irritant effect**  
**Skin contact:** Persistent exposure may cause dermatitis.  
**Eye contact:** Very irritant effect.  
**Sensitization:** No sensitizing effect known.

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## 12 ECOLOGICAL INFORMATION



**INFORMATION ABOUT ELIMINATION (PERSISTENCE AND DEGRADABILITY):** THIS PRODUCT CONTAINS NO ALKYL PHENOL ETHOXYLATES OR ANY OTHER ENVIRONMENTALLY HARMFUL INGREDIENTS.

**Other Information:** The product is eliminated in waste water treatment plants by physical and biological means.

**Ecotoxicological Effects:** If contaminated effluent water is properly entered into the sewerage system, any interference with the degrading activity of the activated sludge organisms must not be expected.

### ADDITIONAL ECOLOGICAL INFORMATION

**AOX Indication:** The product does not contain substances which can influence the AOX value of waste water.

**Heavy Metals and Compounds (according to EC guidelines NO. 76/464 EC):** None

## 13 DISPOSAL CONSIDERATIONS

Always consult local legislative bylaws. If in doubt hand over to a specifically authorised hazardous waste treatment plant.

### CONTAMINATED PACKAGING

**Recommendation:** Packaging can be reused or recycled after cleaning.

**Recommended Cleaning Agent:** Water, fill container and allow to stand for 12 hours.

## 14 TRANSPORT INFORMATION

### LAND TRANSPORT ADR/RID AND GGVS/GGVE (CROSS-BORDER/DOMESTIC)

ADRIR Class: -

### MARITIME TRANSPORT IMDG/GGVS

IMDG Class: -

Marine pollutant: No

### AIR TRANSPORT ICAO-TL AND IATA-DGR

ICAO/IATA Class: -

**Transport/Additional information:** Not hazardous for transport according to A.M. regulations.



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## 15 REGULATORY INFORMATION



**Designation According to EC Guidelines:** The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (CHIP). Observe the normal safety regulations when handling chemicals.

### NATIONAL REGULATIONS

**Classification According to VbF:** None

**Water Hazard Class 2 [Self-assessment]:** Hazardous for water.

## 16 OTHER INFORMATION



### NOTICE TO READER

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**Data Specification sheet issued by:** EnroChem Trading DMCC

**Contact:** Max Roux

