

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/m³.

Long-term value: 2mg/m³.

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: 1.20 - 1.32 g/cm³
Solubility: Fully soluble in water
pH Value at 20°C: -12.5 - 13.8
Organic Solvent Content: None
Solids Content [%]: 38-42%

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

