



Published on: 15/10/2007
Reviewed on: 30/10/2024

PRODUCT CODE
FecHS Conc PLUS

HS Conc PLUS

MATERIAL SAFETY DATA SHEET

1 IDENTIFICATION OF SUBSTANCE

PRODUCT DETAILS

TRADE NAME: HS Conc PLUS
PRODUCT CODE: FecHS Conc PLUS

Manufacturer/Supplier:

Ecwamix Chemical Systems (Pty) Ltd
3 Granville Avenue Lea Glen Roodepoort, Gauteng South Africa

Information

Tel: (o/h) +27 011 472 2256 Fax: +27 011 472 2121
E-mail: ecwamix@netactive.co.za

Emergency contact:

Office hours: 011 472 2256

2 COMPOSITION/INFORMATION ON COMPONENTS

CHEMICAL CHARACTERIZATION

Description: Proprietary blend of amphoteric & non-ionic surfactants, builders, and chelates. Contains BIOSOLVE – for more effective hydrocarbon cutting and rinsing.

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.

After inhalation: Supply fresh air; consult doctor in case of symptoms.



Published on: 15/10/2007
Reviewed on: 30/10/2024

HS Conc PLUS

MATERIAL SAFETY DATA SHEET

4 FIRST AID MEASURES

After skin contact: Immediately wash with soap and water and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: Will cause severe oral burns, treatment is symptomatic.

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.

Measures 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 & 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.



Published on: 15/10/2007
Reviewed on: 30/10/2024

HS Conc PLUS

MATERIAL SAFETY DATA SHEET

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 hygienic measures: The usual precautionary measures should be adhered to in handling the chemicals.

Respiratory protection: Not required

Protection of hands: Protective gloves.

Eye protection: Safety glasses must be worn during blending.

Body protection: Protective work clothing.

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/cm³

Solubility: Fully soluble in water

pH value at 20°C: 12.5 - 13.8

Organic Solvent content: None

Solids Content (%): 40 - 44%



Published on: 15/10/2007
Reviewed on: 30/10/2024

HS Conc PLUS

MATERIAL SAFETY DATA SHEET

10 STABILITY & REACTIVITY

Stability: The product is 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

Acutotoxicity: N/A

LD/LC50 values that are relevant for classification: N/A

Test	Result	Route	Species
------	--------	-------	---------

PRIMARY IRRITANT EFFECT

Skin contact: Persistent exposure may cause dermatitis.

Eye contact: Very irritant effect.

Sensitization: No sensitizing effect known.

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 wastewater 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 substance which can influence the AOX value of effluent water.

Heavy metals and compounds (according to EC guideline NO. 76/464 EC): None



Published on: 15/10/2007
Reviewed on: 30/10/2024

HS Conc PLUS

MATERIAL SAFETY DATA SHEET

13 DISPOSAL CONSIDERATIONS

Always consult local legislative bylaws. If in doubt hand over to a specifically authorized 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

This product is not regarded as hazardous for transport.

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.

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: Water hazard class 2 (Self-assessment): Hazardous for water.



Published on: 15/10/2007
Reviewed on: 30/10/2024

HS Conc PLUS

MATERIAL SAFETY DATA SHEET

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: Ecwamix Chemical Systems

Contact: Patrick Roux