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E-Muls O

MATERIAL SAFETY DATA SHEET

1 IDENTIFICATION OF SUBSTANCE

PRODUCT DETAILS

TRADE NAME: E-Muls O
PRODUCT CODE: FecE-Muls O

Application of the substance/preparation: Proprietary Surfactant Blend

Manufacturer/Supplier:

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

Information

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Emergency contact:

Office hours: 011 472 2256

2 COMPOSITION/INFORMATION ON COMPONENTS

CHEMICAL CHARACTERIZATION

Description: Proprietary Surfactant Blend.

Dangerous components: Methyl Alcohol CAS No. 67-56-1 (≤ 20%)

3 HAZARDS IDENTIFICATION

HAZARD DESIGNATION: NOT HAZARDOUS

Information pertaining to particular dangers for man and the environment:

R-Phrases

R20/21/22/23/24/25
R36/37/38/41/43
R44

S-Phrases

S15/16/17
S24/25/26/27
S28 (water)
S29

S36/39
S45/46
S62/63/64

4 FIRST AID MEASURES

General information: Irritant Vapour.

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



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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: In case of persistent symptoms consult doctor.

5 FIRE FIGHTING MEASURES

Conventional fire-fighting measures are appropriate.

6 ACCIDENTAL RELEASE MEASURES

Personal safety precautions: Wear respiration equipment and protective clothing.

Measures for environmental protection: Should not be discharged into water courses without prior consultation and authorisation.

Measures for cleaning/collecting: Absorb with liquid-binding material (sand, sawdust, cotton waste, etc); incinerate. Smaller amounts of contaminated binding material can be disposed of with municipal waste.

7 HANDLING AND STORAGE

HANDLING

Information for safe handling: Wear respiration equipment (Inorganic cartridge) & Eye protection.

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: None

Further information about storage conditions: Protect from frost. Protect from heat and direct sunlight.



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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.

None

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: Respirator with Inorganic cartridge

Protection of hands: Protective gloves.

Eye protection: Safety glasses recommended during handling.

Body protection: Protective work clothing.

9 PHYSICAL & CHEMICAL PROPERTIES

Physical state: Liquid

Appearance: Amber to Brown, transparent

Melting point: N/A

Boiling point: ca. 80°C

Flash Point: N/A - Not flammable in form as supplied

Explosive Properties: Only if heated in confinement

Vapor pressure: Not determined

Relative density: 0.86 - 0.88 g/cm³

Solubility: Fully soluble in water

pH value at 20°C: 9.2 - 9.8

Organic Solvent content: 10 - 20%

Solids Content (%): 80 - 90%



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10 STABILITY & REACTIVITY

Stability: The product is stable

Conditions to avoid: Excessive heat (+40°C) and freezing. Repeated freezing and thawing.

Minimum Shelf life: 12 months from date of manufacture

Dangerous reactions: None known

Dangerous products of decomposition: None if used as recommended

11 TOXICOLOGICAL INFORMATION

Acutotoxicity: N/A

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

PRIMARY IRRITANT EFFECT

Skin contact: No immediate irritant effect.

Eye contact: Very irritant effect.

Sensitization: No sensitizing effect known.

12 ECOLOGICAL INFORMATION

Information about elimination (persistence and degradability):

Method: OECD 301

Analysing method: BOC-Elimination

Degree of elimination: > 70 %

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



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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, if necessary with cleaning agent.

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 in concentration.



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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

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