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Ecwa EnviroKLEEN

MATERIAL SAFETY DATA SHEET

1 IDENTIFICATION OF SUBSTANCE

PRODUCT DETAILS

TRADE NAME: Ecwa EnviroKLEEN
PRODUCT CODE: FecEcwa EnviroKLEEN

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
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Emergency contact:

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2 COMPOSITION/INFORMATION ON COMPONENTS

Hazardous Components: None

Synonyms: N/A

Chemical Name: Proprietary Blend

Risk Phrases: R36, R66

3 HAZARDS IDENTIFICATION

Main Hazard: Concentrated product has high pH. Product has degreasing properties.

Flammability: Not Flammable

Chemical Hazard: Concentrated product is highly alkaline.

Biological Hazard: None

Reproductive Hazard: None

Health-Eyes: Concentrated product will cause eye irritation.

Health-Skin: Concentrated product may cause skin irritation.

Health-Ingestion: May cause stomach upset. Seek medical attention.

Health-Inhalation: No irritation should occur.

Carcinogenic: Not Carcinogenic

Mutagenic: Not Mutagenic

Neurotoxicity: Not Neurotoxic



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4 FIRST AID MEASURES

General information: No special measures required.

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

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 Ingested: Do not Induce Vomiting. Seek immediate medical attention.

5 FIRE FIGHTING MEASURES

Extinguishing Media: Carbon dioxide, Dry Powder, Foam or Water Spray

Special Hazards: None

Protective Clothing: Full Protective clothing to be worn.

6 ACCIDENTAL RELEASE MEASURES

Personal safety precautions: Wear protective clothing (PVC Apron/Gloves & Eye Protection).

Measures for environmental protection: Should not be discharged into water courses without prior treatment (Demulsify, collect solids & incinerate. Or by biological purification plant).

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.

7 HANDLING AND STORAGE

HANDLING

Information for safe handling: No special measures required.

Information about protection against explosion & fire: No special measures required.

STORAGE

Requirements to be met by storerooms and containers: No special requirements.



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7 HANDLING AND STORAGE

Information about storage in a common storage facility: Store away from acidic material.

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.

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 recommended during refilling.

Body protection: Protective work clothing.

Other protection: Safety Boots/Shoes.

9 PHYSICAL & CHEMICAL PROPERTIES

Physical state: Slightly Viscous Liquid

Appearance: Slightly Amber, Clear

Odour: Typical Surfactant

Melting point: < 0°C

Boiling point: ca. 100°C



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9 PHYSICAL & CHEMICAL PROPERTIES

Flash Point: > 100°C

Oxidizing Properties: None

Explosive Properties: Not Explosive

Vapor pressure: Not determined

Relative density (at 25°C): 1.105 - 1.115 g/cm³

Solubility (Water): Totally soluble in water (Not Soluble in Polar Solvents)

pH at 25°C (Concentrate): 13.0 - 13.5 (pH of Dilutions to be determined by User of Conc.)

Organic Solvent content: None

Solids Content: 20 - 23%

10 STABILITY & REACTIVITY

Stability: The product is stable

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

Minimum Shelf life: 3 months from date of manufacture

Incompatible Material: Oxidising Agents and Acids

Dangerous products of decomposition: None if used as recommended.

11 TOXICOLOGICAL INFORMATION

Acute toxicity: LD/LC50 values that are relevant for classification:

Test	Result	Route	Species
None	N/A	N/A	N/A

PRIMARY IRRITANT EFFECT

Skin contact: Strong degreasing effect.

Eye contact: Irritant effect.

Sensitization: No sensitizing effect known.



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11 TOXICOLOGICAL INFORMATION

Chronic Toxicity: None.

Carcinogenicity: Not Carcinogenic.

Mutagenicity: Not Mutagenic.

Reproductive Hazards: None.

Neurotoxicity: Not neurotoxic.

12 ECOLOGICAL INFORMATION

Aquatic Toxicity - FISH: LC50 96 hours 100-300mg/l

Aquatic Toxicity - DAPHNIA: LC50 48 hours 100-200mg/l

Aquatic Toxicity - ALGAE: LC50 72 hours 160mg/l

Biodegradability: Primary degradation > 90%. Complies with EEC Objectives 73/404/EEC on biodegradation of Surfactants.

Bioaccumulation: Not likely to occur.

Mobility: Not known

German wgk.: None

ADDITIONAL ECOLOGICAL INFORMATION:

AOX indication: The product does not contain substances, which can influence the AOX of wastewater.

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

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.



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14 TRANSPORT INFORMATION

UN No.: N/A	IMDG - Packaging Group: N/A	ADNR - Class: N/A
Substance Identity No.: N/A	IMDG - Marine Pollutant: N/A	UK - Description: N/A
ADR/RID Class: N/A	IMDG - EMS No.: N/A	UK - Emergency Action Class: N/A
ADR/RID Item No.: N/A	IMDG - MFAG Table No.: N/A	UK - Classification: N/A
ADR/RID Hazard ID No.: N/A	IATA - Shipping Name: N/A	Trem card No.: N/A
IMDG - Shipping Name: N/A	IATA - Class: N/A	
IMDG - Class: N/A	IATA - Subsidiary Risks: None	

15 REGULATORY INFORMATION

DESIGNATION ACCORDING TO EEC GUIDELINES

EEC Hazard Classification: Irritating. X1

Risk Phrases:

R36, Irritating to the Eyes
R66, Repeated exposure may cause skin dryness or cracking.

Safety Phrases: S25; S26, In case of contact with eyes, rinse with water for 15 min

National regulations

Classification according to VbF: None

Water hazard class: 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: Ecwamix Chemical Systems

Contact: Patrick Roux