



Published on: 01/07/2011

Reviewed on:

Material Safety Data Sheet

Conforms to EU Directive 91/155

1. Identification of Substance

Product Details

Trade name : **Ecwa - Enviro KLEEN pf**

Product code: FFSPenvkln-pf-degr

Application of the substance/preparation: **Alkaline, Water-Based Degreasing.**

Chemical Family: Alkaline Surfactant Blend

Chemical Name: Proprietary Blend

Synonyms: N/A

HazChem Code: -----

UN Number: -----

Manufacturer/Supplier:

Ecwamix Chemical Sysytems cc

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Information:

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Emergency information:

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2. Composition/information on components

Hazardous Components: None

Chemical Name: Proprietary Blend

Synonyms: N/A

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-Inhilation: **No irritation should occur**Carcinogenic: **Not Carcinogenic**Mutagenic: **Not Mutagenic**Neurotoxicity: **Not Neurotoxic**

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.



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5. Fire Fighting measures

Extinuishing 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.

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.

N/A

N/A

N/A

N/A

N/A

N/A

N/A

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.



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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
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

Acutetoxicity: LD/LC50 values that are relevant for classification:

	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
None	N/A	N/A	N/A	N/A

Skin contact: Strong degreasing effect.
Eye contact: Irritant effect.
Sensitization: No sensitizing effect known.
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.
Bio-accumulation.....: Not likely to occur.
Mobility.....: Not known
German wkg.: None

Additional ecological information:

AOX indication:

The product does not contain substances, which can influence the AOX of waste water.

Heavy metals and compounds (according EEC guideline NO. 76/464 EEC): 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

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

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,Inc case of contact with eyes,rinse with water for 15 min

National regulations:

None Available:Observe the normal safety regulations when handling chemicals.

Classification according to VbF: None

Water hazard class: Non- hazardous for water(In diluted form).

16. Other information

Notice to Reader: This Product does NOT contain any organic solvents. It comprises of Environmentally Acceptable Raw Materials and is Not hazardous to the environment.

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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