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Material Safety Data Sheet

Conforms to EU Directive 91/155

MSDS: **ECWA-NS908**

1) IDENTIFICATION OF PRODUCT AND COMPANY

PRODUCT NAME: **ECWA-NS 908**

COMPANY IDENTIFICATION: **ECWAMIX Chemical Systems cc**
3 Granville Ave, Lea Glen
Roodepoort, Gauteng
South Africa

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EMERGENCY INFORMATION: Tel (Office Hours): +27 (0) 11 472 2256

2) COMPOSITION / INGREDIENT INFORMATION

CAS No. N/A – Proprietary Blend
Synonyms: Fatty Alcohol Polyglycol Ether

3) HAZARDOUS INFORMATION

EMERGENCY OVERVIEW:
Irritant.....: Irritating to eyes, respiratory system and skin.

HMIS RATING:
HEALTH.....: 2
FLAMMABILITY: 0
REACTIVITY....: 0

NFPA RATING:
HEALTH.....: 2
FLAMMABILITY: 0
REACTIVITY....: 0

For additional information on toxicity, please refer to Section 11.

4) FIRST AID MEASURES

ORAL EXPOSURE:
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE:
If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

DERMAL EXPOSURE:
In case of contact, immediately wash skin with soap and copious amounts of water.

EYE EXPOSURE:
In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.



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5) FIRE FIGHTING MEASURES

FLASH POINT:

> 200 deg. C Method: closed cup

AUTOIGNITION TEMP:

N/A

FLAMMABILITY:

N/A

EXTINGUISHING MEDIA:

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

FIREFIGHTING:

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazard(s): Emits toxic fumes under fire conditions.

6) ACCIDENTAL RELEASE MEASURES

PROCEDURE(S) OF PERSONAL PRECAUTION(S):

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP:

Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pick-up is complete.

7) HANDLING & STORAGE

HANDLING:

User Exposure: Do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE:

Suitable: Keep tightly closed.

8) EXPOSURE CONTROLS

ENGINEERING CONTROLS:

Mechanical exhaust required. Safety shower and eye bath.

PERSONAL PROTECTIVE EQUIPMENT:

Respiratory: Government approved respirator.

Hand.....: Compatible chemical-resistant gloves.

Eye.....: Chemical safety goggles.

GENERAL HYGIENE MEASURES:

Wash thoroughly after handling.

9) PHYSICAL AND CHEMICAL PROPERTIES

Appearance Physical State.....:	Liquid
Colour.....:	Clear water white to very pale straw yellow
Average Molecular Mass.....:	- ca. 600 - 620
pH.....:	6.00 – 8.00 Concentration: 100 g/l
BP/BP Range.....:	> 100 °C 760 mmHg
Vapor Pressure.....:	< 1 mmHg 20 °C
Vapor Density.....:	N/A
Flash Point – Organic Components:	> 200deg. C Method: closed cup
Solubility: Solubility in Water.....:	Soluble



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10) STABILITY AND REACTIVITY

STABILITY:

Stable.....: Stable.

Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

HAZARDOUS POLYMERIZATION:

Hazardous Polymerization: Will not occur

11) TOXICOLOGICAL INFORMATION

ROUTE OF EXPOSURE:

Skin Contact.....: May cause skin irritation.

Eye Contact.....: Causes eye irritation.

Inhalation.....: Material may be irritating to mucous membranes and upper respiratory tract.

Multiple Routes: May be harmful by inhalation, ingestion, or skin absorption.

SIGNS AND SYMPTOMS OF EXPOSURE:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

TOXICITY DATA:

Oral

Rat

1000 mg/kg

LD50

Remarks: Gastrointestinal: Ulceration or bleeding from stomach.

Gastrointestinal: Other changes. Liver: Fatty liver degeneration.

12) ECOLOGICAL INFORMATION

ACUTE ECOTOXICITY TESTS:

Test Type.....: EC50 Algae

Species.....: Selenastrum capricornutum resp.

Value.....: <10 mg/l

Test Type.....: EC50 Daphnia

Species.....: Daphnia magna

Time.....: 48 h

Value.....: 5 - 10 mg/l

Test Type.....: LC50 Fish

Species.....: Cyprinus carpio

Time.....: 96 h

Value.....: 1 - 5 mg/l

Test Type.....: LC50 Fish

Species.....: Other fish

Time.....: 96 h

Value.....: 1 - 5 mg/l

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13) DISPOSAL CONSIDERATION

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION:

Contact a licensed professional waste disposal service to dispose of this material.

14) TRANSPORT INFORMATION

Regulatory Info:	Shipping Name:	UN No:	Class:	Packing Group:
EEC Regulation	FLAMMABLE Liquid, NOS	UN1987	3	III
ADR / SANS 10228	FLAMMABLE Liquid, NOS	UN1987	3	III
IMDG/UN				
ICAO/IATA:				
Passenger Aircraft				
Cargo Aircraft				
EMERGENCY RESPONSE GROUP				III

15) REGULATORY INFORMATION

LABEL FOR SUPPLY:

IRRITANT.

RISK PHRASES:

AVOID DIRECT CONTACT AS THE PRODUCT MAY IRRITATE SKIN, EYES AND MUCOUS MEMBRANES.

SAFETY PHRASES:

AVOID CONTACT WITH SKIN AND EYES. DO NOT INGEST. AVOID BREATHING VAPOURS OVER A LONG PERIOD.



16) OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. **ECWAMIX** shall not be held liable for any damage resulting from handling or from contact with the above product.

Contact: Patrick Roux