

MATERIAL SAFETY DATA SHEET SAFEWASH - AQUEOUS FLUX REMOVER

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name SAFEWASH - AQUEOUS FLUX REMOVER
Product No. SWA-b, ESWA05L, ESWA25L, ESWA200L, ZE

1.2. Relevant identified uses of the substance or mixture and uses advised against

Application: Cleaning Product
Uses Advised Against At this moment in time we do not have information on use restrictions. They will be included in this safety data sheet when available

1.3. Details of the supplier of the safety data sheet

Supplier H K WENTWORTH PTY LIMITED
P.O. BOX 339
BROOKVALE, NSW 2100
AUSTRALIA
TEL: 02 9938 1566
FAX: 02 9938 1467
GENERAL MANAGER

1.4. Emergency telephone number

Tel: 029938 1566 between 8.30am and 5.00pm EST

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



Signal Word Danger

Hazard Statements

H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

Precautionary Statements

P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves, eye and face protection.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplementary Precautionary Statements

P261 Avoid breathing vapour/spray.
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P310 Immediately call a POISON CENTER or doctor/physician.
P332+313 If skin irritation occurs: Get medical advice/attention.

2.3. Other hazards

Not Classified as PBT/vPvB by current EU criteria.

StAtement Of Hazardous Nature

HAZARDOUS SUBSTANCE (According to criteria of NOHSC). NON-DANGEROUS GOODS (According to ADG Code).

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ADR Class

Not classified for transportation.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures**

DIPROPYLENE GLYCOL MONOMETHYL ETHER		5-10%
CAS-No.: 34590-94-8	EC No.:	
Classification (EC 1272/2008) Not classified.	Classification (67/548) Not classified.	
Alcohol Ethoxylate		5-10%
CAS-No.: 68439-46-3	EC No.:	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548) Xn;R22. Xi;R41.	
2-AMINOETHANOL		5-10%
CAS-No.: 141-43-5	EC No.: 205-483-3	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Corr. 1B - H314 STOT SE 3 - H335	Classification (67/548) C;R34 Xn;R20/21/22	
ALKYLBENZENE SUPHONIC ACID SODIUM SALT		1-5%
CAS-No.: 85117-50-6	EC No.: 285-600-2	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318	Classification (67/548) Xn;R22. Xi;R38,R41.	

The Full Text for all R-Phrases and Hazard Statements is Displayed in Section 16.

Composition Comments

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels Ingredients are registered on AICS

SECTION 4: FIRST AID MEASURES**4.1. Description of first aid measures****Inhalation**

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Rinse mouth thoroughly. Get medical attention.

Skin contact

Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if irritation persists after washing.

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Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Use: Carbon dioxide (CO₂). Alcohol resistant foam. Powder. Dry chemicals, sand, dolomite etc.

Unsuitable Extinguishing Media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous Combustion Products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Move container from fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Absorb in vermiculite, dry sand or earth and place into containers. Wear necessary protective equipment.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. Collect and dispose of spillage as indicated in section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

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Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
2-AMINOETHANOL	ES-TWA	3 ppm	7.5 mg/m3	6 ppm	15 mg/m3	
DIPROPYLENE GLYCOL MONOMETHYL ETHER	ES-TWA	50 ppm(Sk)	308 mg/m3(Sk)			

Ingredient Comments

Australian exposure limits are: LT= ES-TWA and ST= ES STEL

8.2. Exposure controls**Protective equipment****Process Conditions**

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.

Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P3). EN14387

Hand protection

Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Nitrile gloves are recommended. Gloves should conform to EN374

Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable. EN166

Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Appearance	Liquid
Colour	Green.
Odour	Characteristic.
Relative density	0.99 - 1.10 @ 20 °c (68 F)
pH-Value, Conc. Solution	11 - 13
Viscosity	5 - 10 mPas @ 15 °c (59 F)

9.2. Other information

None.

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity**

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions.

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10.3. Possibility of hazardous reactions

Not available.

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials To Avoid

Strong oxidising substances.

10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

No information available.

Other Health Effects

This substance has no evidence of carcinogenic properties.

Inhalation

May cause irritation to the respiratory system.

Ingestion

May cause stomach pain or vomiting.

Skin contact

Prolonged contact may cause dryness of the skin. May cause skin irritation/eczema

Eye contact

Irritating to eyes.

Target Organs

Eyes

Toxicological Information on Ingredients:

2-AMINOETHANOL (CAS: 141-43-5)

Acute toxicity:

Acute Toxicity (Oral LD50)

1090 mg/kg Rat

DIPROPYLENE GLYCOL MONOMETHYL ETHER (CAS: 34590-94-8)

Toxic Dose 1 - LD 50

>5000 mg/kg (oral rat)

Toxic Conc. - LC 50

55 mg/l/4h (inh-rat)

ALKYLBENZENE SUPLHONIC ACID SODIUM SALT (CAS: 85117-50-6)

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Alcohol Ethoxylate (CAS: 68439-46-3)

Acute toxicity:

Acute Toxicity (Oral LD50)

> 5000 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 2000 mg/kg

Skin Corrosion/Irritation

Not irritating.

Respiratory or Skin Sensitisation

Not Sensitising.

Germ Cell Mutagenicity

Negative.

Negative.

Aspiration Hazard

Risk of serious damage to eyes.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

No data on possible environmental effects have been found.

12.1. Toxicity

Ecological Information on Ingredients:

2-AMINOETHANOL (CAS: 141-43-5)

Acute Toxicity - Fish

LC50 96 hours 125 mg/l Freshwater fish

Acute Toxicity Aquatic Invertebrates

EC50 48 hours 33 mg/l Daphnia magna

DIPROPYLENE GLYCOL MONOMETHYL ETHER (CAS: 34590-94-8)

LC 50, 96 Hrs, Fish mg/l

>1000

EC 50, 48 Hrs, Daphnia, mg/l

1919

Alcohol Ethoxylate (CAS: 68439-46-3)

Acute Toxicity - Fish

LC50 96 hours > 1-10 mg/l

Acute Toxicity Aquatic Invertebrates

EC50 48 hours > 1-10 mg/l Daphnia magna

Acute Toxicity - Aquatic Plants

EC50 72 hours > 1-10 mg/l Freshwater algae

12.2. Persistence and degradability

Degradability

There are no data on the degradability of this product.

Ecological Information on Ingredients:

Alcohol Ethoxylate (CAS: 68439-46-3)

Degradability

The product is expected to be biodegradable.

Biodegradation

% Degradation 60 > 28 days

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

SAFEWASH - AQUEOUS FLUX REMOVER**12.4. Mobility in soil****12.5. Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB Substances.

12.6. Other adverse effects

Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

General	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADG).
Road Transport Notes	Not Classified
Sea Transport Notes	Not classified.
Air Transport Notes	Not classified.

14.1. UN number**14.2. UN proper shipping name****14.3. Transport hazard class(es)**

ADR Class	Not classified for transportation.
Transport Labels	No transport warning sign required.

14.4. Packing group**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

No information required.

UDF Phrase 1 Not classified for transportation

SECTION 15: REGULATORY INFORMATION

Poisons Schedule Number NONE

National Regulations And References

National Model Regulations for the Control of Workplace Hazardous Substances.
National Code of Practice for the Control of Workplace Hazardous Substances.
National Code of Practice for the Labelling of Workplace Substances.
National Code of Practice for the Preparation of Material Safety Data Sheets.
Approved Criteria for Classifying Hazardous Substances.
Exposure Standards for Atmospheric Contaminants in the Occupational Environment.
Australian Dangerous Goods Code. The Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**Authorisations (Title VII Regulation 1907/2006)**

No specific authorisations are noted for this product.

SAFEWASH - AQUEOUS FLUX REMOVER**Restrictions (Title VIII Regulation 1907/2006)**

No specific restrictions of use are noted for this product.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Issued By	Helen O'Reilly
Revision Date	JUNE 2013
Revision	2
SDS No.	11476

Risk Phrases In Full

R34	Causes burns.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R22	Harmful if swallowed.
R37/38	Irritating to respiratory system and skin.
R37	Irritating to respiratory system.
R38	Irritating to skin.
NC	Not classified.
R41	Risk of serious damage to eyes.

Hazard Statements In Full

H318	Causes serious eye damage.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H335	May cause respiratory irritation.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.