

# SAFETY DATA SHEET

ActiveEco ActiPlus

Infosafe No.: MTM9N  
ISSUED Date: 13/04/2017  
Issued by: Envirofluid

## 1. IDENTIFICATION

**GHS Product Identifier**

ActiveEco ActiPlus

**Product Code**

AEAPL-5, AEAPL-20, AEAPL-200

**Company Name**

Envirofluid

**Address**

39 Coghlan Road Warrnambool  
VICTORIA 3280 Australia

**Telephone/Fax Number**

Tel: 1800 777 580 (8am - 5pm AEST)  
Fax: 1300 777 580

**Emergency phone number**

1800638556 (24h) / +61 3 5564 6455

**E-mail Address**

info@envirofluid.com

**Recommended use of the chemical and restrictions on use**

Low odour alkaline surfactant degreaser. Heavy duty hard surface cleaner.

**Additional Information**

For professional use only. Always pre-test in an inconspicuous location for any substrate sensitivity to chemicals.

## 2. HAZARD IDENTIFICATION

**GHS classification of the substance/mixture**

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Acute Toxicity - Oral: Category 4

Corrosive to Metals: Category 1

Eye Damage/Irritation: Category 1

Skin Corrosion/Irritation: Category 1A

STOT Single Exposure: Category 3 (respiratory tract irritation)

**Signal Word (s)**

DANGER



**Hazard Statement (s)**

H290 May be corrosive to metals.  
 H302 Harmful if swallowed.  
 H314 Causes severe skin burns and eye damage.  
 H335 May cause respiratory irritation.

**Pictogram (s)**

Corrosion, Exclamation mark



**Precautionary statement – Prevention**

P234 Keep only in original container.  
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P264 Wash contaminated skin thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statement – Response**

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
 P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER or doctor/physician.  
 P330 Rinse mouth.  
 P363 Wash contaminated clothing before reuse.  
 P390 Absorb spillage to prevent material damage.

**Precautionary statement – Storage**

P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.  
 P406 Store in corrosive resistant/ container with a resistant inner liner.

**Precautionary statement – Disposal**

P501 Dispose of contents/container to an approved waste disposal plant.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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**Ingredients**

Name	CAS	Proportion
Sodium hydroxide	1310-73-2	10-<30 %
Potassium hydroxide	1310-58-3	10-<30 %
Sodium metasilicate, pentahydrate	10213-79-3	<10 %
Ingredients determined not to be hazardous		Balance



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## 4. FIRST-AID MEASURES

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### Inhalation

If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

### Ingestion

Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

### Skin

Remove all contaminated clothing immediately. Wash gently and thoroughly with water and non-abrasive soap for 15 minutes. Ensure contaminated clothing is washed before re-use or discard. Seek immediate medical attention.

### Eye contact

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.

### First Aid Facilities

Eyewash, safety shower and normal washroom facilities.

### Advice to Doctor

Treat symptomatically.

### Other Information

For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

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## 5. FIRE-FIGHTING MEASURES

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### Suitable Extinguishing Media

Use dry chemical, carbon dioxide, foam, water spray or water fog.

### Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases.

### Specific Hazards Arising From The Chemical

This product is not readily combustible. Will break down under fire conditions and the organic component may burn. Heat may cause expansion or decomposition with violent rupture of containers.

### Hazchem Code

2X

### Decomposition Temperature

Not available

### Precautions in connection with Fire

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.



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## 6. ACCIDENTAL RELEASE MEASURES

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### Emergency Procedures

Evacuate all unprotected personnel. Do not allow contact with skin and eyes. Do not breathe mist/vapour. It is essential to wear self-contained breathing apparatus (S.C.B.A) and full personal protective equipment and clothing to prevent exposure. Avoid exposure to spillage by collecting the material using vacuum and transfer into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations. As a water based product, if spilt on electrical equipment the product will cause short-circuits.

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## 7. HANDLING AND STORAGE

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### Precautions for Safe Handling

Corrosive liquid. Attacks skin and eyes. Causes burns. Avoid breathing in vapours, mist or fumes. Wear suitable protective clothing, gloves and eye/face protection when mixing and using. Use in designated areas with adequate ventilation. Keep containers tightly closed. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.

WARNING: To avoid violent reaction, ALWAYS add material to water and NEVER water to material.

### Conditions for safe storage, including any incompatibilities

Corrosive liquid. Store in a cool dry well-ventilated area. Keep out of reach of children. Protect from freezing. Store away from oxidising agents and bases/acids. Store away from incompatible materials. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks.

Provide a catch-tank in a bunded area. Store in original packages as approved by manufacturer. Protect from physical damage. Ensure that storage conditions comply with applicable local and national regulations. For information on the design of the storeroom, reference should be made to Australian Standard AS 3780 The storage and handling of corrosive substances. Reference should also be made to all applicable local and national regulations.

### Corrosiveness

May be corrosive to metals.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Occupational exposure limit values

No exposure standards have been established for this material. However, the available exposure limits for ingredients are listed below:

Sodium hydroxide

TWA: 2 mg/m<sup>3</sup> (Peak limitation)

Potassium hydroxide

TWA: 2 mg/m<sup>3</sup> (Peak limitation)

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

Peak Limitation: A ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.

### Biological Limit Values

No biological limits allocated.



### Appropriate Engineering Controls

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn.

### Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.

Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### Eye Protection

Safety glasses with full face shield should be used. Eye protection devices should conform to relevant regulations.

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

### Hand Protection

Wear elbow length gloves of impervious material such as butyl rubber or neoprene. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

### Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### Form

Liquid

### Appearance

Dark brown slightly viscous liquid

### Colour

Dark brown

### Odour

Mild chemical odour

### Decomposition Temperature

Not available

### Melting Point

Not available

### Boiling Point

Not available

### Solubility in Water

Miscible

### Specific Gravity

1.22

### pH

14



**Vapour Pressure**

Not available

**Vapour Density (Air=1)**

Not available

**Evaporation Rate**

Not available

**Odour Threshold**

Not available

**Viscosity**

Not available

**Partition Coefficient: n-octanol/water**

Not available

**Flash Point**

Not applicable

**Flammability**

Not flammable

**Auto-Ignition Temperature**

Not applicable

**Flammable Limits - Lower**

Not applicable

**Flammable Limits - Upper**

Not applicable

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## 10. STABILITY AND REACTIVITY

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**Chemical Stability**

Stable under normal conditions of storage and handling.

**Reactivity and Stability**

Reacts with incompatible materials.

**Conditions to Avoid**

Extremes of temperature and direct sunlight. Protect from freezing.

**Incompatible materials**

Avoid strong acids, acid chlorides, acid anhydrides, chloroformates, oxidisers, copper, aluminium and their alloys.

**Hazardous Decomposition Products**

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases.

**Possibility of hazardous reactions**

May be corrosive to metals.

**Hazardous Polymerization**

Will not occur.



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## 11. TOXICOLOGICAL INFORMATION

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### **Toxicology Information**

No toxicity data available for this material.

### **Ingestion**

Harmful if swallowed. Ingestion of this product will cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.

### **Inhalation**

Inhalation of mist or vapour will result in respiratory irritation and possible harmful corrosive effects including burns, lesions of the nasal septum, pulmonary edema, emphysema and scarring of tissue. Long-term exposure to respiratory irritants may result in respiratory disease involving difficult breathing and related systemic problems.

### **Skin**

Causes burns. Corrosive to the skin. Skin contact can cause redness, itching, irritation, severe pain and chemical burns with resultant tissue destruction.

### **Eye**

Causes serious eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible burns, necrosis, permanent damage and blindness.

### **Respiratory sensitisation**

Not expected to be a respiratory sensitiser.

### **Skin Sensitisation**

Not expected to be a skin sensitiser.

### **Germ cell mutagenicity**

Not considered to be a mutagenic hazard.

### **Carcinogenicity**

Not considered to be a carcinogenic hazard.

### **Reproductive Toxicity**

Not considered to be toxic to reproduction.

### **STOT-single exposure**

May cause respiratory irritation.

### **STOT-repeated exposure**

Not expected to cause toxicity to a specific target organ.

### **Aspiration Hazard**

Not expected to be an aspiration hazard.

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## 12. ECOLOGICAL INFORMATION

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### **Ecotoxicity**

No ecological data available for this material.

### **Persistence and degradability**

Sodium hydroxide

Low persistence in Water/Soil/Air

### **Mobility**

Sodium hydroxide

Mobility in soil low (KOC = 14 3)



#### **Bioaccumulative Potential**

Sodium hydroxide

Bioaccumulative potential low (logKOW = -3.8796)

#### **Other Adverse Effects**

Not available

#### **Environmental Protection**

Do not discharge this material into waterways, drains and sewers.

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## 13. DISPOSAL CONSIDERATIONS

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#### **Disposal considerations**

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

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## 14. TRANSPORT INFORMATION

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#### **Transport Information**

Road and Rail transport:

This material is classified as a Class 8 Corrosive Substances Dangerous Goods

Class 8 Dangerous Goods are incompatible in a placard load with any of the following:

- Class 1: Explosives
- Division 4.3: Dangerous when wet Substances
- Division 5.1: Oxidising substances
- Division 5.2: Organic peroxides
- Class 6, Toxic or Infectious Substances, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids

Class 7: Radioactive materials unless specifically exempted

and are incompatible with food and food packaging in any quantity.

Strong acids must not be loaded in the same freight container or on the same vehicle with strong alkalis. Packing Group I and II acids and alkalis should be considered as strong.

Marine Transport (IMO/IMDG):

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Class/Division: 8

UN No: 3266

Proper Shipping Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM HYDROXIDE & POTASSIUM HYDROXIDE)

Packing Group: I

EMS: F-A, S-B

Special Provisions: 274

Air Transport (ICAO/IATA):

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Class/Division: 8

UN No: 3266

Proper Shipping Name: Corrosive liquid, basic, inorganic, n.o.s. (contains Sodium hydroxide & Potassium hydroxide)

Packing Group: I

Packaging Instructions (passenger & cargo): 851





Packaging Instructions (cargo only): 855  
Special Provisions: A3, A803

**U.N. Number**

3266

**UN proper shipping name**

CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.(Contains Sodium hydroxide and Potassium hydroxide)

**Transport hazard class(es)**

8

**Packing Group**

I

**Hazchem Code**

2X

**Special Precautions for User**

Not available

**IERG Number**

37

**IMDG Marine pollutant**

No

**Transport in Bulk**

Not available

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## 15. REGULATORY INFORMATION

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**Regulatory information**

Classified as Hazardous according to the Globally Harmonised System of classification and labelling of chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Poisons Schedule**

S6

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## 16. OTHER INFORMATION

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**Date of preparation or last revision of SDS**

SDS reviewed: April 2017

Supersedes: March 2017

**References**

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants.

Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of classification and labelling of chemicals.



## END OF SDS

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