

Material Safety Data Sheet

This substance is classified as Hazardous according to the criteria of Worksafe Australia.

Issue Date 18th May 2023

ATOMEX PUMP SAVER

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name

ATOMEX PUMP SAVER

Product Code

P/N AXPS01

Product Use

Corrosion Inhibitor Concentrate for use in Airless Spray Pumps

Company Name

Airless Pty Ltd

Address

29 Carlingford Street, Regents Park NSW 2143

Telephone

(02) 9644 1040

Fax

(02) 9644 3147

Other Names

Other Information

2. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition

Chemical entity

Ethylene Glycol Denatonium Benzoate

Other ingredients determined not to be hazardous

CAS number

107-21-1

3437-33-6

Proportion

>60%

<1%

to 100%

3. HAZARDS IDENTIFICATION

HUMAN HEALTH HAZARDS – ACUTE

EYES

Can cause moderate irritation

SKIN

Can cause moderate irritation

INGESTION

Harmful if swallowed. Large quantities may cause kidney damage. Irritation of the gastro - intestinal tract may occur with nausea and vomiting.

INHALATION

Not a likely route of exposure. Mists or vapours may be irritating to eyes, nose, throat and lungs.

HUMAN HEALTH HAZARDS – CHRONIC

Contains mono ethylene glycol, which is toxic when swallowed. 100ml is considering a lethal dose for an adult. Repeated exposure to high doses by ingestion (animal studies) has caused kidney, liver and central nervous system damage.

4. FIRST AID MEASURES

Eye Contact

Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open for at least 15 minutes. Obtain medical attention if irritation continues.

Skin Contact

Wash skin with soap and water as soon as reasonably practicable. Remove contaminated clothing. Seek medical attention.

Ingestion

If a significant quantity has been swallowed, do not induce vomiting. Give 2 glasses of water. Seek medical attention Inhalation If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. If symptoms persist obtain medical advice. As with any chemical, exposure by ingestion, inhalation or contact with eyes or skin should be avoided by correct occupational practices.

Advice to Doctor

Treatment should in general be symptomatic and directed to relieving any effects.

5. FIRE FIGHTING MEASURES

Flash Point

Non flammable

Extinguishing Media

Choice of extinguishing media should be made by what other materials are present.

Fire and Explosion Hazard

Combustible – oxides of carbon may be evolved after evaporation of all the water.

Special Protective

In case of fire, wear a full face self-contained breathing apparatus and protective suit

Equipment for fire fighting

6 ACCIDENTAL RELEASE MEASURES.

Personal Precautions

Restrict access to area affected until clean-up is completed. Use personal protective equipment as detailed in section 8. Do not touch spilled material. Emergency equipment should be available. Notify appropriate authorities. Do not contaminate surface waters – depletion of oxygen in the water will occur.

Environmental

Protect drains from potential spills to minimise contamination.
In the case of large spills contact the appropriate authorities

Precautions

Soak up spilled material using sand or other suitable inert absorbent material. Place residues in a suitably marked sealed container.

Clean up methods

7. HANDLING AND STORAGE

Handling

Use with adequate ventilation. Avoid contact with eyes. If splashing is likely to occur wear a full face visor or chemical goggles as appropriate. Avoid frequent or prolonged skin contact. Wear PVC or similar gloves.

Storage

Store only in original or approved containers. Store away from oxidisers.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Occupational Exposure Limits Ingredient name:	Exposure Limits				
		TWA	STEL	PEAK/CEILING	PEAK/CEILING
		mg/m3	mg/m3	ppm	mg/m3
Ethylene glycol (vapour)	NOHSC	60	120		
Ethylene glycol	OSHA/PEL			50	125

Engineering measures

Local exhaust ventilation should be provided.

Personal Protection**Eyes**

Use chemical splash goggles

Skin

Wear standard protective clothing

Hands

Wear any impervious gloves

Respiratory

Respiratory protection is not generally needed. If ventilation is inadequate, use respirator that will protect against dusts and mists. Respiratory protection should conform to AS/NZS 1715 and AS/NZS 1716.

9. PHYSICAL AND CHEMICAL PROPERTIES**Odour**

Slight

Boiling Point

N/A,

pH Value (33% sol'n)

8.3-8.5

Vapour Pressure

N/A

Physical State

Liquid

Colour

Green

Density

1.11-1.12

10. STABILITY AND REACTIVITY

Hazardous Polymerisation

Hazardous polymerisation reactions will not occur.

Materials to Avoid

Strong oxidizers

Hazardous Decomposition Products

Oxides of carbon

Conditions to Avoid

Products of this type are stable and unlikely to react in a hazardous manner under normal conditions of use. This material is combustible after evaporation of the aqueous component.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY DATA

The following results are for Ethylene Glycol

Acute Oral Toxicity

LD50 (Rat) 4700mg/kg

Lowest lethal dose (human) 786mg/kg

Estimated lethal dose (human) 100 ml

Acute Dermal Toxicity

LD50 (Rabbit) 9530mg/kg

Acute Inhalation Toxicity

(Rat) >5mg/kg

SENSITIZATION

This product is not expected to be a sensitizer.

CHRONIC TOXICITY

Contains ethylene glycol. Repeated high ingested dosages of ethylene glycol in animal studies brain damage, kidney damage, degeneration of the liver and changes in blood chemistry. Similar effects may be caused in humans by repeated and/or prolonged exposure.

CARCINOGENICITY

This product does not contain any substances that are listed as carcinogens.

TERATOGENICITY

Ethylene glycol has been shown to produce teratogenic effects in mice when high doses were administered by ingestion.

12. ECOLOGICAL INFORMATION

Ecotoxicity

No ecotoxicity studies have been done on this product.

Persistence & Degradability

Ethylene glycol is classified as “readily” biodegradable according to the guidelines of the OECD.

Bioaccumulation

Ethylene glycol does not bioaccumulate.

13. DISPOSAL CONSIDERATIONS

Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations.

Dispose of product and container carefully and responsibly.

Do not dispose of near ponds, ditches, down drains or onto soil.

14. TRANSPORT INFORMATION

Not classified as a dangerous good according to the criteria of the ADG Code

U.N. Number

None Allocated

Proper Shipping Name

None Allocated

DG Class

None Allocated

Hazchem Code

None Allocated

Packing Group

15. REGULATORY INFORMATION

Hazardous according to the criteria of the National Health and Occupational Health and Safety Commission

Classification

Harmful - Xn

Risk Phrases

R22 Harmful if swallowed

Safety Phrases

S2 KEEP OUT OF REACH OF CHILDREN

S24/25 avoid contact with skin and eyes

S37/39 wear suitable gloves and eye protection

S45 in case of accident or if you feel unwell, seek medical advice immediately

16. OTHER INFORMATION

IMPORTANT ADVICE: This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Airless Pty Ltd.

CONTACT POINT:

Customer Service

Tel No. (02) 9644 1040

Fax No. (02) 9644 3147

End of MSDS