

## Material Safety Data Sheet

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

Issue Date 18th May 2019

### 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**