



## SAFETY DATA SHEET - ADL- AUTO DISHWASH LIQUID

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### 1. IDENTIFICATION OF MATERIAL AND SUPPLIER

**PRODUCT NAME:** G.D. ADL - AUTO DISHWASH LIQUID

**Synonyms:** None

**Recommended use:** As an automatic dishwasher liquid for commercial and industrial use.

**Manufacturer:** G. D. PRODUCTS

ABN: 330 748 999 06

Street Address: 63 Old Maryborough Rd PIALBA 4655

P.O. Box 1000 HERVEY BAY Q 4655

**Telephone:** (07) 4124 6577

**Facsimile:** (07) 4124 7550

**Emergency telephone number:** 0412 246 748

**POISONS INFORMATION CENTRE AUSTRALIA Ph: 131 126**

**NEW ZEALAND Ph: 03 474 7000**

### 2. HAZARDS IDENTIFICATION

Hazardous according to criteria of the Australian Safety and Compensation Council.

Classified by the criteria of the Australian Dangerous Goods Code (ADG Code) as a Class 8 COOROSIVE LIQUID N.O.S. for transport by road or rail.

**RISK: CORROSIVE**

**Risk-phrases:** Causes severe burns.

**Safety-phrases:**

Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If on skin wash immediately with plenty of fresh water until skin is no longer slippery.

Wear suitable gloves eye/face protection and apron.

**SIGNAL WORD – HARMFUL**  
PICTOGRAM

**GHS CLASSIFICATION-class 2B**





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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL ENTITY	CAS No	PROPORTION W/V %
<b>Potassium Hydroxide</b>	<b>1310-58-3</b>	<b>10-30</b>
<b>Sodium Metasilicate</b>	<b>6834-92-0</b>	<b>&lt;10</b>
<b>Sodium Hypochlorite</b>	<b>7681-52-9</b>	<b>&lt; 10</b>
<b>Other ingredients including water determined to be non hazardous</b>		<b>to 100%</b>

### 4. FIRST AID MEASURES

**Ingestion:** Immediately rinse mouth with cold water. Do NOT induce vomiting. If available, give large quantity of water. Obtain medical attention.

**Eye contact:** Immediately flush with lukewarm, gently flowing water for 15 minutes. Remove contact lenses if present. Obtain medical attention.

**Skin contact:**

Flush with water until skin is no longer slippery. Obtain medical assistance if symptoms persist.

**Inhalation:**

If inhaled, remove from contaminated area. Give mouth-to-mouth resuscitation. Resuscitate in a well-ventilated area. Obtain medical attention immediately if there is difficulty in breathing.

**Notes to physician:**

The product is a blend of Potassium Hydroxide, sodium metasilicate and sodium hypochlorite. Suggest immediate intubation and gastric lavage.



## 5. FIRE FIGHTING MEASURES

### **Suitable extinguishing media:**

If material is involved in a major fire use water fog (or if unavailable fine water spray) to keep drums cool. Use appropriate methods to extinguish surrounding fires such as foam, dry agent (carbon dioxide, dry chemical powder) to extinguish fires.

### **Specific hazards:**

Small amounts of chlorine may be generated in large fires. Wear suitable protective gear.

### **Emergency procedures:**

CONTAIN. Wear full protective gear to prevent skin contact. If small amounts absorb into diatomaceous earth, sand, earth.

If larger amounts, contain liquid to prevent run off. Transfer to plastic containers using plastic scoops and funnels.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal Precautions, Protective Equipment and Emergency Procedures**

Clean up spills promptly to avoid accidents. Cover with absorbent material to remove excess. Wear full protective gear to prevent skin contact. If small amounts, absorb into diatomaceous earth, sand and earth.

If larger amounts, contain liquid to prevent run off. Transfer to plastic containers using plastic scoops and funnels.

## 7. HANDLING AND STORAGE

### **Precautions for safe handling:**

Wear water resistant clothing, chemical resistant boots and gloves with eye protection. Avoid skin and eye contact. Handle using good industrial hygiene practices. Wash contaminated clothing and washable equipment before storage or re-use.

### **Storage:**

Store according to local, State or Federal regulations as applicable for CORROSIVE LIQUID N.O.S. (CONTAINS POTASSIUM HYDROXIDE). Keep out of reach of children. Store in a cool, dry place and out of direct sunlight. Store away from foodstuffs.

Keep containers closed when not in use.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION



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### **National occupational exposure limits:**

The value assigned for this specific material by the Australian Safety and Compensation Council is TWA of 5 mg/Cubic metre as a maximum as for nuisance mists.

Exposure Standard (TWA) is the time –weighted average airborne concentration over an eight hour working day, for a five day week over an entire working life. According to current knowledge these concentrations should neither impair the health of, nor cause undue discomfort to nearly all workers.

These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. Exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity

### **Engineering measures:**

Control to below quoted Exposure Standards. Use with local exhaust ventilation. Keep containers closed when not in use. Do not smoke.

### **Personal protection equipment:**

Avoid contact. Gloves, eye / face shield and plastic apron if risk of splashes. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**Form/Colour/Odour:** liquid, pale straw with low chlorine odour.

**Solubility:** completely miscible with water.

**Specific gravity (20°C):** 1.16

**Melting point (C):** < 0

**Flash Point (°C) Closed cup:** not flammable

**Vapour Pressure (20°C)mm Hg:** N/D

**pH at use dilution (1%):** 12.6

**pH as supplied @ 25°C** >12

**Rel. Vapour density (air=1):** N/D

**Boiling Point (°C):** approx 100

**Decomposition Point (°C):** >50

**Flammability Limits (%):** not applicable

N/D = not determined. N/R =not relevant.



## 10. STABILITY AND REACTIVITY

**Stability:** Does not polymerise. Keep away from solvents. Keep containers in a cool dry place and closed when not in use to prevent loss of active constituents.

## 11. TOXICOLOGICAL INFORMATION

No adverse effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

### Acute Effects:

**Ingestion:** Corrosive to the digestive system.

**Eye contact:** Corrosive to eyes.

**Skin contact:** Corrosive to skin. Prolonged or repeated contact may lead to contact dermatitis by defatting the skin.

**Inhalation:** Corrosive to the respiratory tract.

### Long Term Effects:

Poison Information Centres in each State capital city can provide additional assistance for Scheduled Poisons: Phone: Australia - 13 1126.

### Acute toxicity/Chronic toxicity:

The major health hazard is corrosion of tissues.

LD50 (oral rat) not determined.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Avoid release to the aquatic environment. Do not allow to enter septic systems.

**Persistence/Degradability:** Not expected to be persistent in the natural environment.

Surfactant/s present are biodegradable to Australian Standards.

**Mobility:** Expected to be mobile in the aquatic environment.

## 13. DISPOSAL CONSIDERATIONS

**Disposal methods:** Large empty containers should be forwarded to an approved agent for recycling. Small containers should be tripple rinsed and sent to recycling or local waste disposal. Refer to State/Territory Land Waste Management Authority if in doubt.

## 14. TRANSPORTATION INFORMATION

Product name: G.D. ADL – AUTO DISHWASH LIQUID

Revised version: 01.07.2021



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Classified by the criteria of the Australian Dangerous Goods Code (ADG Code) as a CORROSIVE LIQUID N.O.S. for transport by road or rail.

**UN No: 1769 Class: 8 HAZCHEM CODE 2 R Packaging Group I I**

**Proper Shipping Name:** CORROSIVE LIQUID N.O.S. (CONTAINS POTASSIUM HYDROXIDE).

**Segregation Dangerous Goods:**

**Not to be sent with food or empty food containers, Class 4, Class 5. Keep away from heat.**

### 15. REGULATORY INFORMATION

**Poisons Schedule: Being and industrial product the S 6 scheduling is not relevant.**

All of the constituents of this material are listed in the Australian Inventory of Chemical Substances.

**UN 1769 Proper Shipping Name:** CORROSIVE LIQUID N.O.S. (CONTAINS POTASSIUM HYDROXIDE)

### 16. OTHER INFORMATION

**Literary reference:**

Approved Criteria for Classifying Hazardous substances [NOHSC:1008(1999)] and HSIS.

Australian Code for the preparation of Material Safety Data Sheets 2003

National Exposure Standards [NOHSC:1003(1995)]

List of designated hazardous substances and HSIS [NOHSC:10005(1999)].

Standard for the Uniform Scheduling of Drugs and Poisons.

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

Reason(s) For Issue – update of initial MSDS.

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product: and in particular how to safely handle and use the product in the workplace. Since G.D. PRODUCTS cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace i.e. a risk analysis.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact G.D. PRODUCTS.

REVISED VERSION\*\*-REASON FOR REVISION-GHS UPDATE-13.02.2017