



SAFETY DATA SHEET

GRANDEUR AUTODISHWASH LIQUID

1. IDENTIFICATION OF PRODUCT AND MANUFACTURER

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|---|---|
| Product name: | Grandeur Autodishwash Liquid |
| Other means of identification: | GAD5, GAD20, GAD200 |
| Recommended use of the chemical: | Automatic dishwash liquid |
| Suppliers details: | QualChem Products Limited 81 Ngaumutawa Road Masterton 5810 NEW ZEALAND Ph 06 370 1950 Fax 06 370 2270 |
| Emergency number: | 0800 764 766 (National Poisons Centre) |

2. HAZARD IDENTIFICATION

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|------------------------------|--|
| Dangerous Good: | Not classified as a dangerous good according to NZS 5433:1999 Transport of Dangerous Goods on Land. |
| Hazardous Substance: | Classified as hazardous according to the criteria in the HS (Minimum Degree of Hazard) regulation 2001. |
| HSNO classifications: | Subclass 6.1 Category E Substances that are acutely toxic. Subclass 8.2 Category C Substances that are corrosive to dermal tissue. Subclass 8.3 Category A Substances that are corrosive to ocular tissue. |
| Approval Code: | HSR002530 |
| GHS classification: | H303 – Maybe harmful if swallowed. H314 – Causes severe skin burns and eye damage. H318 – Causes serious eye damage. H433 – Harmful to terrestrial vertebrates. |

GHS label elements:
Hazard pictograms:



| | |
|----------------------------------|--|
| Signal word: | Danger |
| Precautionary statements: | Do not breathe dust or mist. P260 Wash skin thoroughly after handling. P264 Avoid release to the environment. P273 |



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Wear protective gloves/clothing and face protection. P280
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting P301 + P330 + P331
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse the skin with water. P303 + P361 + P353
IF INHALED: Remove person to fresh air and keep comfortable for breathing. P304 + P340
IF IN EYES: Rinse cautiously for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P305 + P351 + P338
Immediately call a POISON CENTRE. P310
Specific treatment, see supplemental first aid instruction (section 4). P321
Store locked up. P405
Dispose contents/container in accordance to local/regional/national/international regulations. P5001

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous ingredients: | C.A.S No: | Concentration: | Toxicological Data: |
|------------------------|-----------|----------------|-------------------------|
| Potassium Hydroxide | 1310-58-3 | 10-15% | LD50 273 mg/kg rat oral |

4. FIRST AID MEASURES

After contact with the eyes: Immediately rinse eyes with running water for at least 15 minutes. Seek medical attention if irritation persists.

After contact with the skin: Immediately rinse with running water for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion: Seek immediate medical attention. If conscious, give 3-4 glasses of milk (or if unavailable, water) DO NOT INDUCE VOMITING.

5. FIRE FIGHTING MEASURES

Extinguishing media:
Suitable: All

Special Fire Fighting Procedures: This product not is flammable.

Unusual Fire and Explosion Hazards:
Hazardous Product of combustion: Toxic organic vapours, amines and oxides of carbon and nitrogen and hydrogen chloride

6. ACCIDENTAL RELEASE MEASURES

Spills: Wear appropriate protective equipment and respirator where mists or vapours of unknown concentrations may be generated



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Large Spills: Do not allow the product to enter drains or waterways. Remove leaking containers to a detached area. Bund spill area and recover, consider recycling. Absorb spilled product with inert material (e.g. sand, earth etc.).

Floors may become slippery. NB vigorous flushing may generate copious foam.

Disposal: Dispose of waste to an approved waste disposal facility.

Cleaning of equipment: Clean with water.

7. HANDLING AND STORAGE

Handling: Measures to prevent fire and explosion: No special measures required. Avoid eye contact.

Storage: Do not contaminate drinking water, food or feed by storage or disposal.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: In processes where mists or vapours may be generated, proper ventilation must be provided in accordance with good ventilation practices.

Personal Protective Equipment

Eye Protection: Safety glasses/goggles

Hand Protection: PVC gloves

Skin and Body Protection: Protective clothing, PVC apron and boots

9. PHYSICAL AND CHEMICAL PROPERTIES

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|--------------------------------------|--------|
| Form: | Liquid |
| Colour: | Red |
| Odour: | N/D |
| Boiling Point (degree c): | 100°C |
| Flash Point (degree c): | N/D |
| Max, % Volatile: | N/D |
| Density at 20 degree c, g/ml: | N/D |
| Solubility in Water: | 100% |
| pH: | >12 |



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10. STABILITY AND REACTIVITY

Stability: Stable under normal operating conditions

Materials to Avoid: N/D

Hazardous Decomposition Products: N/A

Dangerous Reactions: None

11. TOXICOLOGICAL INFORMATION

Health Effects: Swallowed: Harmful if swallowed
Eye: Corrosive
Skin: Corrosive
Inhaled: Irritating if inhaled.

Acute oral Toxicity: N/D

Acute Dermal Toxicity: N/D

Skin Irritation: Wash contaminated area for 15 minutes; if irritation persists consult a doctor.

Eye Irritation: Flush well with water for 15 minutes, then consult a doctor.

Sensitisation: N/D

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: N/A

Avian Toxicity: N/A

13. DISPOSAL CONSIDERATIONS

1. Dispose of waste to an approved waste disposal facility.
2. Disposal of empty container: Triple rinse then send to the local council approved recycling facility.
3. Disposal of packaging: Send to the local council approved recycling facility.

14. TRANSPORT REGULATIONS



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U.N Number: 1760
Hazchem code: 2R
Proper Shipping Name: Corrosive Liquid N.O.S.
Packing Group: III
Dangerous Goods Class: 8

15. REGULATORY INFORMATION

EPA Approval Code: HSR002526
Group Standard: Cleaning products (Corrosive) Group Standard 2006
HSNO Classifications:
Subclass 6.1 Category E Substances that are acutely toxic.
Subclass 8.2 Category C Substances that are corrosive to dermal tissue.
Subclass 8.3 Category A Substances that are corrosive to ocular tissue.
Labelling: Caution – Keep out of reach of children.

16. OTHER INFORMATION

This Safety Data Sheet supersedes all previous issues. It summarises our best knowledge of the health and safety hazard of the product. All users should read this Safety Data Sheet and consider the information in context of how the product will be handled and used in the workplace, including in conjunction with other products. Since the actual use of this product is beyond the control of QUALCHEM PRODUCTS LTD, we make no warranty, expressed or implied, concerning the use of this product. It is the responsibility of users to ascertain that the product is suitable for intended applications.

N/A = NOT APPLICABLE, N/D = NO DATA AVAILABLE, N/E = NON ESTABLISHED