
IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Company: Cleaning Essentials On the Run
Address: 1 Audrey Court, Toowoomba, QLD, 4350
Phone: 4636 2679 Fax:4636 2677
Emergency Telephone Number: Poisons Information Centre 131126

Product Name: CHLORINATED AUTO DISHWASH LIQUID

Other Names: None
Manufacturer's Product Code: iceb
Recommended Use: Chlorinated Alkaline Liquid Detergent

HAZARDS IDENTIFICATION

**CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA
CLASSIFIED DANGEROUS GOODS ACCORDING TO THE CRITERIA OF THE ADG CODE FOR TRANSPORT.**

Risk Phrases: C: Corrosive R35

Safety Phrases: S2 -26-37/39-45

COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS

<i>Chemical Entity</i>	<i>CAS Number</i>	<i>Proportion (%)</i>
Potassium hydroxide	1310-58-3	10 – 30
Sodium Hydroxide	1310-73-2	< 10
Sodium hypochlorite as % chlorine	7681-52-9	<10
Ingredients determined not to be hazardous		to 100

FIRST AID MEASURES

FIRST AID TREATMENT

Swallowed: If swallowed, **DO NOT** induce vomiting. Give a glass of water to drink and seek medical advice.

Eye: If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor urgently.

Skin: If skin contact occurs, remove contaminated clothing and wash skin thoroughly. Wash clothing before reuse.

Inhaled: Remove victim from exposure if safe to do so. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume a comfortable position and keep warm. Seek medical assistance if symptoms persist.

First Aid facilities: Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

Advice to Doctor: Treat symptomatically.

Additional Information: None available.

FIRE FIGHTING MEASURES

Fire/Explosion Hazard: This product is not combustible. Exposure to high heat sources may cause decomposition of the product and the production of toxic fumes. Fire fighters to wear self-contained breathing apparatus in the event of a fire. Use water fog, or fine spray mist to extinguish.

Additional Information: Run off water may be alkaline. Hazchem code 2X.

ACCIDENTAL RELEASE MEASURES

Spills and Disposal: Spills may be slippery. Remove non-essential personnel from the area. Ensure that any acids or other products of incompatible classes near the spill are removed. Dam and recover. Prevent entry into drainage systems, sewers and waterways. Collect with inert absorbent material such as sand or earth. Consult Local Authority on disposal

Product: CHLORINATED AUTO DISHWASH LIQUID

HANDLING AND STORAGE

Precautions for Safe Handling and Storage: When not being used, the product containers should be stored upright, and secured with the original closure. Store in a cool area away from direct sunlight to reduce chemical breakdown. Also keep away from any acids. If transfer to another container becomes necessary, ensure that the container is clearly labelled, the container is of a type suitable for the product, and is clean and free of other materials. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands.

Dispensing: Always use clean and dry equipment to dispense the product. Dispenser should be cleaned before and after use. All dispensers should be washed out after use.

Flammability: Non-combustible material.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards: There are no exposure standards available for this product. Worksafe Australia has set an exposure standard of 2 mg/m³ for Potassium Hydroxide. Worksafe Australia have also set an exposure standard of 3 mg/m³ for Chlorine, which is a decomposition product of this material.

Personal Protective Equipment: Use sensible work practices that reduce operator exposure to the product. Protective clothing and equipment must be worn: chemically impervious gloves, safety glasses, overalls, waterproof apron and rubber boots. Respiratory protection should be used if there is a risk of exposure to high vapour concentrations. Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.

Engineering Controls: Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists. Keep containers closed when not in use.

IDENTIFICATION

PHYSICAL DESCRIPTION / CHEMICAL PROPERTIES

Appearance	Pale yellow liquid
Odour	Chlorine odour
Boiling Point (°C):	Approximately 100
Vapour Pressure (mmHg @ 20°C):	Not measured
Specific Gravity (g/ml @ 25°C):	1.18 – 1.20
Flashpoint (°C):	None
Flammability Limits (%):	Non flammable
Solubility in Water	Miscible with water
pH:	> 12

STABILITY AND REACTIVITY

Reactivity Hazards: The product under normal conditions of temperature and pressure. Do not store near high heat sources or acids. Reacts vigorously with acids producing dangerous gaseous chlorine. Incompatible with amines, ammonium salts, aziridine, methanol and phenylacetonitrile. Reacts with metal salts, peroxides and reducing agents.

TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

Acute:

Swallowed: Corrosive. Will cause severe irritation and possible chemical burns to the mouth and digestive tract.

Eye: Will cause severe irritation and reddening. Prolonged contact may cause permanent damage.

Skin: Will cause irritation to the skin. Prolonged contact may cause chemical burns.

Inhaled: Inhalation will cause irritation and possible chemical burns to the mucous membrane and upper airways, especially if the material is heated or mists are generated. Symptoms may include coughing, wheezing and shortness of breath. Inhalation of high concentration may lead to headache, dizziness, nausea, vomiting

Chronic: Prolonged or repeated exposure to this material may result in skin irritation leading to dermatitis.

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Skin: If skin contact occurs, remove contaminated clothing and wash skin thoroughly. Wash clothing before reuse.

Inhaled: Remove victim from exposure if safe to do so. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume a comfortable position and keep warm. Seek medical assistance if symptoms persist.

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ECOLOGICAL INFORMATION

Ecotoxicity: Concentrated product will harm environment. Ensure concentrated product is diluted well with water and carefully neutralised before disposal of according to Local Authority regulations.

DISPOSAL CONSIDERATIONS

Disposal Methods: Dilute well with water and carefully neutralise. Consult Local Authority on disposal.

TRANSPORT INFORMATION

UN Number:	1760	Proper Shipping Name:	Corrosive Liquid N.O.S. (alkaline)
Class:	8	Subsidiary Risk:	None allocated
Packing Group:	III	Hazchem Code:	2X

REGULATORY INFORMATION

Poisons Schedule: 6	Hazardous substances C: Corrosive R 35 Causes severe burns S 2 Keep Out of the Reach of Children S 26 In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice. S 37/39 Wear suitable gloves and eye /face protection. S 45 In case of accident or if you feel unwell, seek medical advice immediately [show the label whenever possible].
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OTHER INFORMATION

Further Information may be obtained by contacting the manufacturer on (07) 3166 0706.

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.

END OF MSDS