

Official  
Safety Data Sheet  
(SDS)

This SDS version supersedes  
all previous MSDS for the  
specified product.



Product: WC800  
Issue Date: 2023 MAY  
Issued by: PRS  
Version: 1.70  
Page: 1 of 9

**HAZARDOUS CHEMICAL, DANGEROUS GOODS**

**1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION**

Product name: **MARINER**

**Synonyms**

MARINER - HD CLEANER & SANITISER 5L  
MARINER - HD CLEANER & SANITISER 20 L  
MARINER - HD CLEANER & SANITISER 205L  
MARINER - 500L (MTO)  
MARINER - HD CLEANER & SANITISER 1000L

**Product Code**

WC800-5  
WC800-20  
WC800-205  
WC800-500  
WC800-1000

**Description:**

**MARINER** is an industrial strength degreaser, cleaner and disinfectant for use in both the Maritime and Food Processing Industries. This product is effective on a wide range of soils, greases, fats, and oils and performs excellently in potable or seawater. **MARINER** is the ideal product for the cleaning holds and bilges in the maritime industry or as a general heavy-duty cleaner in the food processing & industrial cleaning industries. Among other ingredient this product contains a powerful quaternary disinfectant that kills bacteria instantly and inhibits algae growth. The quaternary disinfectant less corrosive than Sodium Hypochlorite on metal surfaces and skin should users be exposed. This product meets the Australian Commonwealth Department of Primary Industry as a sanitizer/detergent for use in Food & Industrial establishments so you can use **MARINER** with confidence in most areas.

**Product AS SOLD**

*Classified as hazardous according to the criteria of Safe Work Australia. Contact with EYES/SKIN is not considered as recommended use of the product. Avoid direct sprays or contact with EYES/SKIN as it can cause serious EYE DAMAGE or SKIN CORROSION.*

**Use & Dilution Recommendations:**

**MARINER** is designed for use as a hold & bilge cleaner. Also recommended for general cleaning and sanitising of rigs, ships, vessels, slipways, food processing and abattoir equipment, weathered aluminium truck bodies, engine and equipment degreasing. **MARINER** is suitable for use with all types of mechanical cleaning and spraying equipment.

**How to use:** For Heavy Duty Degreasing, neat or up to 1 part to 4 parts water. For Normal Duty Disinfecting Cleaning, up to 1 part of **MARINER** to 50 parts water. When used in food establishments, rinse away all residues with potable water. Safe on most painted surfaces however we recommend performing a small test patch first.

**BENEFITS & TIPS**

- MULTI-PURPOSE CLEANER
- KILLS BACTERIA
- INHIBITS ALGAE GROWTH
- AQIS APPROVED
- DEGREASER DETERGENT
- ECONOMICAL
- 3 IN 1 PRODUCT
- ECONOMICAL

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**Supplier:** Able Westchem  
**ABN:** 009 353 182  
**Street Address:** 273 Collier Road  
Bayswater, WA 6053  
Australia  
**Telephone:** +61 8 9471 9111

**Emergency Telephone number:** +61 8 9471 9111 (8.00am-4.30pm: Mon-Fri, AWST)

## 2. HAZARDS IDENTIFICATION

This material is hazardous according to health criteria of Safe Work Australia.



**Signal Word**  
Danger

### Hazard Classifications

Skin Corrosion/Irritation - Category 1A  
Serious Eye Damage/Irritation - Category 1

### Hazard Statement

H314 Causes severe skin burns and eye damage.

### Prevention Precautionary Statements

P102 Keep out of reach of children.  
P103 Read label before use.  
P260 Do not breathe dust, fume, gas, mist, vapours or spray.  
P264 Wash hands, face and all exposed skin thoroughly after handling.  
P280 Wear protective clothing, gloves, eye/face protection and suitable respirator.

### Response Precautionary Statements

P101 If medical advice is needed, have product container or label at hand.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P321 Specific treatment (see Always refer to information on the label product label).  
P363 Wash contaminated clothing before reuse.

### Storage Precautionary Statement

P405 Store locked up.

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### Disposal Precautionary Statement

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

**Poison Schedule:** S6. Poison

### DANGEROUS GOOD CLASSIFICATION

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

**Dangerous Goods Class:** 8

### 3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
Benzalkonium chloride	68424-85-1	1-10 % (w/w)
Potassium hydroxide	1310-58-3	1-10 % (w/w)
Sodium silicate	6834-92-0	1-10 % (w/w)
Ingredients determined to be Non-Hazardous		Balance

### 4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

**Inhalation:** Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

**Skin Contact:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.

**Eye contact:** Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical centre.

**Ingestion:** Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

**Notes to physician:** Treat symptomatically. Can cause corneal burns.

### 5. FIRE FIGHTING MEASURES

**Hazchem Code:** 2R

**Suitable extinguishing media:** If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

**Specific hazards:** Non-combustible material.

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**Firefighting further advice:** Not combustible, however following evaporation of aqueous component residual material can burn if ignited.

## 6. ACCIDENTAL RELEASE MEASURES

### SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapour. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

### LARGE SPILLS

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.

**Dangerous Goods – Initial Emergency Response Guide No: 37**

## 7. HANDLING AND STORAGE

**Handling:** Avoid eye contact and skin contact. Avoid inhalation of vapour.

**Storage:** Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

This material is classified as a Class 8 Corrosive as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and/or the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.

This material is a Scheduled Poison Schedule 6 (Poison) and must be stored, maintained and used in accordance with the relevant regulations.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**National occupational exposure limits:**

	TWA		STEL		NOTICES
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Potassium hydroxide	-	2 Peak limitation	-	-	-

As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15-minute period which should not be exceeded at any time during a normal eight-hour workday.

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

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toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

**Biological Limit Values:** As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

**Engineering Measures:** Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected.

**Personal Protection Equipment:**

**Special Note:**

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

The selection of PPE is dependent on a full risk assessment. The risk assessment should consider the work situation, physical form of chemical, handling volume and methods, environmental factors/ application area.

If the outcome of risk assessment is considerably low, still manufacturer recommends to use minimum PPE stipulated by the chemical industry practices. Ex: Safety Glasses, Impervious Gloves and suitable protective clothing such as long sleeve clothes with buttoned at neck and wrist, Safety shoes

PROTECTIVE CLOTHES, GLOVES, SAFETY SHOES, SAFETY GLASSES.



If spill risk exists; Wear suitable protective clothing covers unprotected exposed skin area with an Overall and Safety Shoes. If the handling volume is large, chemical resistant Apron must be worn at all times to avoid any injuries.

Available information suggests that gloves made from natural rubber, nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Hygiene measures:** Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of vapour. Ensure that eyewash stations and safety showers are close to the workstation location.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Base Units:</b>	Litres
<b>Form:</b>	Clear Liquid
<b>Colour:</b>	Clear red liquid
<b>Odour:</b>	Slight Odour

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<b>Solubility in water:</b>	Completely soluble
<b>Specific Gravity (20 °C):</b>	1.06 - 1.10
<b>Vapour Pressure (20 °C):</b>	18 mm Hg at 25°C
<b>Flash Point (°C):</b>	Not applicable
<b>Boiling Point/Range (°C):</b>	> 100°C
<b>pH:</b>	13.0 - 14.0

(Typical values only - consult specification sheet)  
N Av = Not available, N App = Not applicable

## 10. STABILITY AND REACTIVITY

**Chemical stability:** This material is thermally stable when stored and used as directed.

**Conditions to avoid:** Elevated temperatures and sources of ignition.

**Incompatible materials:** Oxidising agents.

**Hazardous decomposition products:** Oxides of carbon and nitrogen, smoke and other toxic fumes.

**Hazardous reactions:** No known hazardous reactions.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### Acute Effects

**Inhalation:** Material may be an irritant to mucous membranes and respiratory tract.

**Skin contact:** Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns.

**Ingestion:** Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.

**Eye contact:** A severe eye irritant. Corrosive to eyes: contact can cause corneal burns. Contamination of eyes can result in permanent injury.

### Acute toxicity

**Inhalation:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >20 mg/L

**Skin contact:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

**Ingestion:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

**Corrosion/Irritancy:** Eye: this material has been classified as a Category 1 Hazard (irreversible effects to eyes). Skin: this material has been classified as a Category 1A Hazard (irreversible effects to skin).

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**Sensitisation:** Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.

**Aspiration hazard:** This material has been classified as non-hazardous.

**Specific target organ toxicity (single exposure):** This material has been classified as non-hazardous.

**Chronic Toxicity**

**Mutagenicity:** This material has been classified as non-hazardous.

**Carcinogenicity:** This material has been classified as non-hazardous.

**Reproductive toxicity (including via lactation):** This material has been classified as non-hazardous.

**Specific target organ toxicity (repeat exposure):** This material has been classified as non-hazardous.

**12. ECOLOGICAL INFORMATION**

Avoid contaminating waterways.

**Acute aquatic hazard:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

**Long-term aquatic hazard:** This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log  $K_{ow}$  < 4.

**Eco toxicity:** No information available.

**Persistence and degradability:** No information available.

**Bio accumulative potential:** No information available.

**Mobility:** No information available.

**13. DISPOSAL CONSIDERATIONS**

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

**14. TRANSPORT INFORMATION**

**ROAD AND RAIL TRANSPORT**

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

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**UN No:** 1760  
**Dangerous Goods Class:** 8  
**Packing Group:** II  
**Hazchem Code:** 2X  
**Emergency Response Guide No:** 37

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

**Segregation Dangerous Goods:** Not to be loaded with explosives (Class 1), dangerous when wet substances (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2), radioactive substances (Class 7) or food and food packaging in any quantity. Note 1: Concentrated strong alkalis are incompatible with concentrated strong acids. Note 2: Concentrated strong acids are incompatible with concentrated strong alkalis. Note 3: Acids are incompatible with Dangerous Goods of Class 6 which are cyanides. Exemptions may apply.

#### MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.



**UN No:** 1760  
**Dangerous Goods Class:** 8  
**Packing Group:** II

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

#### AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.



**UN No:** 1760  
**Dangerous Goods Class:** 8  
**Packing Group:** II

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

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## 15. REGULATORY INFORMATION

**This material is not subject to the following international agreements:**

Montreal Protocol (Ozone depleting substances)  
The Stockholm Convention (Persistent Organic Pollutants)  
The Rotterdam Convention (Prior Informed Consent)  
Basel Convention (Hazardous Waste)

**This material/constituent(s) is covered by the following requirements:**

- The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth).
- All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).
- International Convention for the Prevention of Pollution from Ships (MARPOL) Annex V.

## 16. OTHER INFORMATION

Reasons for issue: Periodic review & update of SDS, included MARPOL declaration.  
Issue date: 23/05/2023  
Version: 1.70  
Able Rating: Red - Alkali

### DISCLAIMER:

The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. This product was classified according to Globally Harmonised System of Classification and Labelling of Chemicals (GHS) Revision Version 07.

***This product meets the criteria for not being harmful to the marine environment according to MARPOL Annex V and may be discharged in to sea as per Regulation 4, 5 & 6.***

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