



Keeping it in the Community

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Derby  
Perth

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## SAFETY DATA SHEET

**Progressive Supplies** Sales - Service - Supplies - Local Support

### 1 Identification

#### GHS Product Identifier

**PRO BLEACH 4%**

#### Other means of identification

No Information provided.

#### Recommended use of the chemical and restriction on use

As a bleaching and sanitising agent.

#### Supplier's details

*5 Heads Pty Ltd trading as:*

Perth Progressive Supplies, **Street Address:** 230 Gnangara Rd, Landsdale WA 6065

**Ph:** 08 9303 9290

**E:** perthsales@progressivesupplies.com.au

Broome Progressive Supplies, **Street Address:** 7 Haynes Street, Broome WA 6725

**Ph:** 08 9192 6200

**E:** sales@progressivesupplies.com.au

Derby Progressive Supplies, **Street Address:** 24 Clarendon St Derby WA 6728

**Ph:** 08 9191 1000

**E:** derby@progressivesupplies.com.au

**ACN:** 098 396 546

#### Emergency phone number

National Poisons Information Centre: Phone Australia 13 11 26.

### 2 Hazard(s) identification

#### Classification of the substance or mixture

**THIS MATERIAL IS HAZARDOUS ACCORDING TO HEALTH CRITERIA OF SAFE WORK AUSTRALIA.**

#### GHS label elements



Causes skin irritation



Causes serious eye damage



Very toxic to aquatic life

Wash up thoroughly after handling.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician.

Specific treatment (see first aid in SDS or on this label).

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

Collect spillage.

Dispose of contents/container to accordance with relevant regulations.

#### **Other hazards which do not result in classification**

No Information provided.

### **3 Composition/information on ingredients**

<b>Description</b>	<b>CAS Number</b>	<b>EINECS Number</b>	<b>%</b>	<b>Note</b>
sodium hypochlorite	7681-52-9		10 - 30	from 12.5% solution
water and other no - hazardous substances			0 - 60	

### **4 First-aid measures**

#### **Description of necessary first-aid measures**

##### **Swallowed:**

Immediately rinse mouth with water. If swallowed, **DO NOT** induce vomiting. Give a glass of water to drink. Seek urgent medical assistance.

##### **Eye:**

If material is splashed into eyes, immediately, flush with plenty of water for 15 minutes, ensuring eye lids are held open. If irritation persists transport to hospital or doctor.

##### **Skin:**

If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with soap and water. If irritation persists transport to hospital or doctor.

##### **Inhaled:**

Move victim to fresh air. Apply resuscitation if victim is not breathing.

**Advice to Doctor:** Product is a solution of sodium hypochlorite. If swallowed, treat with antacids to neutralise hypochlorous acid that may form in the stomach, then treat as for alkaline materials. Treat symptomatically. In case of poisoning, contact Poisons Information Centre In Australia call Tel: 131126

#### **Most important symptoms/effects, acute and delayed**

May cause irritation to the eyes and skin.

### **Indication of immediate medical attention and special treatment needed, if necessary**

Product is a solution of sodium hypochlorite.

If swallowed, treat with antacids to neutralise hypochlorous acid that may form in the stomach, then treat as for alkaline materials.

### **Treat symptomatically.**

In case of poisoning, contact Poisons Information Centre In Australia call Tel: **131126**

## **5 Fire-fighting measures**

### **Suitable extinguishing media**

Use an extinguishing agent suitable for the surrounding fire.

Use dry chemical, carbon dioxide, foam or water fog.

### **Specific hazards arising from the chemical**

If tanks, drums or containers of this material are heated, they may rupture and project corrosive materials over a wide area.

Non flammable. May evolve toxic gases (chlorine) when heated to decomposition.

### **Special protective actions for fire-fighters**

**Fire/Explosion Hazard** If safe to do so, move undamaged containers from fire area. Hazardous Decomposition Products: Decomposes on heating emitting toxic oxides of chlorine.

**Fire Fighting Procedures:** Fire fighters to wear Self-contained breathing apparatus (SCBA) in confined spaces, in oxygen deficient atmospheres or if exposed to products of decomposition. Full protective clothing is also recommended. If possible to do so safely, shut off fuel to fire. Use water spray to spray to cool fire-exposed surfaces and to protect personnel.

**Hazchem code:** None allocated.

## **6 Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures**

Material may be slippery when spilt. Walk cautiously. Ventilate area. Wear protective equipment to prevent skin and eye contact, as outlined under personal protection in this SDS.

### **Environmental precautions**

Bund area using sand or soil - to prevent run off into drains and waterways.

### **Methods and materials for containment and cleaning up**

Use absorbent (soil, sand, vermiculite or other inert material). Collect and seal in properly labelled containers for disposal.

## **7 Handling and storage**

### **Precautions for safe handling**

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation.

Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

### Conditions for safe storage, including any incompatibilities

Store in a cool place and out of direct sunlight.  
Store away from sources of heat or ignition.  
Store away from oxidizing agents.  
Keep containers closed, when not using the product.  
Store in original packages as approved by manufacturer.

## 8 Exposure controls/personal protection

### Control parameters

#### National occupational exposure limits:

	TWA		STEL		NOTICES
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Chlorine	1 Peak limitation	3 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 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.

### Appropriate engineering controls

**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.

### Individual protection measures

**This product is hazardous; however it will bleach clothing and skin. The following protective clothing should be worn when handling product directly.**

**GLOVES:** PVC or natural rubber.

**EYES:** Chemical goggles or face shield to protect eyes.

**RESPIRATORY PROTECTION:** Avoid breathing of vapours/gases. The use of a respirator is not normally required, however, if high vapour levels are present, then select and use respirators in accordance with AS/NZS 1715/1716. The use of a P1 respirator with replaceable filters is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant. If entering spaces where the airborne concentration of a contaminant is unknown then

the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended.

**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, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9 Physical and chemical properties

### Physical and chemical properties

**Appearance:** Clear slightly yellow liquid  
**Boiling Point Melting Point:** 100°C approx  
**Vapour Pressure:** Not available  
**Specific Gravity:** 1.08  
**Flash Point:** None  
**Flammability Limits:** Not flammable  
**Solubility in Water:** All proportions

### Other Properties

pH (as is): 11.5 - 12.5  
**Odour:** Chlorine

## 10 Stability and reactivity

### Reactivity

Contact with acids may liberate toxic chlorine gas.

### Chemical stability

Stable under normal conditions of use.

### Possibility of hazardous reactions

Polymerization is not expected to occur.

### Conditions to avoid

Heat, flames, ignition sources and incompatibles.

### Incompatible materials

Incompatible (sometimes violently) with oxidising agents (e.g. hypochlorites), acids (especially hydrochloric - evolving chlorine gas), organic materials, reducing agents (e.g. sulphites), metallic powders, amines, ammonia and heat sources.

### Hazardous decomposition products

May evolve oxides of chlorine when heated to decomposition.

## 11 Toxicological information

### Toxicological (health) effects

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

overexposure occurs are:

**Information on the likely routes of exposure**

No Information provided.

**Symptoms related to the physical, chemical and toxicological characteristics**

**ACUTE HEALTH EFFECTS:** Swallowed: Will cause burns to the mouth, mucous membranes, throat, oesophagus and stomach. If sufficient quantities are ingested (swallowed) death may occur.

**Eye:** Will cause burns to the eyes with effects including: Pain, tearing, conjunctivitis and if duration of exposure is long enough, blindness will occur.

**Skin:** Will cause burns to the skin, with effects including; Redness, blistering, localised pain and dermatitis.

**Inhaled:** Toxic if inhaled. Will cause severe irritation to the nose, throat and respiratory system with effects including: Dizziness, headache, coughing, loss of co-ordination, chest pains, respiratory paralysis and or failure.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Chronic:** Prolonged or repeated skin contact will lead to necrosis (death) of the skin. Prolonged or repeated exposure or deliberately concentrating and inhaling the vapour(s) may result in lung function incapacity or death.

**Numerical measures of toxicity (such as acute toxicity estimates)**

There is no other toxicological information available for this product.

**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 LD50 (Mice): 5800 mg/kg ( Sodium Hypochlorite )

**Interactive effects**

No Information provided.

**Where specific chemical data are not available**

No Information provided.

**Mixtures**

No Information provided.

**Mixture versus ingredient information**

No Information provided.

**Other information**

No Information provided.

## 12 Ecological information

### Toxicity

Hypochlorites are extremely toxic to fish; Exposure to 0.5 % over 96 hours resulted in death of trout.

### Persistence and degradability

Hypochlorites are non-persistent in the environment and there is no accumulation potential as they gradually decompose into a salt and oxygen.

### Bioaccumulative potential

Hypochlorites are non-persistent in the environment and there is no accumulation potential as they gradually decompose into a salt and oxygen.

### Mobility in soil

May leach to groundwater with resultant toxicity to aquatic organisms.

### Other adverse effects

This substance may cause long term adverse effects in the aquatic environment.

## 13 Disposal considerations

### Disposal methods

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Normally suitable for disposal by approved waste disposal agent.

## 14 Transport information

### UN Number

NONE ALLOCATED.

### UN Proper Shipping Name

NONE ALLOCATED.

### Transport hazard class(es)

#### **ROAD AND RAIL TRANSPORT**

Not 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".

#### **MARINE TRANSPORT**

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

### Packing group, if applicable

NONE ALLOCATED.

### Environmental hazards

In large concentrations, this product is detrimental to the aquatic environment.

### Special precautions for user

No Information provided.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No Information provided.

**15 Regulatory information**

**Safety, health and environmental regulations specific for the product in question**

**Poison Schedule:** Classified as a Schedule 5 (S5) Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Inventory Status:**

Inventory	Status
Australia (AICS)	All materials are listed

**16 Other information**

**Other information**

**Key Legend Information:**

**NOHSC** -National Occupational Health & Safety Commission {Formerly Worksafe}[Aust]

**SUSDP** -Standard for the Uniform Scheduling of Drugs and Poisons [Aust]

**TWA** -Time Weighted Average [Int]

**STEL** -Short Term Exposure Limit [Int]

**AICS** -Australian Inventory of Chemical Substances

**EPA** -Environmental Protection Agency [Int]

**NIOSH** -National Institute for Occupational Safety and Health [US]

**AS/NZS 1715** -Selection, use and maintenance of respiratory protective devices. [Aust/NZ]

**AS/NZS 1716** -Respiratory protective devices. [Aust/NZ]

**IATA** -International Aviation Transport Authority [Int]

**ICAO** -International Civil Aviation Organization [Int]

**IMO** -International Maritime Organisation. [Int]

**IMDG** -International Maritime Dangerous Goods [Int]

United Nations Recommendations for the Transport of Dangerous Goods and Globally Harmonized System for the classification and labelling of Chemicals. [Int]

**EU** -European Union

[Aust/NZ] = Australian New Zealand

[Int] = International

[US] = United States of America

Removal of the heading of *Poison Schedule [Aust]*, in section 3 and 15 of this Safety Data Sheet (SDS) makes this a valid health and safety document in other international jurisdictions/countries. For full compliance please contact your Federal, State or Local regulators for further information.

THIS SDS SUMMARISES 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 MUST REVIEW THE SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY, SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS.

OUR RESPONSIBILITY FOR PRODUCT SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

This information was prepared in good faith from the best information available at the time of issue. It



is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken. Safety Data Sheets are updated frequently. Please ensure you have a current copy.

Please read all labels carefully before using product.

**Principal References:**

Information supplied by manufacturer, reference sources including the public domain.

**END OF SDS**