



# Safety Data Sheet

## 1. Identification

Trade name of product	: Drain Power
Other Shipping Name	: None allocated
Supplier Address	: Ozkleen Asia-Pacific Pty Ltd 111 Lahrs Road Ormeau Queensland 4208 Australia
Supplier Contact Details	: Phone: +61 (0)7 5549 4777, <a href="http://www.ozkleen.com.au">www.ozkleen.com.au</a>
Emergency telephone number	: +61 (0)7 5549 4777 (09:00-17:00). Poisons Information 131126
Material uses	: Drain, cleaner
Date of issue	: 23 December 2019

## 2. Hazards identification

Classified as **DANGEROUS GOODS** by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

This material is **HAZARDOUS** according to the criteria of Safe Work Australia.

### Hazard Categories

Eye Damage – Category 1

Skin Corrosion - Category 1

Corrosive to Metals – Category 1



**Signal Word:** DANGER

### Hazard Statements:

Causes serious eye damage. Causes skin irritation. May be corrosive to metals.

### Precautionary Statements:

#### Prevention:

Wear eye protection and protective gloves. Wash hands thoroughly after handling. Do not breathe dusts or mists. Do not eat, drink or smoke when using this product. Keep only in original container.

#### Response:

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 Centre or a doctor.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor. Specific treatment (see section 4 of the SDS)

Absorb spillage to prevent material damage.

## Product Name: DRAIN POWER

**Storage:** Store locked up in a corrosion resistant container, in accordance with local regulations.

**Disposal:** Dispose of contents/container in accordance with local regulations.

**General Phrases:** Keep out of reach of children.

### 3. Composition/information on ingredients

Ingredient name	CAS number	Proportion %	TWA mg/m <sup>3</sup>	STEL mg / m <sup>3</sup>
Potassium hydroxide	1310-58-3	<3	2 (peak)	Not listed

Ingredients determined not to be hazardous according to Safe Work Australia criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

### 4. First-aid measures

- Eye contact** : Rinse with plenty of running water. Seek medical advice if symptoms persist.
- Skin contact** : Remove contaminated clothing (Wash before re use). Then rinse with plenty of water. Seek medical advice if symptoms occur.
- Inhalation** : Remove to fresh air. Seek medical advice if symptoms occur.
- Ingestion** : Do NOT induce vomiting. Rinse mouth. Give water to drink. Seek medical advice if symptoms occur.
- Notes to physician** : Treat symptomatically. May cause corneal burns.

### 5. Fire-fighting measures

- Extinguishing media** : Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).
- Specific Hazards arising from the chemical** : Under fire conditions this product may emit irritating fumes including carbon monoxide and carbon dioxide.
- Special protective equipment and precautions for fire-fighters** : Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA).
- Hazchem Code** : 2R

### 6. Accidental release measures

- Spills** : Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency services.
- Personal precautions** : Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation.
- Environmental precautions** : Contain large spills/releases using appropriate bunding or capping. Prevent entry into drainage systems, sewers and waterways.
- Methods for cleaning up** : Slippery when spilt. Avoid accidents, clean up immediately. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Neutralise residues with dilute acid. Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water.

**Note:** see section 8 for personal protective equipment and section 13 for waste disposal.

## **7. Handling and storage**

- Handling** : Use clean dispensing equipment. Use appropriate PPE. Ensure a high level of personal hygiene is maintained when using this product. Avoid skin and eye contact and breathing in vapour, mists and aerosols. Keep out of reach of children.
- Storage** : Store in a cool, dry, well ventilated place. Store away from incompatible materials described in Section 10. Do not store in aluminium or galvanised containers nor use die-cast zinc or aluminium bungs; steel bungs should be used. Store away from foodstuffs. Keep containers closed when not in use - check regularly for leaks.

## **8. Exposure controls/personal protection**

- Occupational exposure limits** : No information available on the product itself. Values for specific hazardous ingredients are shown in section 3.
- Engineering measures** : Use sensible work practices that reduce operator exposure to the product. Ensure that adequate ventilation is provided, and air is moving constantly in the area of use while drum is open. Keep containers closed when not in use.
- Personal Protection**
- Eyes** : Safety glasses/goggles. Eye protection should conform to AS/NZS 1337 Eye protectors for industrial applications. An eyewash facility should be available.
- Hands** : Chemical resistant gloves. Refer to AS/NZS 2161.1 Occupational protective gloves – Selection use and maintenance.
- Respiratory** : If determined by a risk assessment an inhalation risk exists, wear a suitable mist respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.
- Skin** : Long sleeves/trousers/chemical resistant boots. Wear appropriate clothing, including a chemical resistant apron, where clothing is likely to be contaminated

## **9. Physical and chemical properties**

- Physical state** : Liquid
- Colour** : Pink
- Odour** : Nil
- pH** : 14
- Flash point (°C)** : NA
- Boiling point (°C)** : 100 (approx.)
- Specific Gravity (g/ml @ 25°C)** : 1.02 – 1.04
- Solubility in water** : Absolute

## **10. Stability and reactivity**

- Reactivity** : Reacts violently with acids. Reacts with ammonium salts liberating ammonia gas. Corrosive to aluminium, tin, and zinc.
- Stability** : Stable under normal storage conditions
- Possibility of Hazardous Reactions** : Corrosive to many metals liberating flammable hydrogen gas. Reacts readily with various reducing sugars (i.e. fructose, galactose, maltose, dry whey solids) to produce carbon monoxide. Take precautions including monitoring the tank atmosphere for carbon monoxide to ensure safety of personnel before vessel entry.
- Conditions to avoid** : Avoid contact with food stuffs
- Incompatible Materials** : Incompatible with acids, ammonium salts and many metals.

## 11. Toxicological. information

### Potential acute health effects

No acute health effects expected if the product is handled in accordance with instructions provided by the manufacturer. Symptoms that may result if the product is mishandled or if overexposure occurs include:

- Ingestion** : Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.
- Skin** : Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns.
- Eye** : A severe eye irritant. Corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury.
- Inhalation:** : Inhalation of fine mists may cause irritation to the respiratory tract and nasal passages.

## 12. Ecological information

### Ecotoxicity data

- Persistence/degradability** : Expected to be biodegradable.
- Mobility in Soil** : No known significant effects.
- Other adverse effects** : Expected to be harmful to aquatic species due to high pH.

## 13. Disposal considerations

- Methods of disposal** : Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site.

## 14. Transport information

Regulation	UN Number	Proper shipping name	Class	Packing group	Additional information
ADG	1814	POTASSIUM HYDROXIDE SOLUTION	8	II	Hazchem 2R

## 15. Regulatory information

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**Signal Word:** DANGER

### **Hazard Statements:**

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### **Precautionary Statements:**

**Prevention:**

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**Storage:** Store locked up in a corrosion resistant container, in accordance with local regulations.

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**General Phrases:** Keep out of reach of children.

## 16. Other information

### Literature References

: : Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.  
Standard for the Uniform Scheduling of Medicines and Poisons.  
Australian Code of Practice for Transport of Dangerous Goods by Road & Rail.  
Workplace exposure standards, Safe Work Australia.  
Hazardous Substances/Chemicals Information System, Safe Work Australia.  
Globally Harmonised System of Classification and Labelling of Chemicals.  
Raw materials supplier's SDS

### Prepared by

: **Australian Chemical Services Pty Ltd (0411 863 178)**

This Safety Data Sheet is the first issue under the direction of the PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS. The information sourced for the preparation of this document was correct and complete at the time or 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 SAFETY DATA SHEET**