

# Material Safety Data Sheet

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### POWER CLEAN TWO

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Classified as **Hazardous** according to criteria of NOHSC<sup>1</sup> and **Dangerous Goods** according to the ADG Code<sup>2</sup>

|                    |      |                     |                |                        |     |
|--------------------|------|---------------------|----------------|------------------------|-----|
| <b>UN NO.....:</b> | 1719 | <b>D.G. Class.:</b> | 8              | <b>Pack. Group...:</b> | III |
| <b>HAZCHEM:</b>    | 2R   | <b>SUB. RISK.:</b>  | None allocated | <b>SUSDP.....:</b>     | S5  |

**PROPER SHIPPING NAME:** CAUSTIC ALKALI LIQUID, N.O.S. ( Sodium hydroxide & sodium metasilicate <10%)

**PRODUCT USE:** Cleaning, mopping, spray and wipe off.

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

| Component         | CAS No                    | Weight % |
|-------------------|---------------------------|----------|
| Surfactant        | Not hazardous             | <10      |
| 2-Butoxyethanol   | 111-76-2                  | <10      |
| Other ingredients | Not required <sup>a</sup> | <1       |
| Water             | Not required              | 70-90    |

See Section 8, Exposure Controls / Personal Protection

## 3. HAZARDS IDENTIFICATION

Causes burns.

## 4. FIRST AID MEASURES

**Eyes:** Immediately flush with water for 15 minutes. Get immediate medical attention. Continue rinsing eye until medical attention arrives. Possible caustic alkali burns.

**Skin:** Take off all contaminated clothing. Thoroughly wash contaminated area with water. Consult a physician if irritation develops or persists. Possible caustic alkali burns.

**Inhalation:** Remove to fresh air. If breathing difficulties occur give artificial respiration. Consult a

physician immediately. Possible caustic alkali burns.  
**Ingestion:** Do not induce vomiting. Get medical attention immediately.  
**First Aid** Premises handling this material should be equipped with a safety shower and eye wash facilities.  
**Facilities:** facilities.

## 5. FIRE FIGHTING MEASURES

Flash Point ..... Not applicable  
 Auto-ignition Temperature ..... Not applicable  
 Lower Explosive Limit ..... Not applicable  
 Upper Explosive Limit ..... Not applicable

### Suitable Extinguishing Media:

Use foam, water spray, CO2 or dry powder as applicable to surrounding fire.

### Protective Equipment for Fire Fighting:

Thermal decomposition can release hazardous fumes.

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

Caution: Floor may be slippery. Provide sufficient ventilation. Wear personal protective equipment to prevent contact with skin and eyes.

Do not allow into drains or waterways. Take up with inert absorbent material (sand, universal absorbent).

Dispose of empty containers in accordance with federal, state and local laws.

## 7. HANDLING AND STORAGE

UN 1719 CLASS 8 CORROSIVE – Transport and store in accordance with dangerous goods requirements. Wear personal protective equipment to prevent contact with skin and eyes.

Keep containers tightly closed and store in a cool, well-ventilated area.

Store away from acids and other incompatible materials.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Limit Information

| Ingredient          | NOHSC <sup>1</sup> |                      |       |                      |
|---------------------|--------------------|----------------------|-------|----------------------|
|                     | TWA                |                      | STEL  |                      |
|                     | (ppm)              | (mg/m <sup>3</sup> ) | (ppm) | (mg/m <sup>3</sup> ) |
| Surfactant          | a                  | -                    | a     | -                    |
| 2-Butoxyethanol     | 25                 | -                    | a     | -                    |
| Sodium hydroxide    | -                  | 2b                   | -     | -                    |
| Sodium metasilicate | a                  | -                    | a     | -                    |

a = not listed

b = peak limitation

TWA = Time Weighted Average

STEL= Short term Exposure Limit

<sup>1</sup> National Occupational Health and Safety Commission (Australia)

### Respiratory Protection

If vapours and mists occur, a respiratory protection program meeting Australian and New Zealand Standards AS/NZS 1716 and AS/NZS1715 requirements must be followed whenever workplace conditions warrant a respirator's use. None required if airborne concentrations are maintained below the exposure limit listed in "Exposure Limit Information"

### **Eye Protection**

Use chemical splash goggles (Australian Standard AS-1337) or approved equivalent. Eye protection worn must be compatible with respiratory protection system employed.

### **Hand Protection**

Nitrile, neoprene or other impervious and alkali resistant gloves, and protective clothing as necessary to prevent skin contact.

### **Engineering Controls (Ventilation)**

Use local exhaust ventilation sufficient to maintain exposure levels below exposure limit concentrations. Refer to Australian Standard AS-1668.

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## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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|                                    |                      |
|------------------------------------|----------------------|
| Appearance and colour .....        | Red                  |
| State .....                        | Liquid               |
| Odour Characteristic .....         | Light                |
| pH .....                           | 7 - 8 %              |
| Viscosity .....                    | Not specified        |
| Specific Gravity (Water = 1) ..... | N / a                |
| Vapour Density (Air = 1) .....     | Not specified        |
| Vapour Pressure .....              | Not determined       |
| Melting Point .....                | Not determined       |
| Boiling Point .....                | 100°C initial, water |
| Solubility in Water .....          | Completely soluble   |
| Flash Point .....                  | Not applicable       |

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## **10. STABILITY AND REACTIVITY**

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### **Hazardous reactions**

Violent, exothermic reaction with acids. Corrosive to non-ferrous metals.

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## **11. TOXICOLOGICAL INFORMATION**

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### **Acute Data**

|             |                                    |
|-------------|------------------------------------|
| Skin:       | Light Corrosive Can Irritate Skin. |
| Eyes:       | Corrosive. Will Irritate           |
| Inhalation: | Not Affected                       |
| Ingestion:  | Light Corrosive Can Make Sickness  |

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## **12. ECOLOGICAL INFORMATION**

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### **Ecotoxicological Effects**

Harmful to aquatic organisms in unneutralised form.

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## **13. DISPOSAL CONSIDERATIONS**

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Dispose of empty containers in accordance with federal, state and local laws.

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## **14. TRANSPORT INFORMATION**

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Classified as Dangerous Goods according to the Australian Code For The Transport Of Dangerous Goods By Road And Rail (Sixth Edition). See section 1.

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## 15. REGULATORY INFORMATION

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Labelling Requirements According to Criteria of NOHSC<sup>1</sup>:

|           |   |
|-----------|---|
| R34       | Causes burns.   |
| S2        | Keep out of reach of children.  |
| S24/25    | Avoid contact with skin and eyes.   |
| S26       | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| S36/37/39 | Wear suitable protective clothing, gloves and eye/face protection.                            |
| S46       | If swallowed, seek medical advice immediately and show this container or label.               |
| S28       | After contact with skin, wash immediately with plenty of soap-suds.                           |
| S50       | Do not mix with acids.  |

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## 16. OTHER INFORMATION

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<sup>1</sup> National Occupational Health and Safety Commission – Australia

<sup>2</sup> Australian Code For The Transport Of Dangerous Goods By Road And Rail (Sixth Edition).

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