

Bracton Industries (NSW) Pty. Ltd.

ACN 003 060 160

P.O. Box 386, Brookvale NSW 2100,
Australia

Section 1: Identification of the Material and Supplier

Product Name: DP2

Other Names: Liquid Beer Line, Glass and Dishwashing Machine Detergent.

Proper shipping name (ADG Code): None assigned.

Recommended use: As one part of a two part beer line cleaner.
Use diluted as directed on the product label.
CAUTION: Do not mix the concentrates directly together.

Supplier: Bracton Industries (NSW) Pty. Ltd.,
ACN: 003 060 160
50 Chard Road, BROOKVALE NSW 2100, Australia
Tel: +61 2 9938 1800 (business hours)
Fax: +61 2 9905 0979

Emergency Phone Numbers:

Transport/Fire Emergency: 000 (Emergency services)
Medical Emergency: 131126 (Poisons Information Centre)

Section 2: Hazards Identification

Hazardous according to criteria of Worksafe Australia.

Non-dangerous goods.

Risk Phrases: R: 36/38 Irritating to eyes and skin.

Safety Phrases: S: 1/2 Keep locked up and out of the reach of children.
S: 3 Keep in a cool place.
S: 28 After contact with skin, wash immediately with plenty of water.
S: 36/39 Wear suitable protective clothing and eye/face protection.
S: 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Section 3: Composition/Information on Ingredients

Ingredients:

Hydrogen peroxide	[7722-84-1]	< 10 %
Other ingredients deemed not be hazardous		< 10 %
Water	[7732-18-5]	to 100 %

Section 4: First Aid Measures

For advice, contact a Poisons Information Centre (Phone 131126) or a doctor.

Swallowed: If swallowed, do NOT induce vomiting.

Skin: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Eyes: If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Center or a doctor, or for at least 15 minutes.

Inhaled: Remove from exposure.

First Aid facilities:

Recommended: Eye wash. Hand wash basin.

Advice to Doctor:

Product is an aqueous solution of hydrogen peroxide (about 26 vol).

Irritating to skin and eyes.

Contact Poisons Information Centre.

Aggravated medical conditions:

No data found.

Section 5: Fire Fighting Measures

HAZCHEM Code: None assigned.

Evacuate: No.

Extinguishant: Water.

Risk of violent reaction or explosion: No.

Products of combustion: Water vapour.

Protective Equipment: Protective gloves.

Section 6: Accidental Release Measures

Emergency Procedures:

Contain.

Prevent spillages from entering natural waters.

For large spills:

Contain spillage using sand or earth. Transfer liquid and solids to suitable container. Treat residues as for small spillage.

For small spills:

If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise, absorb on inert absorbent, transfer to suitable container and arrange removal by disposals company. Wash site of spillage thoroughly with water and detergent.

Section 7: Handling and Storage

Precautions for safe handling:

Avoid contact with skin and eyes.
Keep away from oxidisable materials.

Conditions for safe storage:

Store in a cool, well ventilated place, out of reach of children. Large quantities should be stored in a bunded area. Store in original container. Keep container tightly closed and out of direct sunlight. Keep away from combustible materials. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.

Incompatibles:

Reducing agents, combustible materials such as fabrics, wood, paper and sawdust, alkalis, copper and its alloys, other transition metals.

Section 8: Exposure Controls/Personal Protection

National Exposure Standards:

ES-TWA:	Hydrogen peroxide	1 ppm, 1.4 mg/m ³	
ES-STEL:	None assigned by NOHSC, but see:		
	Hydrogen peroxide	2 ppm, 3.0 mg/m ³	[UK]
ES-PEAK:	None assigned.		
Notations:	None.		

Biological Limit Values: No data found.

Engineering Controls:

Avoid using combustible materials (such as wood or wood products) as materials of construction.
Ensure adequate ventilation (same as outdoors) when using.
If handling industrial quantities or if aerosol risk exists, consider local mechanical exhaust/extraction to keep airborne contamination as low as possible, and at least below the TLV.

Personal Protective Equipment:

Avoid contact with skin and eyes. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:-

Normal Use:

Eye/face protection
Gloves, rubber or plastic.

Industrial Quantities:

Face shield or safety glasses
Gloves, rubber or plastic
Plastic apron, sleeves and boots
Impervious overalls.

CAUTION: Cotton overalls impregnated with oxidising agents may be readily ignited and can burn fiercely.

Section 9: Physical and Chemical Properties

Appearance: Clear, colourless liquid.
Odour: Odourless.
pH: Slightly acidic.
Vapour Pressure: No data.
Vapour Density: No data.
Boiling Point: About 100 °C
Melting Point: No data.
Volatiles: > 95 %
Volatile Organic Compounds (VOC): Nil.
Evaporation Rate: No data.
Solubilities: Miscible with water in all proportions.
Specific Gravity/Density: 1.0 g/mL @ 20 °C
Flash Point: None.
Flammable Limits: None.
Dust Explosion: Not applicable.
Auto-ignition Temperature: No data.

Other Information:

Mild oxidiser. May release oxygen on contact with alkalis, copper and its alloys, chromium, iron, lead, silver and manganese. Mixtures with combustible materials may be readily ignited and may even catch fire spontaneously. May be slippery when spilled.

Section 10: Stability and Reactivity

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Incompatible materials, heat, direct sunlight.

Incompatible Materials: Alkalis, combustible materials, contamination of almost any sort.

Hazardous Decomposition Products: None found.

Hazardous Reactions: Releases oxygen on contact with alkalis, combustible materials, metals or almost any sort of contamination.

Section 11: Toxicological Information

Health Effects:

No data available for the mixture. Information presented relates to individual ingredients.

Acute:

- Swallowed:** May be harmful if swallowed. Large quantities may be fatal. May cause irritation or burns to the mouth, throat and stomach. May cause distension of the stomach, possible nausea and vomiting. Large doses may cause acute pulmonary oedema (fluid build-up in the lungs).
- Skin:** Irritating to skin. May cause bleaching of the skin.
- Eyes:** Irritating to eyes. Possible risk of burns to the cornea.
- Inhaled:** An unlikely route. Inhalation of aerosols may cause irritation

to the upper respiratory system and possible pulmonary oedema. Onset of symptoms may be delayed.

Chronic: Repeated skin contact may lead to bleaching and skin burns.
Prolonged or repeated exposure may affect the liver.

LD50: Hydrogen peroxide 1,518 mg/kg oral, rat.

LDLo: Hydrogen peroxide (3 %) 12,000 µL/kg oral, child.

Section 12: Ecological Information

Ecotoxicity: May be harmful to aquatic organisms.

Persistence and degradability: Readily reduced by reaction with organic materials.

Mobility: Readily transported by water.

Environmental Fate: Readily degrades to water.

Bioaccumulative potential: Not expected to bioaccumulate.

Other adverse environmental effects: No data.

Section 13: Disposal Considerations

The generator of any wastes from this product is responsible for its proper classification, transport and disposal.

Consult appropriate local and State regulations.

Disposal methods and containers:
Avoid disposal to natural waters or the environment.
Avoid using metal containers.

Special precautions for landfill or incineration:
Not suitable for incineration.

Section 14: Transport Information

UN Number: None assigned.

UN Proper shipping name: None assigned.

Class and subsidiary risk: None.

Packaging group: None.

Special precautions for user: Contain spillages.
Keep away from combustible materials.

HAZCHEM Code: None assigned.

Material for export: Not regulated.

Section 15: Regulatory Information

Poisons (SUSDP): Schedule 6 Hydrogen peroxide > 6 %

Dangerous Goods: No.

Carcinogen:	Australia No.	IARC *	NTP No.
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* Hydrogen peroxide is classified by IARC as Group 3, unclassifiable as to carcinogenicity to humans. (1)

Agricultural and Veterinary Chemicals Act: Not applicable.

Australian Inventory of Chemical Substances (AICS): Listed.

Other National/International Regulations: No data.

Section 16: Other information

Date of MSDS update: September 2006
Complete review and re-write of all sections.

Abbreviations:

NOHSC - National Occupational Health and Safety Commission.
ACGIH - American Conference of Governmental Industrial Hygienists.
MAK - Maximum workplace concentration - Germany,
(*maximale Arbeitsplatzkonzentration*)
IARC - International Agency for Research on Cancer (France).
NPT - National Toxicology Program (USA).
HSE - Health and Safety Executive (United Kingdom).

Literature references:

(1) IARC Monographs on the Evaluation of Carcinogenic Risks to Humans. V.71, p.671, 1999.

Available Sources of Data:

National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [2011(2003)] - NOHSC.
Australian Dangerous Goods Code.
Standard for the Uniform Scheduling of Drugs and Poisons - AHMAC.
Exposure Standards for Atmospheric Contaminants in the Occupational Environment [1003]- NOHSC.
List of Designated Hazardous Substances [10005] - NOHSC.
Merck Index - Merck Inc.
Sax's Dangerous Properties of Industrial Materials - Lewis.
Handbook of Toxic and Hazardous Chemicals and Carcinogens - Sittig.
Handbook of Reactive Chemical Hazards - Bretherick.
Hawley's Condensed Chemical Dictionary - Wiley Interscience.
AUSREG's Chemical Data Package for PCs - AUSREG Consultancy.

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