



# SAFETY DATA SHEET

According to Safe Work Australia

Printing date 12.10.2016

Revision: 12.10.2016

## 1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** DP2 (Disinfecting Process Two)

**Other Means of Identification:** Mixture

**Other Name:** Mixture

**Recommended Use of the Chemical and Restriction on Use:** Part two of a two part beer line cleaning solution

**Details of Manufacturer or Importer:**

Bracton Industries (NSW) Pty Ltd  
50 Chard Rd  
Brookvale NSW 2100

**Phone Number:** 02 9938 1800

**Emergency telephone number:** National Poison Information Centre: 13 11 26

## 2. HAZARDS IDENTIFICATION

**Hazardous Nature:**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



corrosion

Serious Eye Damage/Irritation 1 H318 Causes serious eye damage.



Acute Toxicity (Oral) 4

H302 Harmful if swallowed.

**Signal Word** Danger

**Hazard Statements**

H302 Harmful if swallowed.

H318 Causes serious eye damage.

**Precautionary Statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

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/doctor.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330 Rinse mouth.

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

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

**Chemical Characterization: Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

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<b>Hazardous Components:</b>		
7722-84-1	Hydrogen peroxide solution <span style="color: red;">⚠</span> Oxidising Liquids 1, H271; <span style="color: red;">⚠</span> Skin Corrosion/Irritation 1A, H314; <span style="color: red;">⚠</span> Acute Toxicity (Oral) 4, H302; Acute Toxicity (Inhalation) 4, H332	<10%

### 4 . FIRST AID MEASURES

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

**Eye Contact:**

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

**Ingestion:**

If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

**Symptoms Caused by Exposure:**

Inhalation: Inhalation is unlikely. Inhalation of aerosols may cause irritation to the upper respiratory system and possibly pulmonary oedema.

Skin Contact: May cause skin irritation and bleaching.

Eye Contact: Causes serious eye damage. May cause corneal burns.

Ingestion: Harmful if swallowed. May cause irritation or burns to the mouth, throat and stomach, nausea and vomiting. Large quantities may cause pulmonary oedema and can be fatal.

### 5 . FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Use fire extinguishing methods suitable to surrounding conditions.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include water vapour.

Product is not flammable.

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

### 6 . ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Small spills can be mopped up, diluting with plenty of water.

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### 7 . HANDLING AND STORAGE

#### Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

#### Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Protect containers from physical damage. Keep away from reducing agents, alkalis, metals (such as copper and other transition metals), combustible materials (such as fabric, wood, paper and sawdust), and almost any other contaminant.

Do not store in or near combustible materials.

### 8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### Exposure Standards:

#### 7722-84-1 Hydrogen peroxide solution

WES	TWA: 1.4 mg/m <sup>3</sup> , 1 ppm
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#### Engineering Controls:

Maintain air concentration below occupational exposure standards, providing adequate ventilation.

#### Respiratory Protection:

Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

#### Skin Protection:

Impervious gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

#### Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

### 9 . PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance:

Form:	Liquid
Colour:	Clear, colourless
Odour:	Odourless
Odour Threshold:	No information available
pH-Value:	Slightly acidic
Melting point/Melting range:	No information available
Initial Boiling Point/Boiling Range:	~100 °C
Flash Point:	No information available

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<b>Flammability:</b>	Product is not flammable.
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	No information available
<b>Upper:</b>	No information available
<b>Vapour Pressure:</b>	No information available
<b>Density at 20 °C:</b>	1.0 g/cm <sup>3</sup>
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	Miscible with water in all proportions
<b>Partition Coefficient (n-octanol/water):</b>	No information available
<b>Viscosity:</b>	No information available
<b>% Volatiles by Volume:</b>	>95 %

## 10 . STABILITY AND REACTIVITY

### Possibility of Hazardous Reactions:

Releases oxygen on contact with alkalis, metals, combustible materials and almost any other contaminant.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:** Heat, sparks, open flames, hot surfaces and direct sunlight.

### Incompatible Materials:

Reducing agents, alkalis, metals, combustible materials (such as fabric, wood, paper and sawdust), and almost any other contaminant.

**Hazardous Decomposition Products:** Water vapour.

## 11 . TOXICOLOGICAL INFORMATION

### Toxicity:

#### LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:

#### 7722-84-1 Hydrogen peroxide solution

Oral	LD <sub>50</sub>	1518 mg/kg (rat)
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### Acute Health Effects

#### Inhalation:

Inhalation is unlikely. Inhalation of aerosols may cause irritation to the upper respiratory system and possibly pulmonary oedema.

**Skin:** May cause skin irritation and bleaching.

**Eye:** Causes serious eye damage. May cause corneal burns.

#### Ingestion:

Harmful if swallowed. May cause irritation or burns to the mouth, throat and stomach, nausea and vomiting. Large quantities may cause pulmonary oedema and can be fatal.

**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.

**Serious Eye Damage / Irritation:** Causes serious eye damage.

**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

### Carcinogenicity:

Hydrogen Peroxide are classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

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**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.**Chronic Health Effects:**

Repeated or prolonged skin exposure may cause skin bleaching and burns. Prolonged or repeated exposure may cause liver damage.

**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:** No information available

### 12 . ECOLOGICAL INFORMATION

**Ecotoxicity:****Aquatic toxicity:** May be harmful to aquatic life.**Persistence and Degradability:** Hydrogen peroxide is readily degradable.**Bioaccumulative Potential:** Bioaccumulation is not expected to occur.**Mobility in Soil:** This product is readily transported by water.**Other adverse effects:** No further relevant information available.

### 13 . DISPOSAL CONSIDERATIONS

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

### 14 . TRANSPORT INFORMATION

**UN Number** Not regulated**Proper Shipping Name** Not regulated**Dangerous Goods Class** Not regulated**Packing Group:** Not regulated

### 15 . REGULATORY INFORMATION

**Australian Inventory of Chemical Substances:**

7722-84-1 Hydrogen peroxide solution

7732-18-5 Water

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**

Poisons Schedule: 6

### 16 . OTHER INFORMATION

**Date of Preparation or Last Revision:** 12.10.2016**Prepared by:** MSDS.COM.AU Pty Ltd

www.msds.com.au

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**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC<sub>50</sub>: Lethal concentration, 50 percentLD<sub>50</sub>: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Oxidising Liquids 1: Oxidising liquids, Hazard Category 1

Acute Toxicity (Oral) 4: Acute toxicity – Category 4

Skin Corrosion/Irritation 1A: Skin corrosion/irritation – Category 1A

Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1

**Disclaimer**

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011”

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