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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Hazardous Components:		
7722-84-1	Hydrogen peroxide solution Oxidising Liquids 1, H271; Skin Corrosion/Irritation 1A, H314; 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/m³, 1 ppm

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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Flammability:	Product is not flammable.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Density at 20 °C:	1.0 g/cm³
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Miscible with water in all proportions
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available
% Volatiles by Volume:	>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_{50}/LC_{50} Values Relevant for Classification:		
7722-84-1 Hydrogen peroxide solution		
Oral	LD_{50}	1518 mg/kg (rat)

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_{50}: Lethal concentration, 50 percent
LD_{50}: 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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