

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 25.08.2014

Revision: 25.08.2014

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: PROTECT E**Other Name:** Mild disinfectant solution.**Recommended Use of the Chemical and Restriction on Use:** Teat dip**Details of Manufacturer or Importer:**

DASCO Pty Ltd

24 - 26 Helen Street

Heidelberg Heights VIC 3081

Phone Number: (03) 9459 7004**Emergency telephone number:** 13 11 26 (Poisons Information Centre)

2 . HAZARDS IDENTIFICATION

Hazardous Nature: The product is not classified as hazardous according to the Globally Harmonized System (GHS).**Label Elements****Signal Word** Void**Hazard Statements** Void

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures**Description:** No reportable hazardous substances or complex substances.**Hazardous Components:** Void**Additional information:** Surfactant - CAS number not available - <10%

4 . FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.**Skin Contact:**

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Seek medical attention if irritation persists.

Eye Contact:

In case of eye contact, hold eyelids apart and flush eye with running water for at least 15 minutes or until advised to stop by Poisons Information Centre or a doctor. Seek medical attention.

Ingestion:

If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Information for Doctor

Product is an aqueous solution containing a high proportion of glycerol and a low proportion of a surfactant. If swallowed, vomiting should not be induced due to aspiration risk of froth into lungs. May be irritating to skin and eyes. Contact Poisons Information Centre.

Symptoms Caused by Exposure:**Inhalation:** May cause slight irritation to the upper respiratory system, coughing and nausea.**Ingestion:** May cause nausea, vomiting, diarrhoea, fever, headache, insomnia, haemoglobinuria (haemoglobin in urine), convulsions, paralysis, elevated blood sugar and diabetic coma.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water fog or fine water spray.

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Specific Hazards Arising from the Chemical:

No fire or explosion hazard exists. Hazardous combustion products include acrolein., oxides of nitrogen, carbon and traces of hydrogen chloride.

Special Protective Equipment and Precautions for Fire Fighters:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

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.

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. 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 original container in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from physical damage and direct sunlight. Keep away from oxidising agents.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls:

Ensure adequate ventilation of the workplace. If handling industrial quantities, or if aerosol risk exists, provide exhaust ventilation or other engineering controls to keep the airborne concentrations as low as possible.

Personal Protective Equipment (PPE):**Respiratory Protection:**

Use a Safe Work Australia 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:

Rubber or plastic 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. Impervious overalls, plastic apron, sleeves and boots should be worn when handling industrial quantities. See Australian/New Zealand Standard AS/NZS 4501 for more information.

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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:	Mobile, frothing liquid
Colour:	Clear, pink
Odour:	Almost odourless
Odour Threshold:	No information available
pH-Value:	About neutral
Melting point/Melting range:	<0 °C
Initial Boiling Point/Boiling Range:	>100 °C
Flash Point:	Not applicable
Flammability:	Product is not flammable.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	No information available
Density:	No information available
Relative Density at 20 °C:	1.165 g/mL
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Miscible in all proportions
Partition Coefficient (n-octanol/water):	No information available
% Volatiles by Volume:	<24 %
VOC:	<1 %

10. STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: May react with strong oxidising agents.

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Direct sunlight.

Incompatible Materials: Oxidising agents.

Hazardous Decomposition Products: Acrolein, oxides of nitrogen and traces of hydrogen chloride.

11. TOXICOLOGICAL INFORMATION

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:****56-81-5 1,2,3-Propanetriol**

Oral	LC ₅₀ /1 h	>570 mg/m ³ (rat)
	LD ₅₀	12600 mg/kg (rat) 4090 mg/kg (mouse)
	TDLo	1428 mg/kg (human) (headache, nausea or vomiting)
Dermal	LD ₅₀	>10000 mg/kg (rabbit)

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Acute Health Effects**Inhalation:**

May cause slight irritation to the upper respiratory system, coughing and nausea. Aspiration of froth into lungs during swallowing or vomiting may cause chemical pneumonitis (irritation of the lung tissues) and possible pulmonary oedema (fluid build up in the lungs). Onset of symptoms may be delayed.

Skin: May cause mild skin irritation and dry skin.

Eye: May cause eye irritation, redness, and pain.

Ingestion:

May cause nausea, vomiting, diarrhoea, fever, headache, insomnia, haemoglobinuria (haemoglobin in urine), convulsions, paralysis, elevated blood sugar and diabetic coma. Very large doses may cause irritation and dehydration of the tissues, haemolysis and kidney failure.

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

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

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: This product does NOT contain any IARC listed chemicals.

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: Chronic exposure to glycerol may affect the blood and kidneys.

Existing Conditions Aggravated by Exposure: No information available

12 . ECOLOGICAL INFORMATION

Ecotoxicity:**Aquatic toxicity:**

May be harmful to aquatic organisms. Contains surfactant which may be harmful to aquatic organisms, including fish.

Persistence and Degradability:

The surfactant used in this product is classified as substantially biodegradable: elimination >99%.

Bioaccumulative Potential: No information available

Mobility in Soil: No 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

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

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

56-81-5	1,2,3-Propanetriol
7732-18-5	Water

16 . OTHER INFORMATION

Creation Date: 25.08.2014**Last Revision of MSDS:** 01.09.2009**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au

Abbreviations and acronyms:

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

VOC: Volatile Organic Compounds

LC₅₀: Lethal concentration, 50 percentLD₅₀: 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)

Disclaimer

This MSDS 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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