

# Safety Data Sheet

according to WHS Regulations

Printing date 16.08.2018

Revision: 16.08.2018

## 1 Identification

**Product Name: PINEKLENZ****Other Means of Identification:****Other Name:** Germicidal detergent/sanitiser**Recommended Use of the Chemical and Restriction on Use:** Farm disinfectant**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 Hazard(s) 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.



environment

Aquatic Chronic 2

H411 Toxic to aquatic life with long lasting effects.



Skin Corrosion/Irritation 2

H315 Causes skin irritation.

Aquatic Acute 2

H401 Toxic to aquatic life.

**Signal Word** Danger**Hazard Statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

**Precautionary Statements**

P264 Wash hands thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

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.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

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P332+P313 P391 P501	If skin irritation occurs: Get medical advice/attention. Collect spillage. Dispose of contents/container in accordance with local/regional/national regulations.
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### 3 Composition and Information on Ingredients

**Chemical Characterization: Mixtures****Description:** No reportable hazardous substances or complex substances.**Hazardous Components:**

CAS: 68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides ⚠️ Corrosive To Metals 1, H290; Skin Corrosion/Irritation 1A, H314; Serious Eye Damage/Irritation 1, H318; ⚠️ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠️ Acute Toxicity (Oral) 4, H302; Acute Toxicity (Dermal) 4, H312	<5%
CAS: 84133-50-6	Alcohols, C12-C14-secondary, ethoxylated ⚠️ Serious Eye Damage/Irritation 1, H318; ⚠️ Acute Toxicity (Oral) 4, H302; Acute Toxicity (Inhalation) 4, H332; Skin Corrosion/Irritation 2, H315; Aquatic Acute 2, H401	<5%

### 4 First Aid Measures

**Inhalation:** If inhaled, remove to fresh air. 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, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

**Ingestion:** If swallowed, do not induce vomiting. Seek medical attention if symptoms occur.**Symptoms Caused by Exposure:**

Inhalation: Inhalation of aerosols may cause respiratory irritation. Aspiration of froth into lungs during swallowing or vomiting may lead to chemical pneumonitis (irritation of lung tissue) and pulmonary oedema (fluid build up in lungs). Onset of symptoms may be delayed.

Skin Contact: Causes skin irritation.

Eye Contact: Causes serious eye damage, redness and itching.

Ingestion: May cause gastric upset with discomfort or pain, nausea, vomiting and diarrhoea.

### 5 Fire Fighting Measures

**Suitable Extinguishing Media:** Water fog or fine water spray.**Specific Hazards Arising from the Chemical:**

No fire or explosion hazard exists.

Hazardous combustion products include oxides of carbon and traces of nitrogen oxides and hydrogen chloride.

**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 full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

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**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. 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, out of reach of children. Keep container tightly closed when not in use. Protect from physical damage and direct sunlight. Keep away from oxidising agents, caustic alkalis and strong acids.

### 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 vapour/aerosol risk exists, provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour as low as possible.

**Respiratory Protection:** Respiratory protection is not required under normal use conditions.

**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.

**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:**

<b>Form:</b>	Mobile, frothing liquid
<b>Colour:</b>	Clear, blue
<b>Odour:</b>	Pine odour
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	About neutral
<b>Melting point/freezing point:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	From about 100 °C
<b>Flash Point:</b>	Not applicable

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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>	Not applicable
<b>Upper:</b>	Not applicable
<b>Vapour Pressure:</b>	No information available
<b>Density:</b>	No information available
<b>Relative Density at 20 °C:</b>	1 g/mL
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	Miscible in all proportions
<b>Partition Coefficient (n-octanol/water):</b>	No information available
<b>% Volatiles by Volume:</b>	About 94 % (water)
<b>VOC:</b>	<1 % (perfume)

## 10 Stability and Reactivity

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

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

**Conditions to Avoid:** Direct sunlight.

**Incompatible Materials:** Oxidising agents, strong mineral acids and caustic alkalis.

**Hazardous Decomposition Products:** Traces of nitrogen oxides and hydrogen chloride.

## 11 Toxicological Information

### Toxicity:

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

**CAS: 68424-85-1 Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides**

Oral	LD <sub>50</sub>	795 mg/kg (rat)
Dermal	LD <sub>50</sub>	1,560 mg/kg (rat)

**CAS: 125-12-2 Isobornyl acetate**

Oral	LD <sub>50</sub>	10,000 mg/kg (rat)
Dermal	LD <sub>50</sub>	20,000 mg/kg (rabbit)

### Acute Health Effects

#### Inhalation:

Inhalation of aerosols may cause respiratory irritation. Aspiration of froth into lungs during swallowing or vomiting may lead to chemical pneumonitis (irritation of lung tissue) and pulmonary oedema (fluid build up in lungs). Onset of symptoms may be delayed.

**Skin:** Causes skin irritation.

**Eye:** Causes serious eye damage, redness and itching.

**Ingestion:** May cause gastric upset with discomfort or pain, nausea, vomiting and diarrhoea.

**Skin Corrosion / Irritation:** Causes skin irritation.

**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.

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**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:** Repeated or prolonged skin contact may cause irritation and possible dermatitis.**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:** No information available

### 12 Ecological Information

**Ecotoxicity:**

May be harmful to aquatic organisms. Quaternary ammonium compounds are harmful to microorganisms. Contains a surfactant, local concentrations may be harmful to aquatic organisms, including fish.

**Aquatic toxicity:** Toxic to aquatic life with long lasting effects.**Persistence and Degradability:**

The surfactant used in this product is not considered to be readily biodegradable.

**Bioaccumulative Potential:** No further relevant information available.**Mobility in Soil:** No further relevant information available.**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**Marine pollutant:** Symbol (fish and tree)

### 15 Regulatory Information

**Australian Inventory of Chemical Substances:**

CAS: 7732-18-5	Water
CAS: 68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides
CAS: 84133-50-6	Alcohols, C12-C14-secondary, ethoxylated
CAS: 125-12-2	Isobornyl acetate

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**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**  
Not Scheduled.

### 16 Other Information

**Date of Preparation or Last Revision:** 16.08.2018**Last Revision of MSDS:** 01.09.2009**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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

VOC: Volatile Organic Compounds

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)

Corrosive To Metals 1: Corrosive to metals – Category 1

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

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

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

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

Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1

Aquatic Acute 2: Hazardous to the aquatic environment, short-term (Acute). Category 2

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

**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 - February 2016"

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