

Printing date 28.08.2014

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## 1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** ELIMINATE

**Other Name:** Acidic mixture containing surfactant

**Recommended Use of the Chemical and Restriction on Use:** Acid/detergent sanitiser

**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:**



corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.



Acute Tox. 4 H302 Harmful if swallowed.

Acute Tox. 4 H332 Harmful if inhaled.

STOT SE 3 H335 May cause respiratory irritation.

**Label Elements**

**Signal Word** Danger

**Hazard Statements**

H302+H332 Harmful if swallowed or if inhaled.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

**Precautionary Statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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.

P271 Use only outdoors or in a well-ventilated area.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P363 Wash contaminated clothing before reuse.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P330 Rinse mouth.

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

P310 Immediately call a POISON CENTER/doctor.

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P312 Call a POISON CENTER/doctor if you feel unwell.  
 P405 Store locked up.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P501 Dispose of contents/container in accordance with local/regional/national regulations.

## 3 . COMPOSITION AND INFORMATION ON INGREDIENTS

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

7664-38-2	Phosphoric acid ⚠ Skin Corr. 1B, H314	>60%
79-14-1	Glycolic acid ⚠ Acute Tox. 3, H301; ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318	10-30%
	Surfactant	<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, 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 immediate medical attention.

**Information for Doctor****Symptoms Caused by Exposure:**

**Inhalation:** Harmful if inhaled. May cause a burning sensation on the chest, laboured breathing, shortness of breath, sore throat and loss of consciousness.

**Skin Contact:** May cause severe skin irritation, redness, pain, blisters and burns.

**Eye contact:** May cause redness, pain, blurred vision and severe deep burns, chemical conjunctivitis and corneal damage.

**Ingestion:** May cause pain in the throat and stomach, abdominal cramps, nausea, vomiting, intense thirst, shallow breathing, weakness, confusion, weak and rapid pulse reduced urine output, burns to the stomach and intestines, haemorrhaging and permanent tissue destruction of the oesophagus and digestive tract, loss of consciousness and death.

## 5 . FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Water fog or fine spray.

**Specific Hazards Arising from the Chemical:**

Contact with active metals such as aluminium or zinc may generate flammable hydrogen gas. Hazardous combustion products include oxides of phosphorous and carbon.

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

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

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## 6 . ACCIDENTAL RELEASE MEASURES

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

Wear Safe Work Australia approved respiratory protection and full protective clothing. 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. Spills may be neutralised by spreading soda ash or powdered limestone liberally over the spillage.

## 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 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 alkalis and active metals such as aluminium and zinc.

## 8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Standards:

#### 7664-38-2 Phosphoric acid

NES	STEL: 3 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>
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### 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, at least below the occupational exposure limits.

### 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:**

<b>Form:</b>	Slightly viscous, frothing liquid
<b>Colour:</b>	Orange
<b>Odour:</b>	Almost odourless
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	<2 (Very acidic)
<b>Melting point/Melting range:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	>100 °C
<b>Flash Point:</b>	Not applicable
<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>	1.329 g/mL
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	Miscible
<b>Partition Coefficient (n-octanol/water):</b>	No information available
<b>% Volatiles by Volume:</b>	About 20 %
<b>VOC:</b>	<1 %

## 10. STABILITY AND REACTIVITY

**Possibility of Hazardous Reactions:**

Very acidic mixture, will react vigorously or violently with alkalis. Contact with carbonates or bicarbonates will generate carbon dioxide, a simply asphyxiant. Mildly corrosive to most metals. Contact with active metals may generate flammable hydrogen gas.

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

**Conditions to Avoid:** No information available

**Incompatible Materials:**

Alkalis, including carbonates and bicarbonates and active metals such as aluminium and zinc.

**Hazardous Decomposition Products:** Oxides of phosphorous and carbon.

## 11. TOXICOLOGICAL INFORMATION

**Toxicity:****LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:****7664-38-2 Phosphoric acid**

Oral	LDLo	220 mg/kg (human) (unreported route - man)
	LD <sub>50</sub>	1530 mg/kg (rat)

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Dermal	LD <sub>50</sub>	2740 mg/kg (rabbit)
<b>79-14-1 Glycolic acid</b>		
Oral	LD <sub>50</sub>	1950 mg/kg (rat)

**Acute Health Effects****Inhalation:**

Harmful if inhaled. May cause a burning sensation on the chest, laboured breathing, shortness of breath, sore throat and loss of consciousness. May cause pulmonary oedema (fluid build-up in the lungs). Onset of symptoms may be delayed.

**Skin:** May cause severe skin irritation, redness, pain, blisters and burns.

**Eye:**

Severe eye irritant. May cause redness, pain, blurred vision and severe deep burns, chemical conjunctivitis and corneal damage.

**Ingestion:**

Harmful if swallowed. May be fatal. May cause pain in the throat and stomach, abdominal cramps, nausea, vomiting, intense thirst, shallow breathing, weakness, confusion, weak and rapid pulse reduced urine output, burns to the stomach and intestines, haemorrhaging and permanent tissue destruction of the oesophagus and digestive tract, loss of consciousness and death.

**Skin Corrosion / Irritation:** Causes severe skin burns.

**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:** 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 lead to irritation and burns. Exposure to phosphoric acid may affect the blood, liver and bone marrow.

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

## 12 . ECOLOGICAL INFORMATION

**Ecotoxicity:****Aquatic toxicity:**

Harmful to aquatic organisms. In natural waters, phosphates may contribute to the formation of algal bloom.

**Persistence and Degradability:** No information available

**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.

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**Special Precautions for Landfill or Incineration:**

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

## 14 . TRANSPORT INFORMATION

<b>UN Number</b>	
<b>ADG</b>	UN1760
<b>Proper Shipping Name</b>	
<b>ADG</b>	CORROSIVE LIQUID, N.O.S. (phosphoric acid, glycolic acid)
<b>Dangerous Goods Class</b>	
<b>ADG Class:</b>	8 Corrosive substances.
<b>Packing Group:</b>	
<b>ADG</b>	II
<b>EMS Number:</b>	FA-SB
<b>Hazchem Code:</b>	2X
<b>Special Provisions:</b>	274
<b>Limited Quantities:</b>	1L
<b>Packagings &amp; IBCs - Packing Instruction:</b>	P001, IBC02
<b>Packagings &amp; IBCs - Special Packing Provisions:</b>	Not applicable
<b>Portable Tanks &amp; Bulk Containers - Instructions:</b>	T11
<b>Portable Tanks &amp; Bulk Containers - Special Provisions:</b>	TP2, TP27

## 15 . REGULATORY INFORMATION

**Australian Inventory of Chemical Substances:**

7664-38-2	Phosphoric acid
79-14-1	Glycolic acid
7732-18-5	Water

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

Poisons Schedule: 6

## 16 . OTHER INFORMATION

**Creation Date:** 28.08.2014**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:**

ADG: Australian Dangerous Goods  
 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  
 LC<sub>50</sub>: Lethal concentration, 50 percent  
 LD<sub>50</sub>: Lethal dose, 50 percent  
 IARC: International Agency for Research on Cancer

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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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