

# Safety Data Sheet

according to WHS Regulations

Printing date 02.09.2019

Revision: 02.09.2019

## 1 Identification

**Product Name:** ELIMINATE**Other Means of Identification:** Mixture.**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:** National Poison Information Centre: 13 11 26

## 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.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



corrosion

Skin Corrosion/Irritation 1B      H314 Causes severe skin burns and eye damage.

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



Acute Toxicity (Oral) 4      H302 Harmful if swallowed.

Acute Toxicity (Inhalation) 4      H332 Harmful if inhaled.

STOT SE 3      H335 May cause respiratory irritation.

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

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

**Precautionary Statements**

P260 Do not breathe dusts or mists.

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.

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

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

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

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

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

(Contd. on page 2)

# Safety Data Sheet

## according to WHS Regulations

Printing date 02.09.2019

Revision: 02.09.2019

**Product Name: ELIMINATE**

(Contd. of page 1)

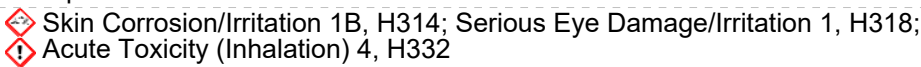

P310	Immediately call a POISON CENTER/doctor.
P321	Specific treatment (see on this label).
P363	Wash contaminated clothing before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national regulations.

### 3 Composition and Information on Ingredients

#### Chemical Characterization: Mixtures

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

#### Hazardous Components:

CAS: 7664-38-2	Phosphoric acid 	>60%
CAS: 79-14-1	Glycolic acid 	10 - 30%

### 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. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

#### Symptoms Caused by Exposure:

Inhalation: Harmful if inhaled. May cause respiratory irritation, laboured breathing and shortness of breath. May cause unconsciousness and pulmonary oedema.

Skin Contact: Causes severe skin burns, redness and blisters.

Eye contact: Causes serious eye damage, redness and blurred vision.

Ingestion: Harmful if swallowed. May cause irritation or burns to the mouth, throat and gastrointestinal system.

May cause 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. May cause unconsciousness and death.

### 5 Fire Fighting Measures

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

#### Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon and phosphorous.

This product is not flammable, however contact with active metals may generate flammable hydrogen gas.

Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

(Contd. on page 3)

# Safety Data Sheet

## according to WHS Regulations

Printing date 02.09.2019

Revision: 02.09.2019

**Product Name: ELIMINATE**

(Contd. of page 2)

**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 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 containers from physical damage. Protect from heat and direct sunlight. Keep away from bases including carbonates and bicarbonates and active metals such as aluminium, tin or zinc.

**8 Exposure Controls and Personal Protection****Exposure Standards:****CAS: 7664-38-2 Phosphoric acid**

WES	STEL: 3 mg/m <sup>3</sup>
	TWA: 1 mg/m <sup>3</sup>

**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:**

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.

(Contd. on page 4)

# Safety Data Sheet

## according to WHS Regulations

Printing date 02.09.2019

Revision: 02.09.2019

**Product Name: ELIMINATE**

(Contd. of page 3)

**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/freezing point:</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>	~20 %
<b>VOC:</b>	<1 %

### 10 Stability and Reactivity

**Possibility of Hazardous Reactions:**

Hazardous polymerisation will not occur.  
 Reacts violently with bases.  
 May be corrosive to metals.  
 Contact with carbonates may generate carbon dioxide.  
 Contact with metals may generate flammable hydrogen gas.

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

**Conditions to Avoid:** Physical damage to containers, direct sunlight and heat.

**Incompatible Materials:**

Bases including carbonates and bicarbonates and active metals such as aluminium, tin or zinc.

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

(Contd. on page 5)

# Safety Data Sheet

according to WHS Regulations

Printing date 02.09.2019

Revision: 02.09.2019

Product Name: ELIMINATE

(Contd. of page 4)

## 11 Toxicological Information

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

	LDLo	220 mg/kg (human) (unreported route - man)
Oral	LD <sub>50</sub>	1530 mg/kg (rat)
Dermal	LD <sub>50</sub>	2740 mg/kg (rabbit)

**CAS: 79-14-1 Glycolic acid**

Oral	LD <sub>50</sub>	1950 mg/kg (rat)
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**Acute Health Effects****Inhalation:**

Harmful if inhaled. May cause respiratory irritation, laboured breathing and shortness of breath. May cause unconsciousness and pulmonary oedema.

**Skin:** Causes severe skin burns, redness and blisters.

**Eye:** Causes serious eye damage, redness and blurred vision.

**Ingestion:**

Harmful if swallowed. May cause irritation or burns to the mouth, throat and gastrointestinal system. May cause 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. May cause unconsciousness 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:** This product contains phosphates which may contribute to the development of algal blooms.

**Aquatic toxicity:****CAS: 7664-38-2 Phosphoric acid**

EC <sub>50</sub>	270 mg/l (activated sludge inhibition)
EC <sub>50</sub> /48 h	>100 mg/l (daphnia)

(Contd. on page 6)

# Safety Data Sheet

according to WHS Regulations

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Revision: 02.09.2019

**Product Name: ELIMINATE**

(Contd. of page 5)

EC <sub>50</sub> /72 h	>100 mg/l (scenedesmus subspicatus)
LC <sub>50</sub> /96 h	138 mg/l (mosquito fish)

**Persistence and Degradability:** No further relevant information available.**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

<b>UN Number</b> ADG, IMDG, IATA	UN1760
<b>Proper Shipping Name</b> ADG, IMDG, IATA	CORROSIVE LIQUID, N.O.S. (phosphoric acid, glycolic acid)
<b>Dangerous Goods Class</b> ADG Class:	8 Corrosive substances.
<b>Packing Group:</b> ADG, IMDG, IATA	II
<b>EMS Number:</b>	F-A,S-B
<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>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:**

CAS: 7664-38-2 Phosphoric acid

CAS: 79-14-1 Glycolic acid

CAS: 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:** 02.09.2019

(Contd. on page 7)

# Safety Data Sheet

## according to WHS Regulations

Printing date 02.09.2019

Revision: 02.09.2019

**Product Name: ELIMINATE**

(Contd. of page 6)

**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

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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)

Acute Toxicity (Oral) 3: Acute toxicity – Category 3

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

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

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

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

**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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