

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 26.08.2014

Revision: 26.08.2014

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: ULTRA ACID - ACID DAIRY DETERGENT

Other Name: Phosphoric acid solution containing surfactant

Recommended Use of the Chemical and Restriction on Use: Dairy detergent for removal of milkstone

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.

Label Elements

Signal Word Danger

Hazard Statements

H314 Causes severe skin burns and eye damage.

Precautionary Statements


- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P264 Wash hands thoroughly after handling.
 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.
 P310 Immediately call a POISON CENTER/doctor.
 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:

7664-38-2	Phosphoric acid	 Skin Corr. 1B, H314	>60%
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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 immediate medical attention.

Ingestion: If swallowed, do not induce vomiting. Seek immediate medical attention.

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

Inhalation: May cause a burning sensation in the chest, cough, laboured breathing, shortness of breath, sore throat and loss of consciousness.

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

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

Ingestion: May cause burns to mouth, throat and gastrointestinal system. Symptoms may include pain in the throat and stomach, abdominal cramps, a burning sensation, nausea, vomiting and intense thirst, blood in the urine.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water fog or fine water spray.

Specific Hazards Arising from the Chemical:

Contact with common metals such as tin, 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.

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.

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

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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. Keep away from alkalis, including carbonates and bicarbonates, and active metals such as aluminium, tin, zinc or galvanised iron.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:**7664-38-2 Phosphoric acid**

NES	STEL: 3 mg/m ³ TWA: 1 mg/m ³
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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.

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:	Very acidic
Melting point/Melting range:	No information available
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
Relative Density at 20 °C:	1.6 g/mL

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Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Miscible in all proportions, with evolution of some heat.
Partition Coefficient (n-octanol/water):	No information available
% Volatiles by Volume:	<30 % (as water)
VOC:	None

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions:

May react vigorously or violently with alkalis, including carbonates and bicarbonates. Mildly corrosive to many metals. Contact with common metals may generate hydrogen, a flammable gas. May attack wood, paper and other wood products.

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

Conditions to Avoid: When diluting, always add this product to water, never add water to this product.

Incompatible Materials:

Alkalis (including carbonates and bicarbonates), metals (such as aluminium, tin, zinc or galvanised iron), wood and wood products, oxidising agents.

Hazardous Decomposition Products: Oxides of phosphorus.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

7664-38-2 Phosphoric acid

	LDLo	220 mg/kg (human)
Oral	LD ₅₀	1530 mg/kg (rat)
Dermal	LD ₅₀	2740 mg/kg (rabbit)
Inhalation	LC ₅₀ /1 h	>850 mg/m ³ (rat)

Acute Health Effects

Inhalation:

Corrosive to lung tissues. May cause a burning sensation in the chest, cough, laboured breathing, shortness of breath, sore throat and loss of consciousness. Exposure levels of 1 - 5 mg/m³ will irritate the nose and throat. Exposure levels of 4 - 11 mg/m³ may cause coughing.

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

Eye:

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

Ingestion:

May cause burns to mouth, throat and gastrointestinal system. Symptoms may include pain in the throat and stomach, abdominal cramps, a burning sensation, nausea, vomiting and intense thirst, blood in the urine. May cause corrosion and permanent tissue destruction of the oesophagus and digestive tract. May cause haemorrhaging of the digestive tract. Ingestion of large quantities may cause shock, clammy skin, weak and rapid pulse, shallow breathing, weakness, confusion, reduced urine output, loss of consciousness and death.

Skin Corrosion / Irritation: Causes severe skin burns.

Serious Eye Damage / Irritation: Causes serious eye damage.

Respiratory or Skin Sensitisation: No sensitising effects known.

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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 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 living 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:

Do not use metal 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	1805
Proper Shipping Name	PHOSPHORIC ACID, SOLUTION
Dangerous Goods Class	8
Packing Group:	III
EMS Number:	FA-SB
Hazchem Code:	2R
Special Provisions:	223
Limited Quantities:	5L
Packagings & IBCs - Packing Instruction:	P001, IBC03, LP01
Packagings & IBCs - Special Packing Provisions:	Not applicable
Portable Tanks & Bulk Containers - Instructions:	T4
Portable Tanks & Bulk Containers - Special Provisions:	TP1

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15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

7664-38-2	Phosphoric 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: 26.08.2014**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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