

Section 1. IDENTIFICATION

Product Name: ASSURE

Other Names: Assure De-Scaler

Uses: Liquid, non-foaming acid cleaner

Chemical Family: No Data Available

Chemical Formula: No Data Available

Chemical Name: No Data Available

Product Description: No Data Available

CONTACT DETAILS OF THE SUPPLIER OF THIS SAFETY DATA SHEET

Business: Colonial Chemicals Australia

Address: Skewes Road, Bendemeer, NSW, AUSTRALIA,2355

Postal Address: P.O Box 167 Moonbi, NSW,2353

Phone: 02 67 696 658 **Mobile:** 0427 696658 **Fax:** 02 57015137

Email: admin@colonialchemicals.com.au

Web Site: www.colonialchemicals.com.au

Emergency Contact Details -For emergencies only; DO NOT contact these companies for general product advice.
Poisons Information Centre -Westmead NSW 131126 or 1800-251525
Chemcall Australia 1800-127406

Section 2. HAZARD IDENTIFICATION

Poisons Schedule (Aust) 6

Globally Harmonised System Hazard Classification **Hazardous** according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Hazard Categories Skin Corrosion/Irritation - Category 1A
Serious Eye Damage/Irritation - Category 1
Acute Toxicity (Dermal) – Category 5
Acute Toxicity (Oral) – Category 4

Pictograms



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Poisons Information Centre 131126 or Technical Officer 02 67 696 658

Section 2. HAZARD IDENTIFICATION (Continued)

Signal Word	Danger		
Hazard Statements	H302	Harmful if swallowed.	
	H313	May be harmful in contact with skin.	
	H314	Causes severe skin burns and eye damage.	
	H318	Causes serious eye damage.	
Precautionary Statements	Prevention	P234	Keep only in original container.
		P260	Do not breathe fume/gas/mist/vapours/spray.
		P264	Wash hands thoroughly after handling.
	Response	P280	Wear protective gloves/protective clothing/eye protection/face protection.
		P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
		P303 + P361 + P353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
		P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position 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.
		P310	Immediately call a POISON CENTER or doctor/physician.
		P321	Specific treatment (see First Aid Measures on Safety Data Sheet).
	Storage	P363	Wash contaminated clothing before reuse.
		P390	Absorb spillage to prevent material damage.
		P405	Store locked up.
Disposal	P406	Store in corrosive resistant container with a resistant inner liner.	
	P501	Dispose of contents/container in accordance with local / regional / national / international regulations.	

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code).

Dangerous Goods Classification

Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code).

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS

CHEMICAL ENTITY	FORMULA	CAS NUMBER	PROPORTION%
Phosphoric Acid	No Data Available	7664-38-2	10-30
Nitric Acid	No Data Available	7697-37-2	<10
NON HAZARDOUS INGREDIENTS	No Data Available	No Data Available	Balance to 100%

Section 4. FIRST AID MEASURES

Eye	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poison Information Centre or a doctor, or for at least 15 minutes.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a doctor.
Inhalation	If inhaled, remove from contaminated area. To protect rescuer, use an Air-line respirator where an inhalation risk exists. Apply artificial respiration if not breathing.
Ingestion	For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.
Advice to Doctor	Treat symptomatically.
First Aid Facilities	Eye wash facilities and safety shower should be available.

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Section 5. FIRE FIGHTING MEASURES

Flammability	Non flammable. May evolve toxic gases (Phosphorus oxides) if strongly heated to decomposition. Contact with some metals (eg: aluminum), may liberate potentially flammable – explosive hydrogen gas.
Fire and Explosion	Non flammable. Treat as per requirements for Surrounding Fires: Evacuate area and contact emergency services. Remain upwind & notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus when combating fire. Use waterfog to cool intact containers and nearby storage areas.
Extinguishing	Non flammable. Prevent contamination of drains or waterways.
Hazchem Code	2R

Section 6. ACCIDENTAL RELEASE MEASURES

Spillage	If spilt (bulk), contact emergency services if appropriate. Wear splash-proof goggles and PVC/rubber gloves, an Air- line respirator (where an inhalation risk exists). Absorb spill with sand or similar and place in sealed containers for disposal. Wash spill site down with water. For small amounts, dilute with water and flush to sewer. Caution: surfaces may be slippery.
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Section 7. HANDLING AND STORAGE

Storage	Store in cool, dry, well ventilated area, removed from acids, combustible materials and foodstuffs. Ensure containers are adequately labeled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should be bunded and have appropriate ventilation systems.
Handling	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Stds

Ingredient	Reference	TWA	STEL		
Phosphoric acid	ASCC(AUS)	-	1.0mg/m3	-	3.0mg/m3

Biological Limits	No biological limit allocated.
Engineering Controls	Do not inhale vapours. Ensure adequate natural ventilation. Maintain vapour levels below the recommended exposure standard.
PPE	Wear splash-proof goggles and PVC or rubber gloves, rubber, face shield and coveralls. Where an inhalation risk exists, wear a type A (organic vapor) respirator.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, water white mobile liquid
Odour:	Nil
Boiling Point (°C):	Not Measured
Specific Gravity (g/ml@25°C):	1.24-1.28
Flashpoint(°C):	None
Solubility in Water	Miscible with water
pH:	<1.0

Section 10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended conditions of storage.
Conditions to Avoid	Avoid heat, sparks, open flames and other ignition sources.

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Section 10. STABILITY AND REACTIVITY (Continued)

Material to Avoid	Incompatible with oxidizing agent (e.g. hypochlorite, peroxide), alkalis (eg hydroxides), metals, heat and ignition sources.
Decomposition	May evolve toxic gas (phosphorus oxides) if heated to decomposition.
Hazardous Reactions	Polymerization is not expected to occur.

Section 11. TOXICOLOGICAL INFORMATION

Health Hazard	Highly corrosive. Use safe work practices to avoid eye or skin contact, spray mist generation or inhalation.
Eye	Highly corrosive. Contact may result in irritation, lacrimation, pain, redness and conjunctivitis. Prolonged contact may result in corneal burns and possible permanent damage.
Inhalation	Corrosive. Over exposure to mists or vapours (if sprayed) may result in mucous membrane irritation of the nose and throat with coughing. At high levels nausea, dizziness and headache. Low vapour pressure, considerably reduces the potential for an inhalation hazard.
Skin	Corrosive - Irritant. Contact may result in drying the skin, rash, dermatitis and burns.
Ingestion	Highly corrosive. Ingestion may result in burns to the mouth and throat, nausea, vomiting, abdominal pain and diarrhea. Ingestion of large quantities may result in ulceration, unconsciousness, convulsion, and death.
Toxicity Data	PHOSPHORIC ACID (7664-38-2) LD50(ingestion):1530mg/kg (rat) LD50(skin):2740mg/kg(rabbit)

Section 12. ECOLOGICAL INFORMATION

Environment	Phosphoric acid is hazardous to aquatic life at high concentrations. While acidity may be reduced by natural water minerals, the phosphate may persist indefinitely. When spilled onto soil, it will permeate downward, and may dissolve some of the soil matter, especially carbonate-based materials. Some acid will be neutralised, however significant amounts will remain for transport to groundwater.
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Section 13. DISPOSAL CONSIDERATIONS

Waste Disposal	For small amounts absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer for additional information if larger amounts are involved. Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result.
Legislation	Dispose of in accordance with relevant local legislation.

Section 14. TRANSPORT INFORMATION

CLASSIFIED AS A DANGEROUS GOODS BY THE CRITERIA OF THE ADG

CODE Shipping Name PHOSPHORIC ACID SOLUTION

UN No.	1805	DG Class	8	Subsidiary Risk(s)	None Allocated
Packing Group	III	Hazchem Code	2R	EPG	8A1

Section 15. REGULATORY INFORMATION

Poison Schedule	Classified as Schedule 6(S6) Poison using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
AICS	All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

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Section 16. OTHER INFORMATION

Always use product as directed. Please read all labels carefully before using product. Further information may be obtained by contacting the Technical Officer on 0267 696 658. Supplied by Colonial Chemicals Australia.

SDS Revision Number: 1
SDS Revision Date: 01 December 2016
Reason for issue: Creation SDS (Replaces MSDS version 2 Dated 31/07/2013)
In any event, the review and, if necessary, the re-issue of a SDS shall be no longer than 5 years after the last date of issue.

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.

Key legend/Abbreviations/Acronyms that may be used in this S.D.S.:

<	Less Than
>	Greater Than
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
AICS	Australian Inventory of Chemical Substances
atm	Atmosphere
CAS	Chemical Abstracts Service (Registry Number)
cm ²	Square Centimetres
CO ₂	Carbon Dioxide
COD	Chemical Oxygen Demand
deg C (°C)	Degrees Celcius
deg F (°F)	Degrees Farenheit
EPA (New Zealand)	Environmental Protection Authority of New Zealand
g	Grams
g/cm ³	Grams per Cubic Centimetre
g/l	Grams per Litre
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially
firefighters HSNO	Hazardous Substance and New Organism
IDLH	Immediately Dangerous to Life and Health
immiscible	Liquids are insoluble in each other. inHg
inHg	Inch of Mercury
inH ₂ O	Inch of Water
K	Kelvin
kg	Kilogram
kg/m ³	Kilograms per Cubic Metre
lb	Pound
LC	stands for lethal concentration.
LC50	is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
LD	stands for Lethal Dose.
LD50	is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
ltr or L	Litre
m ³	Cubic Metre
mbar	Millibar
mg	Milligram
mg/24H	Milligrams per 24 Hours
mg/kg	Milligrams per Kilogram
mg/m ³	Milligrams per Cubic Metre
Misc or Miscible	Liquids form one homogeneous liquid phase regardless of the amount of either component present
mm	Millimetre
mmH ₂ O	Millimetres of Water
mPa.s	Millipascals per Second
N/A	Not Applicable
NIOSH	National Institute for Occupational Safety and Health
NOHSC	National Occupational Health and Safety Commission
OECD	Organisation for Economic Co-operation and Development
Oz	Ounce
Pa	Pascal
PEL	Permissible Exposure Limit
pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppb	Parts per Billion
ppm	Parts per Million
ppm/2h	Parts per Million per 2 Hours
ppm/6h	Parts per Million per 6 Hours
psi	Pounds per Square Inch
R	Rankine
RCP	Reciprocal Calculation Procedure
SDS	Safety Data Sheet
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
tne	Tonne
TWA	Time Weighted Average (TWA/ES - Time Weighted Average or Exposure Standard)
Ug/24	Micrograms per 24 Hours
UN	United Nations
Wt	Weight

END OF SDS

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