SAFETY DATA SHEET

ACRYLOC Building Products
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Disclaimer:
ACRYLOC Building Products provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose

Product: RUST CONVERTER ACRYLOC

HAZARDOUS according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals

SIGNAL WORD: DANGER

☎ Emergency Response No: 1800 951 288

RECOMMENDED PPE

GLOVES

SAFETY GLASSES

Health hazards

H314	**Causes severe skin burns and eye damage**
H290	**May be corrosive to metals**

1 IDENTIFICATION

IDENTIFICATION

Product Code:	15025
Product Name:	RUST CONVERTER ACRYLOC
Other Names:	Not applicable
Product Use:	Heavy Duty Acid RUST CONVERTER
Restrictions on use:	Use as Directed

COMPANY DETAILS

Company:	ACRYLOC Building Products
ABN Number:	
Address:	174 Cavan Road DRY CREEK SA 5094
Telephone Number:	(08) 8368 0222 (Monday to Friday, 7am to 5pm) 1300 661 745 (Monday to Friday, 7am to 5pm)
Emergency Telephone Number:	CHEMWATCH 1800 951 288

Other Information: This information summarises our best knowledge on the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

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2 HAZARD IDENTIFICATION

HAZARDOUS according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals

Classification of the substance or mixture:

Skin corrosion/irritation	- Category 1
Eye damage/irritation	- Category 1
Metal corrosion	- Category 1

SIGNALWORD: **DANGER**

Hazard Statements

Health hazards

H314	**Causes severe skin burns and eye damage**
H290	**May be corrosive to metals**

Precautionary statements

General precautionary statements

P102	Keep out of reach of Children

Prevention precautionary statements

P264	Wash hands thoroughly after handling.
P260	Do not breathe fume/gas/mist/vapours/spray
P234	Keep only in original container
P280	Wear protective gloves/eye protection
P390	Avoid spillage to prevent material damage

Response precautionary statements

P310	Immediately call a POISON CENTRE or doctor/physician
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.
P363	Wash contaminated clothing before reuse
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

Storage precautionary statements

P405	Store locked up

Disposal precautionary statements

P501	Dispose of contents/container in accordance with local regulations.

Poisons Schedule (SUSMP): Schedule 6

3 COMPOSITION

Ingredients

Chemical Entity	CAS Number	Proportion	Risk Phrases
WATER	[7732-18-5]	> 60%	
Phosphoric acid	[7664-38-2]	10 – 20%	H314 H290
Ingredients determined not to be hazardous		Balance	

4 FIRST AID MEASURES

For advice, contact a Poisons Information Centre phone Australia 131 126; or a doctor.

Inhalation:

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. For all but the most minor symptoms arrange for patient to be seen by a doctor as soon as possible, either on site or at the nearest hospital.

Skin Contact:

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If spilt on large areas of skin or hair, immediately drench with running water and remove clothing. Continue to wash skin and hair with plenty of water (and soap if material is insoluble) until advised to stop by the Poisons Information Centre or a doctor.

Eye Contact:

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes.

Ingestion:

Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance.

Indication of immediate medical attention and special treatment needed:

Treat symptomatically. Can cause corneal burns.

5 FIRE FIGHTING MEASURES

Extinguishing Media

In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions. Do NOT use chemical extinguishers or foams, do NOT attempt to smother the fire with steam or sand.

Hazards from Combustion Products

Non-combustible liquid. Will not burn, or support combustion. Incompatible with oxidising agents, reactive metals zinc and bare steel, strong reducing agents, fluorine, bases, metals, metal oxides, metal alloys, strong bases, sulphur trioxide, phosphorous pentoxide, and sources of ignition. Fumes produced when heated to decomposition may include corrosive phosphorous oxides. This product transforms to pyro-phosphoric acid at 200ºC.

Special Protective Precautions and Equipment for Fire Fighters

Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves). Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources.

Flammability Conditions	Product is a non-flammable liquid.
Hazchem Code	2R

6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Personnel involved in the clean up should wear full protective clothing. Evacuate all unnecessary personnel. Eliminate all sources of ignition. Increase ventilation. Avoid walking through spilled product as it may be slippery. Stop leak if safe to do so. Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Authority.
Clean Up	Spills will be slippery so treat promptly. For minor spills mop up and rinse with water. For larger spills neutralise spilled product with lime or soda. Soak up using absorbent material such as sand or soil. When saturated, collect material and transfer to a suitable, labelled, dry, sealable containers and hold for safe disposal.

7 HANDLING AND STORAGE

Handling	Wear appropriate protective clothing to prevent skin and eye contact. Use in well ventilated area. Keep containers closed when not in use. Maintain a high standard of personal hygiene. Wash hands immediately after using product
Storage	Corrosive product. Store in cool, dry, well ventilated place out of direct sunlight. Store in closed containers. Store away from incompatible materials such as strong acids, strong alkalis, oxidising agents, aluminium and zinc. Ensure storage area is secure

8 EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Standards	None listed for product. Exposure standards for phosphoric acid [NOHSC: 1008(2004)] are: TWA 1mg/ STEL 3mg/m3
Engineering Controls	Ensure ventilation is adequate to maintain air concentrations below exposure standards

Individual protection measures, such as Personal Protective Equipment (PPE):

The selection of PPE is dependant on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

CHEMICAL GOGGLES
IMPERVIOUS GLOVES

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Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.
If risk of inhalation exists, wear suitable mist respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716

If used in heated tanks in confined area with Hook & Gambrel cleaning, ensure adequate ventilation or wear full face piece respirator with suitable filter for acid gases and vapours.

. 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear green liquid
Formula	Not applicable.
Odour	Glycol ether odourless
Vapour Pressure	Not applicable.
Vapour Density	Not determined
Boiling Point	Not applicable.
Melting Point	Not applicable.
Solubility in Water	Soluble at use dilutions
Specific Gravity	1.07 to 1.10 (Water = 1)
Flash Point	Not applicable.
pH	1.25
Lower Explosion Limit	Not applicable.
Upper Explosion Limit	Not applicable.
Ignition Temperature	Not applicable.
Specific Heat Value	Not applicable.
Particle Size	Not applicable.
Volatile Organic Compounds (VOC) Content	Not applicable.
Evaporation Rate	Not applicable.
Viscosity	Not applicable.
Percent Volatile	Not determined
Octanol/Water partition coefficient	Not applicable.
Saturated Vapour Concentration	Not applicable.
Additional Characteristics	Not applicable.
Flame Propagation/Burning Rate of Solid Materials	Not applicable.
Properties of Materials That May Initiate or Contribute to Fire Intensity	Not applicable.
Potential for Dust Explosion	Not applicable.
Reactions that Release Flammable Gases	Contact with reactive metals may evolve highly flammable hydrogen gas
Fast of Intensely Burning Characteristics	Not applicable.
Non-flammables That Could Contribute Unusual Hazards to a Fire	Not applicable.
Release of Invisible Flammable Vapours and Gases	Not applicable.
Decomposition Temperature	Not determined
Additional Information	

10 STABILITY AND REACTIVITY

Stability	Stable under normal conditions of use and storage.
Hazardous Decomposition Products:	Will emit Chlorine Gas when mixed with chlorinated products
Hazardous Polymerization:	Will not occur.
Incompatibilities:	Strong alkalis, oxidising agents, metals
Conditions to Avoid:	Avoid excessive heat, direct sunlight. Reacts violently with caustic and evolves chlorine gas if mixed with chlorine bleach. Attacks: aluminium, tin, zinc and concrete.

11 TOXICOLOGICAL INFORMATION

Toxicity Data

Oral LD_{50} Rat : 1530mg/Kg (50% solution)
Dermal LD_{50} Rabbit : 2740mg/Kg (50% solution)
Inhalation LC_{50} Rat : > 0.85mg/L (anhydrous substance)
Eye Irritation Test : Severe Irritations (Rabbit)
Skin Irritation Test: Severe Irritations (Rabbit)

Health Effects - Acute

Swallowed Corrosive material, Causes burns. Ingestion of this product may cause nausea, vomiting, diarrhoea, corrosion, burns to the mouth and oesophagus with strong pain (Risk of perforation!), abdominal pain, chest pain, shortness of breath, seizures and death may result.

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Eye Corrosive material. Causes burns, tissue destruction, and permanent damage to the cornea with a risk of blindness.

Skin Corrosive material, Causes burns. Product may produce skin irritation.

Inhaled Corrosive Material, Causes burns. Mist may cause irritation to nose, throat and lungs, shortness of breath.

12 ECOLOGICAL INFORMATION

Ecotoxicity: No information found. Avoid contaminating waterways.

13 DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority. Dispose of material through licensed waste contractor. Assure conformity with all applicable regulations.

14 TRANSPORT INFORMATION

Road and Rail Transport

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

UN No: 1805
Transport Hazard Class: 8 Corrosive
Packing Group: III
Proper Shipping Name: Phosphoric acid
Hazchem or Emergency Action Code: 2R

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

UN No: 1805
Transport Hazard Class: 8 Corrosive
Packing Group: III
Proper Shipping Name or Technical Name: Phosphoric acid
IMDG EMS Fire: F-A
IMDG EMS Spill: S-B

Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

UN No: 1805
Transport Hazard Class: 8 Corrosive
Packing Group: III
Proper Shipping Name or Technical Name: Phosphoric acid.

15 REGULATORY INFORMATION

Poisons Schedule S6
EPG 8A1
AICS Name All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

Classification:

This material is hazardous according to Safe Work Australia; HAZARDOUS SUBSTANCE.

Classification of the substance or mixture:

Skin corrosion/irritation	- Category 1
Eye damage/irritation	- Category 1
Metal corrosion	- Category 1

Hazard Statement(s):

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.

16 OTHER INFORMATION

Literature References No data available.
Sources for Data No data available.

Legend to Abbreviations and Acronyms

<	less than	**CAS**	Chemical Abstracts Service (Registry Number)
>	greater than		
AICS	Australian Inventory of Chemical Substances	**cm^2**	square centimetres
		CO_2	Carbon Dioxide
		COD	Chemical Oxygen Demand

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deg C (°C)	degrees Celsius
ERMA	Environmental Risk Management Authority
G	gram
g/cm^3	grams per cubic centimetre
g/l	grams per litre
HSNO	Hazardous Substance and New Organism
IDLH	Immediately Dangerous to Life and Health
Immiscible	liquids are insoluble in each other
Kg	kilogram
kg/m^3	kilograms per cubic metre
LC_{50}	LC stands for Lethal Concentration. LC_{50} 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_{50}	LD stands for Lethal Dose. LD_{50} 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	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	miscible
Miscible	liquids form one homogeneous liquid phase regardless of the amount of either component present
mm	millimetre
mPa.s	milli Pascal per second
N/A	Not Applicable
NOHSC	National Occupational Health and Safety Commission
OECD	Organization for Economic Co-operation and Development
PEL	Permissible Exposure Limit
ppb	parts per billion
ppm	parts per million
ppm/2h	parts per million per 2 hours
ppm/6h	parts per million per 6 hours
RCP	Reciprocal Calculation Procedure
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
tne	tonne
TWA	Time Weighted Average
ug/24H	micrograms per 24 hours
UN	United Nations (number)
Wt	weight

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(updated contact details)

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