

MSDS ATTACHMENT

PLEASE ATTACH THIS COMPLETED SHEET TO THE MSDS FOR :

PRODUCT :

BONDERITE C-IC 90 Acid Cleaner

DATE :

(MSDS date)

02.08.2021

1. Manufacturer/Supplier :

PPS Industries Limited
86 Hugo Johnston Drive, Auckland
New Zealand
P.O.Box 12823, Penrose, Auckland 1642
Phone : 64 9 579-1001
Facsimile : 64 9 579-9497
Emergency Phone : 0800 657-894
Website: www.ppsindustries.co.nz

Emergency Information :

National Poison Centre 0800 764-766
Chemcall 24/7 Emergency Response Service : 0800 243-622

13. Disposal Considerations :

Product

Recommendation - Consult local or national regulations to ensure proper disposal.

Packaging

Disposal must be made according to official regulations.

16. Other Information :

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.



Safety Data Sheet

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BONDERITE C-IC 90 ACID CLEANER known as P3 Almeco 90
25L

SDS No. : 429791

V001.3

Revision: 02.08.2021

printing date: 14.09.2023

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: BONDERITE C-IC 90 ACID CLEANER known as P3 Almeco 90 25L

Intended use: Acidic Cleaner for Industrial Application

Supplier:
Henkel New Zealand Ltd
2 Allens Rd
Auckland, 2013
New Zealand
Phone: +64 (9) 272-6710

Emergency information: 24 HOUR EMERGENCY CONTACT NUMBER 0800 243 622

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classified as hazardous under the New Zealand Hazardous Substances and New Organisms Act (HSNO).

GHS Classification:

<u>Hazard Class</u>	<u>Hazard Category</u>
Corrosive to metals	Category 1
Skin corrosion	Category 1B
Serious eye damage/eye irritation	Category 1

Hazard pictogram:



Signal word: Danger

Hazard statement(s): H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

Precautionary Statement(s):

Prevention: P234 Keep only in original packaging.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response: 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 [or shower].
P304+P340+P310 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician.
P305+P351+P338+P315 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. Get immediate medical advice/attention.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.

Storage: P405 Store locked up.
P406 Store in corrosive resistant container with a resistant inner liner.

Disposal: P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

General chemical description: Mixture

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
Nitric acid	7697-37-2	20- < 30 %
Sulfuric acid	7664-93-9	15- < 30 %
non hazardous ingredients~		60- < 90 %

SECTION 4 FIRST AID MEASURES

Ingestion: Have victim rinse mouth thoroughly with water.
Do not induce vomiting.
Get immediate medical attention.

Skin: Immediately flush skin with plenty of water (using soap, if available).
Remove contaminated clothing and footwear.
If symptoms develop and persist, get medical attention.

Eyes: Immediately flush eyes with water for at least 15 minutes, while holding eyelids open.
Seek medical attention at once.

Inhalation: If inhaled, immediately remove the affected person to fresh air.
Get immediate medical attention.

First Aid facilities: Eye wash and safety shower

Medical attention and special treatment: Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Water fog.

Avoid using a direct stream of water.

- Combustion behaviour:** Non-combustible.
- Decomposition products in case of fire:** Oxides of sulfur.
Oxides of nitrogen.
- Particular danger in case of fire:** Avoid water contamination in closed containers or confined areas.
May react with metals to form flammable hydrogen gas.
- Special protective equipment for fire-fighters:** Fire fighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.
- Additional fire fighting advice:** In case of fire, keep containers cool with water spray.
- Hazchem code:** 2X

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Avoid contact with skin and eyes.
Wear appropriate personal protective equipment.
- Environmental precautions:** Do not empty into drains / surface water / ground water.
- Clean-up methods:** Absorb spill with inert material. Shovel material into appropriate container for disposal.
Dispose of contaminated material as waste according to Section 13.

SECTION 7. HANDLING AND STORAGE

- Precautions for safe handling:** NEVER ADD WATER TO PRODUCT. For dilutions, add product slowly to water while stirring. Use caution; heat may be generated.
Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling.
The workplace should be equipped with an emergency shower and eye-rinsing facility.
Use only with adequate ventilation.
Use personal protective equipment as described in Section 8.
Wear suitable protective clothing, gloves and eye/face protection.
When using do not eat, drink or smoke.
- Conditions for safe storage:** Store only in the original container.
Keep container tightly sealed.
Store in a cool, dry, well-ventilated area.
Store away from incompatible materials.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace exposure standards:

Ingredient [Regulated substance]	form of exposure	TWA (ppm)	TWA (mg/m3)	Ceiling	STEL (ppm)	STEL (mg/m3)
NITRIC ACID 7697-37-2		2	5.2			
NITRIC ACID					4	10
SULPHURIC ACID 7664-93-9			0.1			

Biological Exposure Indices:
None

Engineering controls:	Use local exhaust ventilation if the potential for airborne exposure exists.
Eye protection:	Wear chemical goggles; face shield (if splashing is possible).
Skin protection:	Protective clothing that covers arms and legs. Use impervious gloves. Use of impervious apron and boots are recommended.
Respiratory protection:	If inhalation risk exists, wear a respirator or air supplied mask complying with the requirements of AS/NZS 1715 and AS/NZS 1716.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, colourless liquid
Odor:	mild
pH:	acidic
Specific gravity:	1.26 - 1.28
Boiling point:	> 100 °C (> 212 °F)
Solubility in water:	fully miscible

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of temperature and pressure.
Conditions to avoid:	Heat. Reacts with most metals producing hydrogen which is extremely flammable and may explode.
Incompatible materials:	Reducing agents. Reacts with water: generation of heat. Powdered metals. Organic materials. Combustible materials. Alkalis.
Hazardous decomposition products:	Toxic fumes. Oxides of sulfur.

SECTION 11. TOXICOLOGICAL INFORMATION

Health Effects:

Ingestion:

This product may produce corrosive damage to the gastrointestinal tract if it is swallowed.

Skin:

Corrosive to skin.

Eyes:

Mists, vapors or liquid may cause severe irritation or burns.

Inhalation:

Corrosive to the eyes and may cause severe damage including blindness.

Can cause severe irritation and burns to the respiratory tract.

Chronic effects:

Repeated or prolonged exposure could cause lung damage.

Sulfuric Acid: Repeated exposure to the mist may cause inflammation of the upper respiratory tract, chronic bronchitis and etching of the dental enamel. Repeated excessive exposure over long periods of time have resulted in bronchitic symptoms, rhinorrhea, frequent respiratory tract infections, emphysema, stomatitis and digestive disturbances.

Aggravated med. condition:

No information available.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Nitric acid 7697-37-2	LC50 Acute toxicity estimate (ATE)	> 2.65 mg/l 2.651 mg/l	inhalation inhalation	4 h 4 h	rat	OECD Guideline 403 (Acute Inhalation Toxicity) Expert judgement
Sulfuric acid 7664-93-9	LD50	2,140 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Nitric acid 7697-37-2	corrosive			not specified

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Nitric acid 7697-37-2	corrosive			not specified

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Nitric acid 7697-37-2	negative negative negative	bacterial reverse mutation assay (e.g Ames test) in vitro mammalian chromosome aberration test mammalian cell gene mutation assay	with and without with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Sulfuric acid 7664-93-9	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Repeated dose toxicity:

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Nitric acid 7697-37-2	NOAEL=1,500 mg/kg	oral: gavage	28 ddaily	rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
Sulfuric acid 7664-93-9	LOAEL=0.3 mg/m3	inhalation: aerosol	28 d6 h/d, 5 d/w	rat	OECD Guideline 412 (Repeated Dose Inhalation Toxicity: 28/14-Day)

SECTION 12. ECOLOGICAL INFORMATION

General ecological information:

Do not empty into drains / surface water / ground water., Locally harmful for aquatic and landliving organisms because of low pH and corrosive properties.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Nitric acid 7697-37-2	LC50	12.5 mg/l	Fish	96 h	Salmo gairdneri (new name: Oncorhynchus mykiss)	OECD Guideline 203 (Fish, Acute Toxicity Test) other guideline:
Nitric acid 7697-37-2	EC50	4.6 mg/l	Daphnia	48 h	Ceriodaphnia dubia	
Nitric acid 7697-37-2	EC50	> 1,000 mg/l	Bacteria	3 h	activated sludge	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Sulfuric acid 7664-93-9	LC50	> 16 - 28 mg/l	Fish	96 h	Lepomis macrochirus	OECD Guideline 203 (Fish, Acute Toxicity Test)
Sulfuric acid 7664-93-9	EC50	> 100 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Sulfuric acid 7664-93-9	EC50	> 100 mg/l	Algae	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)
Sulfuric acid 7664-93-9	EC0	6,900 mg/l	Bacteria	24 h		not specified

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal of product:

Do not empty into drains / surface water / ground water.
Dispose of as hazardous waste in compliance with local and national regulations.
In consultation with the responsible local authority, must be subjected to special treatment: Neutralisation

Disposal for uncleaned package:

Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

SECTION 14. TRANSPORT INFORMATION

Land Transport:

UN no.: 3264
Proper shipping name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Sulphuric acid,Nitric acid)
Class or division: 8
Packing group: II
Hazard code: 2X

Marine transport IMDG:

UN no.: 3264
Proper shipping name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Sulphuric acid,Nitric acid)
Class or division: 8
Packing group: II
EmS: F-A ,S-B
Seawater pollutant: -

Air transport IATA:

UN no.: 3264
Proper shipping name: Corrosive liquid, acidic, inorganic, n.o.s. (Sulphuric acid,Nitric acid)
Class or division: 8
Packing group: II
Packing instructions (passenger) 851
Packing instructions (cargo) 855

SECTION 15. REGULATORY INFORMATION

New Zealand regulatory information:

Classified as hazardous under the New Zealand Hazardous Substances and New Organisms Act (HSNO).

HSNO Approval Number: Group standard HSR002526

Site and Storage: Refer to the site and storage requirements in the Health and Safety at Work (Hazardous Substances) Regulations 2017

NZIoC: Compliant for NZIOC

SECTION 16. OTHER INFORMATION

Abbreviations/acronyms: STEL - Short term exposure limit
TWA - Time weighted average
HSNO - Hazardous Substances and New Organisms
IMDG: International Maritime Dangerous Goods code
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations

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Date of previous issue: 21.09.2016

Disclaimer:

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