# MSDS ATTACHMENT

**PLEASE ATTACH THIS COMPLETED SHEET TO THE MSDS FOR :**

**PRODUCT :** **BONDERITE C-IC 2520 Neutraliser**

**DATE :**
(MSDS date) **25.05.2022**

**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



BONDERITE C-IC 2520 ACID CLEANER known as Deoxidine 2520 5L

SDS No. : 429746
V001.3
Revision: 25.05.2022
printing date: 14.09.2023

## SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product name:** BONDERITE C-IC 2520 ACID CLEANER known as Deoxidine 2520 5L

**Intended use:** Neutralisers, Neutralising Activators

**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).
Classified as Dangerous Goods under the Land Transport Rule: Dangerous Goods 2005.

**GHS Classification:**

| Hazard Class | Hazard Category |
|---|---|
| Skin corrosion/irritation | Category 1B |
| Serious eye damage/eye irritation | Category 1 |
| Corrosive to metals | Category 1 |
| Skin corrosion | Sub-category 1B |
| Serious eye damage/eye irritation | Category 1 |
| Acute hazards to the aquatic environment | Category 3 |

**Hazard pictogram:**

**Signal word:** Danger

**Hazard statement(s):**
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H402 Harmful to aquatic life.

**Precautionary Statement(s):**

**Prevention:**
P234 Keep only in original packaging.
P264 Wash hands thoroughly after handling.
P273 Avoid release to the environment.
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 | 5- < 10 % |
| non hazardous ingredients~ | | 60- <= 100 % |

## SECTION 4 FIRST AID MEASURES

**Ingestion:**
Rinse mouth, do not induce vomiting, consult a doctor.

**Skin:**
In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water.
Seek medical attention from a specialist.

**Eyes:**
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Seek medical attention immediately.

**Inhalation:**
Move to fresh air.
Keep warm and in a quiet place.
Seek medical attention from a specialist.

**First Aid facilities:**
Eye wash and safety shower
Normal washroom facilities

**Medical attention and special treatment:**
Treat symptomatically.

## SECTION 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media:**
Water
Carbon dioxide.
Sand.
Dry powder.

**Improper extinguishing media:**
Water spray jet

**Decomposition products in case of fire:**
Thermal decomposition can lead to release of irritating gases and vapors.
carbon monoxide
Carbon dioxide.
Oxides of nitrogen.

**Particular danger in case of fire:**
May react with metals to form flammable hydrogen gas.

**Special protective equipment for fire-fighters:**
Wear full protective clothing.
Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).

**Additional fire fighting advice:**
In case of fire, keep containers cool with water spray.
Collect contaminated fire fighting water separately. It must not enter drains.

**Hazchem code:**
2R

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**
Ensure adequate ventilation.
Keep unprotected persons away.
Avoid skin and eye contact.
Adequate personal protective equipment should be worn by all personnel involved in the clean-up work.

**Environmental precautions:**
Do not discharge into surface water/ground water.

**Clean-up methods:**
Sweep up or gather material and place in appropriate container for disposal.

## SECTION 7. HANDLING AND STORAGE

**Precautions for safe handling:**
Ensure that workrooms are adequately ventilated.
Keep container tightly sealed.
Avoid skin and eye contact.
Wear suitable protective clothing, gloves and eye/face protection.
Use good hygiene practices when handling this material, including changing and laundering work clothes after use. Discard contaminated shoes and leather goods.

**Conditions for safe storage:**
Store only in the original container.
Keep container tightly sealed.
Store in a cool, well-ventilated place.
Isolate from incompatible substances.
Keep away from heat and direct sunlight.
Must be stored in the facility for the dangerous goods

## 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 |

**Biological Exposure Indices:**
None

**Engineering controls:** Ensure good ventilation/suction at the workplace.

**Eye protection:** For eye protection, use tightly fitted safety goggles and a face-shield

**Skin protection:** Use of an impervious apron is recommended.
Impervious gloves should be used at all times when handling this product.
Protective clothing that covers arms and legs.
Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced.

**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:** colourless
liquid
**Odor:** typical
**pH:** Not applicable
**Specific gravity:** 1.04 - 1.06
**Density:** 1.04 - 1.06 g/cm3

## SECTION 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions of temperature and pressure.

**Conditions to avoid:** Extremes of temperature.
Excessive heat.

**Incompatible materials:** Incompatible with oxidising agents.
Strong bases.

**Hazardous decomposition products:** Thermal decomposition can lead to release of irritating gases and vapors.

Carbon dioxide.
Carbon monoxide.
Oxides of nitrogen.

## SECTION 11 TOXICOLOGICAL INFORMATION

**Health Effects:**

**Ingestion:** Ingestion of large quantities may cause gastrointestinal irritation with nausea, vomiting, diarrhea and lethargy.

**Skin:** Corrosive to skin.
Symptoms may include redness, edema, drying, defatting and cracking of the skin.

**Eyes:** Causes serious eye damage.
Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

**Inhalation:** Mists or vapors may be irritating to the respiratory tract.

**Acute toxicity:**

| Hazardous components CAS-No. | Value type | Value | Route of application | Exposure time | Species | Method |
|---|---|---|---|---|---|---|
| Nitric acid 7697-37-2 | Acute toxicity estimate (ATE) | 2.65 mg/l | inhalation | | | Expert judgement |

**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<br>negative<br>negative | bacterial reverse mutation assay (e.g Ames test)<br>in vitro mammalian chromosome aberration test<br>mammalian cell gene mutation assay | with and without<br>with and without<br>with and without | | OECD Guideline 471 (Bacterial Reverse Mutation Assay)<br>OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)<br>OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) |

**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) |

## SECTION 12. ECOLOGICAL INFORMATION

**General ecological information:** Do not empty into drains / surface water / ground water.

**Ecotoxicity:** Harmful to aquatic life.

**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) |
| Nitric acid 7697-37-2 | EC50 | 4.6 mg/l | Daphnia | 48 h | Ceriodaphnia dubia | other guideline: |
| Nitric acid 7697-37-2 | EC50 | > 1,000 mg/l | Bacteria | 3 h | activated sludge | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |

## SECTION 13. DISPOSAL CONSIDERATIONS

**Waste disposal of product:** In consultation with the responsible local authority, must be subjected to special treatment: Neutralisation

**Disposal for uncleaned package:** Use packages for recycling only when totally empty.
Dispose of in accordance with local and national regulations.

## SECTION 14. TRANSPORT INFORMATION

**Dangerous Goods information:**

**Land Transport:**
Classified as Dangerous Goods under the Land Transport Rule: Dangerous Goods 2005.

**Land Transport:**

| | |
|---|---|
| UN no.: | 2031 |
| Proper shipping name: | NITRIC ACID (solution) |
| Class or division: | 8 |
| Packing group: | II |
| Hazchem code: | 2R |

**Marine transport IMDG:**

| | |
|---|---|
| UN no.: | 2031 |
| Proper shipping name: | NITRIC ACID (solution) |
| Class or division: | 8 |
| Packing group: | II |
| EmS: | F-A ,S-B |
| Seawater pollutant: | - |

**Air transport IATA:**

| | |
|---|---|
| UN no.: | 2031 |
| Proper shipping name: | Nitric acid (solution) |
| 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:** HSR002609

**Site and Storage:** Refer to the site and storage requirements for this Group Standard.
Refer to the HSNO controls for approved hazardous substances.

**NZIoC:** Compliant for NZIOC

## SECTION 16. OTHER INFORMATION

**Abbreviations/acronyms:**
IMDG: International Maritime Dangerous Goods code
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
HSNO - Hazardous Substances and New Organisms
GHS: Globally Harmonized System
CAS: Chemical Abstracts Service
LD 50: Lethal Dose 50%
LC 50: Lethal Concentration 50%
STEL - Short term exposure limit
TWA - Time weighted average

**Reason for issue:** Reviewed SDS. Reissued with new date. involved chapters: 1 - 16

**Date of previous issue:** 31.05.2017

**Disclaimer:**

The percentage weight (% w/w) of ingredients is not to be taken as a specification guaranteed by Henkel New Zealand Limited, but only as an approximate guide to the content of hazardous ingredients in the material. The information contained herein does not constitute a guarantee by Henkel New Zealand Limited concerning the properties of the material.
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