

# MSDS ATTACHMENT

PLEASE ATTACH THIS COMPLETED SHEET TO THE MSDS FOR :

PRODUCT :

Bonderite M-NT-E

DATE :

(MSDS date)

21.07.2022

**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

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BONDERITE M-NT NT-E CR FREE CONVERSION COATING  
known as Alodine NT-E 25kg

SDS No. : 429747  
V001.3  
Revision: 21.07.2022  
printing date: 28.10.2022

### SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product name:** BONDERITE M-NT NT-E CR FREE CONVERSION COATING known as Alodine NT-E 25kg

**Intended use:** Conversion coating

**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**

Not classified as hazardous under the New Zealand Hazardous Substances and New Organisms Act (HSNO).  
Not classified as Dangerous Goods under the Land Transport Rule: Dangerous Goods 2005.

**GHS Classification:**

No classification required.

### SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

**General chemical description:** Mixture

**Identity of ingredients:**

Chemical ingredients	CAS-No.	Proportion
Dihydrogen hexafluorozirconate(2-)	12021-95-3	0.1- < 1 %
non hazardous ingredients~		60- <= 100 %

#### SECTION 4 FIRST AID MEASURES

<b>Ingestion:</b>	Rinse out mouth. Do not drink. In case of adverse health effects seek medical advice.
<b>Skin:</b>	Rinse with running water and soap. If symptoms develop and persist, get medical attention.
<b>Eyes:</b>	Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.
<b>Inhalation:</b>	Move to fresh air. If symptoms persist, seek medical advice.
<b>First Aid facilities:</b>	Eye wash Normal washroom facilities
<b>Medical attention and special treatment:</b>	Treat symptomatically.

#### SECTION 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Extinguish using agent suitable for type of surrounding fire.
<b>Decomposition products in case of fire:</b>	carbon oxides. Irritating organic vapours.
<b>Special protective equipment for fire-fighters:</b>	Wear protective equipment. Wear self-contained breathing apparatus.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	See advice in section 8 Danger of slipping on spilled product.
<b>Environmental precautions:</b>	Do not empty into drains / surface water / ground water.
<b>Clean-up methods:</b>	For small spills wipe up with paper towel and place in container for disposal. For large spills absorb onto inert absorbent material and place in sealed container for disposal.

#### SECTION 7. HANDLING AND STORAGE

<b>Precautions for safe handling:</b>	See advice in section 8 Wear suitable protective clothing, gloves and eye/face protection.
<b>Conditions for safe storage:</b>	Store in a cool, well-ventilated place. Keep container tightly sealed and store in a frost free place. Store between 40°F and 90°F. (5° and 32°C).

**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)
ZIRCONIUM & COMPOUNDS, AS ZR 12021-95-3			5			
ZIRCONIUM & COMPOUNDS, AS ZR						10
Fluorides, as F			2.5			

**Biological Exposure Indices:**

Ingredient [Regulated substance]	Parameters	Biological specimen	Sampling time	Conc.	Basis of biol. exposure index	Remark	Additional Information
Dihydrogen hexafluorozirconate(2-) 12021-95-3 [Fluorides]	Fluoride	Urine	Sampling time: Prior to shift.	2 mg/l	NZ BEI	The BEI is not applicable to non-metal fluorides and organic fluoride-containing compounds. As dietary and environmental factors can vary the fluoride body concentrations, repeated measurements are necessary. Biological levels of fluorides are indicators	
Dihydrogen hexafluorozirconate(2-) 12021-95-3 [Fluorides [BEL 2]]	Fluoride	Urine	Sampling time: End of shift.	3 mg/l	NZ BEI	The BEI is not applicable to non-metal fluorides and organic fluoride-containing compounds. As dietary and environmental factors can vary the fluoride body concentrations, repeated measurements are necessary. Biological levels of fluorides are indicators	

<b>Engineering controls:</b>	Ensure adequate ventilation.
<b>Eye protection:</b>	Safety glasses.
<b>Skin protection:</b>	Use of protective coveralls and long sleeves is recommended. Suitable protective gloves. 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.
<b>Respiratory protection:</b>	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

<b>Appearance:</b>	colourless clear
<b>Odor:</b>	mild

### SECTION 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions of temperature and pressure.
<b>Conditions to avoid:</b>	Excessive heat.
<b>Incompatible materials:</b>	None known
<b>Hazardous decomposition products:</b>	Carbon dioxide, carbon monoxide and irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

### SECTION 11 TOXICOLOGICAL INFORMATION

<b>Health Effects:</b>	
<b>Ingestion:</b>	Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.
<b>Skin:</b>	Prolonged or repeated contact may cause irritation.
<b>Eyes:</b>	May cause mild irritation
<b>Inhalation:</b>	Inhalation of mist or spray may cause irritation of the respiratory tract and nasal passages.

### SECTION 12. ECOLOGICAL INFORMATION

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

**Toxicity:**

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Dihydrogen hexafluorozirconate(2-) 12021-95-3	LC50	172.4 mg/l	Fish	96 h	Danio rerio	OECD Guideline 203 (Fish, Acute Toxicity Test)
Dihydrogen hexafluorozirconate(2-) 12021-95-3	EC50	151.4 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Dihydrogen hexafluorozirconate(2-) 12021-95-3	EC50	10.66 mg/l	Algae	72 h	Pseudokirchmeriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Dihydrogen hexafluorozirconate(2-) 12021-95-3	EC10	1.63 mg/l	Algae	72 h	Pseudokirchmeriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Waste disposal of product:** Dispose of in accordance with local and national regulations.

**Recommended cleanser:** Clean the packaging with water.

**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**

**Dangerous Goods information:**

**Land Transport:**

Not classified as Dangerous Goods under the Land Transport Rule: Dangerous Goods 2005.

**Marine transport IMDG:**

Not dangerous goods

**Air transport IATA:**

Not dangerous goods

**SECTION 15. REGULATORY INFORMATION**

**New Zealand regulatory information:**

Not classified as hazardous under the New Zealand Hazardous Substances and New Organisms Act (HSNO).

**HSNO Approval Number:** none

**NZIoC:** Compliant for NZIOC

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<b>SECTION 16. OTHER INFORMATION</b>
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**Abbreviations/acronyms:** IATA-DGR: International Air Transport Association – Dangerous Goods Regulations  
IMDG: International Maritime Dangerous Goods code

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

**Date of previous issue:** 24.07.2017

**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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