

# MSDS ATTACHMENT

PLEASE ATTACH THIS COMPLETED SHEET TO THE MSDS FOR :

PRODUCT :

BONDERITE M-CR 1201

DATE :

(MSDS date)

25.02.2021

**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 M-CR 1201 AERO known as ALODINE 1201

SDS No. : 191686

V001.2

Revision: 25.02.2021

printing date: 21.03.2022

### SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product name:** BONDERITE M-CR 1201 AERO known as ALODINE 1201

**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

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:

<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Target organ</u>
Skin corrosion/irritation	Category 2	
Serious eye damage/eye irritation	Category 2A	
Respiratory sensitizer	Category 1	
Skin sensitizer	Category 1	
Germ cell mutagenicity	Category 1B	
Carcinogenicity	Category 1A	
Target Organ Systemic Toxicant - Single exposure	Category 3	respiratory tract irritation
Target Organ Systemic Toxicant - Repeated exposure	Category 2	
Acute hazards to the aquatic environment	Category 3	
Chronic hazards to the aquatic environment	Category 3	

#### Hazard pictogram:



#### Signal word:

Danger

**Hazard statement(s):** H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335 May cause respiratory irritation.  
H340 May cause genetic defects.  
H350 May cause cancer.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H412 Harmful to aquatic life with long lasting effects.

**Precautionary Statement(s):**  
**Prevention:** P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P281 Use personal protective equipment as required.

**Response:** P301+P312+P330 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P302+P352+P312 IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell.  
P304+P340+P315 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get immediate medical advice/attention.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P363 Wash contaminated clothing before reuse.

**Storage:** P405 Store locked up.

**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
Chromic acid	7738-94-5	1- < 3 %
non hazardous ingredients~		60- < 100 %

**SECTION 4 FIRST AID MEASURES**

**Ingestion:** Get immediate medical attention.  
DO NOT induce vomiting unless directed to do so by medical personnel.

**Skin:** Remove contaminated clothing and footwear.  
For skin contact, flush with large amounts of water. Seek immediate medical attention.

<b>Eyes:</b>	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
<b>Inhalation:</b>	If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.
<b>First Aid facilities:</b>	Eye wash and safety shower
<b>Medical attention and special treatment:</b>	Treat symptomatically.

#### SECTION 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Use media appropriate for surrounding material.
<b>Particular danger in case of fire:</b>	Formation of toxic gases is possible during heating or in fires.
<b>Special protective equipment for fire-fighters:</b>	Wear full protective clothing. Wear self-contained breathing apparatus.
<b>Additional fire fighting advice:</b>	In case of fire, keep containers cool with water spray.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Avoid skin and eye contact. Wear protective equipment. See advice in section 8
<b>Environmental precautions:</b>	Do not empty into drains / surface water / ground water.
<b>Clean-up methods:</b>	Soak up with inert absorbent. Dispose of contaminated material as waste according to Section 13.

#### SECTION 7. HANDLING AND STORAGE

<b>Precautions for safe handling:</b>	Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists of this product. Wash thoroughly after handling. For industrial use only. Clothing or other material wet with this product and allowed to dry may become flammable.
<b>Conditions for safe storage:</b>	Store in a cool, dry, well-ventilated area. Keep container tightly sealed.

**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)
CHROMIUM (VI) COMPOUNDS, AS CR 7738-94-5			0.01			
CHROMIUM (VI) COMPOUNDS, AS CR, WATER SOLUBLE			0.01			

**Biological Exposure Indices:**

Ingredient [Regulated substance]	Parameters	Biological specimen	Sampling time	Conc.	Basis of biol. exposure index	Remark	Additional information
Chromic acid 7738-94-5 [CHROMIUM (VI) WATER SOLUBLE FUME [BEL 2]]	Total chromium	Urine	Sampling time: Increase at end of 8-hour exposure.	10 µg/l	NZ BEI		
Chromic acid 7738-94-5 [CHROMIUM (VI) WATER SOLUBLE FUME]	Total chromium	Urine	Sampling time: End of shift at end of work week.	25 µg/l	NZ BEI		

**Engineering controls:** Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

**Eye protection:** Wear safety glasses; chemical goggles (if splashing is possible).

**Skin protection:** Chemical resistant, impermeable gloves.  
Use of impervious apron and boots are recommended.  
Butyl rubber gloves.

**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:** orange  
Liquid

**Odor:** None

**pH:** < 2

**Specific gravity:** 1.00 - 1.02

**Boiling point:** > 100 °C (> 212 °F)

**Flash point:** > 100 °C (> 212 °F)

**Solubility in water:** Aqueous solution  
Complete

**SECTION 10. STABILITY AND REACTIVITY**

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

**Conditions to avoid:** None if used for intended purpose.

**Incompatible materials:** Avoid contact with organic materials, oils, greases, and any oxidizable materials. This product may react with strong alkalis.

**Hazardous decomposition products:** In case of fire toxic gases can be released.

**SECTION 11 TOXICOLOGICAL INFORMATION**

**Health Effects:**

**Ingestion:** Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Skin:** Causes skin irritation.  
May cause an allergic skin reaction.

**Eyes:** Causes serious eye irritation.

**Inhalation:** Causes respiratory tract irritation.  
May cause allergic respiratory reaction.

**Aggravated med. condition:** Eye, skin, and respiratory disorders.

**Carcinogenicity:** Category 1A (Carcinogen), May cause cancer.

**Toxicity data:**  
No data available.

**SECTION 12. ECOLOGICAL INFORMATION**

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

**Ecotoxicity:** Harmful to aquatic life with long lasting effects.

**Toxicity:**

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Chromic acid 7738-94-5	LC50	44.25 mg/l	Fish	96 h	Carassius auratus	OECD Guideline 203 (Fish, Acute Toxicity Test) not specified
Chromic acid 7738-94-5	NOEC	0.114 mg/l	Fish	60 h	Oncorhynchus mykiss	
Chromic acid 7738-94-5	EC50	1.18 mg/l	Daphnia	24 h	Daphnia sp.	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Chromic acid 7738-94-5	EC50	0.29 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Chromic acid 7738-94-5	EC10	0.071 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Waste disposal of product:** Dispose of as hazardous waste in compliance with local and national regulations. Do not allow product to enter sewer or waterways.

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

**Disposal for uncleaned package:** Collection and delivery to recycling enterprise or other registered elimination institution.

**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:**

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

**HSNO Approval Number:** Group standard HSR002616

**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

**Reason for issue:**

Reviewed SDS. Reissued with new date. involved chapters: 2, 3, 11, 15

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**Date of previous issue:**

25.04.2016

**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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