

MSDS ATTACHMENT

PLEASE ATTACH THIS COMPLETED SHEET TO THE MSDS FOR :

PRODUCT :

BONDERITE M-AD 131

DATE :

(MSDS date)

10.11.2020

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-AD 131

SDS No. : 429755

V001.3

Revision: 10.11.2020

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SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: BONDERITE M-AD 131

Intended use: Accelerator

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:

<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Route of Exposure</u>
Acute toxicity	Category 3	Oral
Serious eye irritation	Category 2A	
Acute hazards to the aquatic environment	Category 1	

Hazard pictogram:



Signal word:

Danger

Hazard statement(s): H301 Toxic if swallowed.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.

Precautionary Statement(s):

Prevention: P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves, eye protection, and face protection.

Response: P301+P310+P330 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P391 Collect spillage.

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
sodium nitrite	7632-00-0	30- < 60 %
non hazardous ingredients~		60- < 100 %

SECTION 4 FIRST AID MEASURES

Ingestion: Rinse mouth, do not induce vomiting, consult a doctor. Immediate medical treatment necessary.

Skin: Remove contaminated clothing and footwear. If symptoms develop and persist, get medical attention.

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

Inhalation: If inhaled, immediately remove the affected person to fresh air. Immediate medical treatment necessary.

First Aid facilities: Eye wash

Medical attention and special treatment: Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Fine water spray

Combustion behaviour: In case of fire toxic gases can be released.

Decomposition products in case of fire:	Thermal decomposition can lead to release of irritating gases and vapors. Oxides of nitrogen. Decomposition products include oxides of sodium.
Particular danger in case of fire:	If evaporated to dryness, solid residue is an oxidizing agent and may cause spontaneous ignition of combustible materials.
Special protective equipment for fire-fighters:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Additional fire fighting advice:	In case of fire, keep containers cool with water spray.
Hazchem code:	2X

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Ensure adequate ventilation. Avoid contact with skin and eyes. Wear impervious gloves and chemical splash goggles.
Environmental precautions:	Do not allow product to enter sewer or waterways.
Clean-up methods:	Collect spilled material with an inert absorbent such as sand or vermiculite. Place in properly labeled closed container. Do not use sawdust, wood chips or other cellulosic materials to absorb the spill. Dispose of contaminated material as waste according to Section 13.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:	Gloves and safety glasses should be worn Provide adequate ventilation.
Conditions for safe storage:	Store in a cool, well-ventilated place. Do not store on wooden pallets. Store away from acids

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace exposure standards:

None

Biological Exposure Indices:

None

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

Eye protection: Tightly fitting safety goggles

Skin protection: Wear suitable protective clothing.
Suitable protective gloves.
protective gloves made of PVC.
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: Pale yellow
Hazy, Liquid
Odor: Mild
pH: 8.5 - 10.0
Specific gravity: 1.31
Boiling point: > 100 °C (> 212 °F)
Solubility in water: Miscible

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of temperature and pressure.
Conditions to avoid: Excessive heat.
Incompatible materials: Organic materials, acids, combustibles and reducing agents.
Ammonium salts.
Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapors.
Oxides of nitrogen.
Decomposition products include oxides of sodium.

SECTION 11. TOXICOLOGICAL INFORMATION

Health Effects:
Ingestion: Toxic if swallowed.
May cause gastrointestinal irritation with nausea, vomiting and diarrhea.
Skin: May cause mild skin irritation.
Eyes: Causes eye irritation.
Symptoms include itching, burning, redness and tearing.
Inhalation: Inhalation of vapors or mists of the product may be irritating to the respiratory system.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
sodium nitrite 7632-00-0	LD50	180 mg/kg	oral		rat	not specified

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
sodium nitrite 7632-00-0	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
sodium nitrite 7632-00-0	moderately irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
sodium nitrite 7632-00-0	negative	intraperitoneal		rat	not specified

Repeated dose toxicity:

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
sodium nitrite 7632-00-0	NOAEL=130 mg/kg	oral: drinking water	2 ydaily	rat	not specified

SECTION 12. ECOLOGICAL INFORMATION

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

Ecotoxicity: Very toxic to aquatic life.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
sodium nitrite 7632-00-0	LC50	0.54 mg/l	Fish	96 h	Oncorhynchus mykiss	other guideline:
sodium nitrite 7632-00-0	NOEC	1.05 mg/l	Fish	29 d	Cyprinus carpio	OECD Guideline 210 (fish early life stage toxicity test)
sodium nitrite 7632-00-0	EC50	15.4 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
sodium nitrite 7632-00-0	EC50	> 100 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
sodium nitrite 7632-00-0	NOEC	100 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
sodium nitrite 7632-00-0	EC10	210 mg/l	Bacteria	3 h	activated sludge, domestic	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal of product: Collection and delivery to recycling enterprise or other registered elimination institution.

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:

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

Land Transport:

UN no.: 3287
 Proper shipping name: TOXIC LIQUID, INORGANIC, N.O.S. (Sodium nitrite)
 Class or division: 6.1
 Packing group: III
 Hazchem code: 2X

Marine transport IMDG:

UN no.: 3287
 Proper shipping name: TOXIC LIQUID, INORGANIC, N.O.S. (Sodium nitrite)

Class or division: 6.1
 Packing group: III
 EmS: F-A ,S-A
 Seawater pollutant: Marine pollutant

Air transport IATA:

UN no.: 3287
 Proper shipping name: Toxic liquid, inorganic, n.o.s. (Sodium nitrite)
 Class or division: 6.1
 Packing group: III
 Packing instructions (passenger): 655
 Packing instructions (cargo): 663

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 HSR002508

NZIoC: Compliant for NZIOC

SECTION 16. OTHER INFORMATION

Abbreviations/acronyms: 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: 2,11

Date of previous issue: 16.10.2020

Disclaimer:

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