

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Direct to Rust Metal Paint Hammered**
Product Use: Rust treatment product
Restriction of Use in NZ: Refer to Section 15

New Zealand Supplier: **Hobeca Trading Co Ltd**
Address: 25 Andrew Baxter Drive
Auckland, 2022
New Zealand

Telephone: +64 9 249 0499
Emergency No: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 11 October 2024 v2

Section 2. Hazards Identification

The manufacturer has stated that this product is classified as hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval No: Surface Coating and Colourants (Flammable, Carcinogenic) – HSR002669

Pictograms



Signal Word: **DANGER**

GHS Classification and Category	Hazard Code	Hazard Statement
Flammable Liquids Cat. 3	H226	Flammable liquid and vapour.
Aspiration hazard Cat. 1	H304	May be fatal if swallowed and enters airways.
Skin sensitisation Cat. 1	H317	May cause an allergic skin reaction.
Carcinogenicity Cat. 2	H351	Suspected of causing cancer.
specific target organ toxicity - single exposure Cat 3 - Narcotic Effects	H336	May cause drowsiness or dizziness.
Hazardous to the aquatic environment chronic Cat. 3	H412	Harmful to aquatic life with long lasting effects.

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof [electrical, ventilating and lighting] equipment
P242	Use non-sparking tools.
P243	Take action to prevent static discharge.
P261	Avoid breathing fumes, vapours or spray.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in SDS Section 8.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P331	Do NOT induce vomiting.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + P352	IF ON SKIN: Wash with plenty of water.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash before reuse.
P370 + P378	In case of fire: Use Carbon dioxide, extinguishing powder or foam for extinction.

Storage Code	Storage Statement
P405	Store locked up.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cycloalkanes, <2% aromatic hydrocarbons	25-50	EC No: 919-857-5
Trizinc bis(orthophosphate)	<2.5	7779-90-0
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	<3	EC No: 265-150-3
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	<3	64742-48-9
Methyl Ethyl Ketoxime	<1	96-29-7

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation occurs: Get medical advice/attention.
If on Skin	Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/ attention. Take off contaminated clothing and wash before re-use.
If Swallowed	Immediately call a POISON CENTRE or doctor/physician. Rinse mouth. Do NOT induce vomiting. Give a glass of water to drink. Never give anything to the mouth of an unconscious person.
If Inhaled	Generally, inhalation of vapours is unlikely to result in adverse health effects. If coughing, dizziness or shortness of breath is experienced, remove the patient to fresh air immediately. If patient is unconscious, place in the recovery position (on the side) for transport and contact a doctor.

Most important symptoms and effects, both acute and delayed

Symptoms: May be fatal if swallowed and enters airways.
 May cause an allergic skin reaction.
 Suspected of causing cancer.
 May cause drowsiness or dizziness.

Notes to physician: Treat symptomatically. Note: Symptoms may be delayed.

Section 5. Fire Fighting Measures

Hazard Type	Flammable liquid and vapour. Vapours may form an explosive mixture in air which can be ignited by many sources such as pilot lights, open flames, electrical motors, switches and static electricity.
Hazards from decomposition products	Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water. May form toxic mixtures in air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures.
Suitable Extinguishing media	Carbon dioxide, extinguishing powder, foam.
Precautions for firefighters and special protective clothing	Self-contained breathing apparatus. Safety boots, non-flammable overalls, gloves, hat and eye protection.
HAZCHEM CODE	3Y

Section 6. Accidental Release Measures

Personal precautions:

In the event of spillage alert the fire brigade to location and give brief description of hazard. Stop the source of the leak, if safe to do so. Shut off all possible sources of ignition. Wear protective equipment to prevent skin, eye and respiratory exposure. Clear area of any unprotected personnel.

Environmental Precautions:

Prevent by whatever means possible any spillage from entering drains, sewers, or water courses. (If this occurs contact your regional council immediately).

Spill and Disposal procedures:

Contain using sand, earth or vermiculite. Do not use sawdust. Use absorbent (soil, sand or other inert material). Rags are not recommended for the clean-up of spills, as they may create fire or environmental hazard. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services. Refer to Section 13 for disposal.

Section 7. Handling and Storage

Precautions for Handling:

- Read carefully and follow all instructions.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Keep container tightly closed.
- Ground and bond container and receiving equipment.
- Use explosion-proof [electrical, ventilating and lighting] equipment
- Use non-sparking tools.
- Take action to prevent static discharge.
- Avoid breathing fumes, vapours or spray.
- Use only outdoors or in a well-ventilated area.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective clothing as detailed in SDS Section 8.

Precautions for Storage:

- Store away from oxidising agents, strong alkalis and strong acids.
- Keep out of reach of children.
- Store locked up.
- Store in a well-ventilated place. Keep container tightly closed.
- Store in a well-ventilated place. Keep cool.
- Avoid storage of harmful substances with food.
- Containers should be kept closed in order to minimise contamination.
- Keep from extreme heat and open flames.
- Location compliance certificates must be available if storing >500L (containers >5L), 1500L (containers 5L), 250L (in use). Containers (and outer packaging) must bear the prescribed labelling, including the Hazchem code, UN number, flammability warning and name of contents.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2023 14TH EDITION.

Engineering Controls

In industrial situations, it is expected that employee exposure to hazardous substances will be controlled to a level as far below the WES as practicable by applying the hierarchy of control required by the Health and Safety at Work Act (2015) and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016. Exposure can be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify processes or increase ventilation.

Personal Protection Equipment



Eyes	Protective eyewear is not normally necessary when using this product. However, it is always prudent to use protective eyewear if splashes are likely.
Skin	Avoid repeated or prolonged skin contact. Wear overalls, rubber boots and impervious gloves. Nitrile or butyl gloves are recommended. Protective gloves or suitably resistant material must comply with AS 2161. Replace frequently. Gloves should be checked for tears or holes before use. Protective clothing must comply with AS 2919, AS3765.1 or AS3765.2. PVC or rubber boots must comply with AS/NZS 2210.2 and selected and maintained in accordance with AS/NS2210.1. Remove protective clothing and wash exposed areas with soap and water prior to eating, drinking or smoking. Wash hands after handling.
Respiratory	A respirator when airborne concentrations approach the WES (section 8). Respirators must have filters appropriate to the duty and comply with AS/NZS1716 and selected, used and maintained in accordance with AS/NS 1715. Use a respirator with an organic vapour cartridge with a particulate filter. If using a respirator, ensure that the cartridges are correct for the potential air contamination and are in good working order. Fit testing and clear guidelines and training for use and maintenance of PPE are necessary.
General	Personal Protective Equipment (PPE) should not be used as the primary means of exposure protection, except in the event of an accident or emergency situation or where all other means of protection have proven to be inadequate. Clean PPE after use or dispose of as appropriate. Store PPE for re-use in a clean place. Regular training on the correct use of PPE should be provided.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Various colours
Odour	Not available
Odour Threshold	Not available
pH	Not available
Boiling Point	149°C
Melting Point	Not available
Freezing Point	Not available
Flash Point	41°C (closed cup)
Flammability	Highly Flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity/Density	1.085 g/cm ³
Water Solubility	Insoluble in cold water.
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	6.46 cm ² /s
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	None known.
Conditions to Avoid	Flammable substance. Keep away from sources of ignition at all times. Containers should be kept closed in order to avoid contamination.
Incompatible Materials	Oxidising agents, strong alkalis, strong acids.
Hazardous combustion Products	None known.

Section 11 Toxicological Information

Acute Effects:

Swallowed	May be fatal if swallowed and enters airways. May cause nausea, diarrhoea and vomiting.
Dermal	Not applicable.
Inhalation	May cause drowsiness or dizziness.
Eye	Not applicable however direct contact may cause temporary irritation.
Skin	May cause an allergic skin reaction. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic dermatitis and absorption through the skin. Sensitised individuals may experience an allergic skin reaction (methyl ethyl ketoxime).

Chronic Effects:

Carcinogenicity	Suspected of causing cancer.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	May be fatal if swallowed and enters airways.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Section 12. Ecotoxicological Information

Harmful to aquatic life with long lasting effects.

Supporting Data

Aquatic

Using EC50's for ingredients, the calculated EC50 for the mixture is between 10 mg/L and 100 mg/L. Data considered includes: trizinc bis(orthophosphate) 1 mg/L (48hr, Daphnia magna), 1 mg/L (96hr, rainbow trout), 0.3mg/L (72hr, Algae).

Bioaccumulation

No data

Degradability

No data

Soil

EPA has classified trizinc bis(orthophosphate) as toxic to the soil environment.

Terrestrial vertebrate

See acute toxicity.

Terrestrial invertebrate

No evidence of toxicity towards terrestrial invertebrates.

Biocidal

No data

Environmental effect levels No EELs are available for this mixture or ingredients

Section 13. Disposal Considerations

Disposal Method:

The generation of waste should be avoided or minimised wherever possible. Disposal of this

product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Precautions or methods to avoid: Do not allow to enter drains or watercourses.

Packaging: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Section 14 Transport Information

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2020



Road, Rail, Sea and Air Transport

UN No	1263
Class - Primary	3
Packing Group	III
Proper Shipping Name	PAINT
Marine Pollutant	No
Special Provisions	If the product's individual container is below 5L, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

Section 15 Regulatory Information

This product is classified as hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: Surface Coating and Colourants (Flammable, Carcinogenic) – HSR002669

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	500L (>5L), 1500L (<5L); 250L open
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000L
Emergency Response Plan	1000L
Secondary Containment	1000L
Restriction of Use	Only use for the intended purpose.

Section 16 Other Information

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.

