

MATERIAL SAFETY DATA SHEET**AQUA NO-RUST (VR-20)****IDENTIFICATION**

Product Code:	VR-20 (Applied A4320)
Product Name:	AQUA NO-RUST (Temporary Rust Preventative)
Proper Shipping Name:	None allocated
Manufacturer Code:	4320
Other Names	AQUA NO-RUST water based rust preventative 4320 Water Based Rust Preventative
UN Number	None Allocated
DG Class	None Allocated
Packing Group	None Allocated
Hazchem Code	None Allocated
Poisons Schedule	Not Scheduled
Product Use	Designed for rust prevention during processing of iron and steel articles after they have been cleaned for inter-stage inspection. Used to prevent rusting of ferrous components after being wet abrasive blasted in either a closed or open system.

PHYSICAL DATA

Appearance:	Clear, pale straw liquid with a faint nondescript odour
Melting Point:	<0°C
Boiling Point:	approximately 100°C
Vapour Pressure:	18mm Hg at 20°C
Specific Gravity:	1.12 ± 0.01 at 20°C
Flash Point:	Non flammable
Flammability:	Non combustible.
LEL	Not required

OTHER PROPERTIES

pH Value	As received 8.5 ± 0.2	1% solution 8.4 ± 0.2
Form	Liquid	

INGREDIENTS

Ingredient Name	CAS	Proportion
Boric Acid	10043-35-3	10-30%
Sodium tetraborate dodecahydrate	1303-96-4	1-5%
Corrosion Inhibitors	Proprietary	0-1%
Water	7732-18-5	(BALANCE)

REGULATORY INFORMATION

Poison Schedule: S5

Hazard Category: Toxic

AICS (Australia): All ingredients listed

HEALTH HAZARD INFORMATION

FIRST AID

- Ingestion:** Rinse mouth thoroughly with water immediately. Give water or milk to drink. DO NOT induce vomiting. Seek medical advice if effects persist.
- Eye:** Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical advice if effects persist.
- Skin:** Wash affected areas with copious quantities of water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.
- Inhaled:** Remove victim to fresh air. Investigate possible misuse of material. Seek medical advice if effects persist.
- First Aid facilities:** Use good occupational work practice

ADVICE TO DOCTOR

Advice to Doctor: Treat symptomatically

- Inhalation** Practically non-harmful by inhalation. May cause irritation to the nose and throat. Not considered a feature of normal use.
- Ingestion** May cause irritation to mouth, throat and stomach. Practically non-harmful.
- Skin** Practically non-harmful. Repeated or prolonged skin contact may lead to irritation.
- Eye** Practically non-harmful. May cause soreness. May cause watering of eyes.
- Chronic Effects** None known.
- Reproductive Toxicity:** For the ingredients boric acid & sodium tetraborate dodecahydrate: Toxic to Reproduction category 2 (R60-61) (ASCC 20/3/09) Studies of dogs and rats have shown that infertility and damage to testes can result from acute or chronic ingestion of boric acid. Evidence of toxic effects to the human reproductive system is inadequate.
- Human Data: A recent epidemiology study under the conditions of normal occupational exposure to borate dusts indicated no effect on fertility.
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OTHER HEALTH HAZARD INFORMATION

PRECAUTIONS FOR USE

- Exposure Limited:** No exposure limits proposed by National Health and Medical Research Council
- Engineering Controls:** No special ventilation required. Avoid generation and inhalation of mists or aerosols.

PERSONAL PROTECTION

Protective Equipment: Avoid contact with eyes.
Prevent generation of mists!
Avoid repeated and prolonged skin contact.
Always wash hands before smoking, eating, drinking or using the toilet.

FLAMMABILITY

Fire Hazards: Non combustible. Non flammable.

HAZARD IDENTIFICATION

GHS Classification: Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling Chemicals (GHS).
Hazard Statement: Causes skin irritation.
Causes serious eye irritation
Suspected of damaging fertility or the unborn child if ingested in high doses.
Storage and Transport No special precautions required
Proper Shipping Name None allocated
Precaution Safe Handling Always wash hands before smoking, eating, drinking or using the toilet. Avoid contact with eyes. Avoid generation of mists or aerosols.
Condition for Safe Storage No storage segregation is necessary. Store in a cool, dry place away from direct heat and sunlight.
Storage Regulations This product is classified as an S5 Poison and must be stored and handled according to the relevant State poisons regulations.

SAFE HANDLING INFORMATION

STORAGE AND HANDLING

Storage and Transport No special precautions required. Store in a closed container. Store locked up.
Proper Shipping Name None allocated
Precaution Safe Handling Always wash hands before smoking, eating, drinking or using the toilet. Avoid contact with eyes. Avoid generation of mists or aerosols.
Condition for Safe Storage No storage segregation is necessary. Store in a cool, dry place away from direct heat and sunlight.
Storage Regulations This product is classified as an S5 Poison and must be stored and handled according to the relevant State poisons regulations.

SPILLS AND DISPOSAL

Slippery when spilt. Avoid accidents, clean up immediately. Isolate leaking containers and stop leak if safe to do so. Use absorbent (soil or sand, sawdust, inert material, vermiculite). Sweep up, but avoid generating dust. Collect and seal in properly labelled drums for disposal. Wash away residues with water. In the event of a small spill, slush to sewer as a greatly diluted solution.

FIRE/EXPLOSION HAZARD

Fire/Explosive: Non combustible
Suitable Extinguish Media: Use water fog, foam, dry chemical or carbon dioxide for surrounding fires as governed by adjacent materials

Hazard:	No unusual fire or explosion hazards
Hazardous Reaction:	No Reactivity Data available
Hazchem Code:	None Allocated

TRANSPORT INFORMATION

Transport Information:	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
Storage & Transport:	No special precautions required.

EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Stds.	No exposure limits proposed by National Health & Medical Research Council
Biological Limit Values	None allocated for this product or its ingredients.
Engineering Controls	No special ventilation required. Avoid generation & inhalation of mists or aerosols.

OTHER INFORMATION

Ecotoxicity	Aquatic toxicity unknown
Persistence/Degradability	Biodegradability properties are unknown
Environmental Protection	No particular hazard to the environment
Safety Statement	Avoid contact with skin and eyes
Pkg. & Labelling	Not defined as a 'Dangerous Good' by the Australian Code for the Transport of Dangerous Goods by Road and Rail 20 Litre plastic pail/drum.

Every endeavour has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control.