

V-TRACE 307

Scale & Corrosion Inhibitor

Classified as: Hazardous according to the EPA Hazardous Substances (Minimum Degrees of Hazard) Notice 2020.

SECTION 1: SUBSTANCE AND SUPPLIER DETAILS

Product Name:	V-TRACE 307
Supplier:	Visentia Limited Unit 22 273 Neilson Street Onehunga Auckland 1061 New Zealand
Telephone:	+64 9 216 9824
Recommended Use:	Water Treatment Chemical
In Case of Emergency Contact:	0800 CHEMCALL (243 622)

SECTION 2: HAZARDS IDENTIFICATION

V-TRACE 307 is not classified as a Dangerous Good for Transport.

V-TRACE 307 is classified as hazardous according to criteria in the EPA Hazardous Substances (Hazard Classifications) Notice 2020.

Classified under the group standard "Water Treatment Chemicals (Subsidiary Hazard) Group Standard 2020".

HSNO Approval Number: HSR002684

HSNO Classifications:

- 6.3A – Irritating to skin
- 6.5B – Contact sensitiser
- 6.8B – Suspected reproductive or developmental toxicant
- 8.3A – Corrosive to eyes
- 9.1C – Harmful to aquatic life with long lasting effects

GHS Classifications:

- Skin irritation – Category 2
- Eye damage - Category 1
- Skin sensitisation – Category 1
- Reproductive Toxicity – Category 2
- Hazardous to the aquatic environment, chronic – Category 3

Hazard Statements: H315 – Causes skin irritation



- H318 – Causes serious eye damage
H317 – May cause an allergic skin reaction
H361 – Suspected of damaging fertility or the unborn child
H412 – Harmful to aquatic life with long lasting effects

GHS Pictograms:**Signal Word:****DANGER****Prevention Statements:**

- P201 – Obtain special instructions before use.
P202 – Do not handle until all safety precautions have been read and understood.
P261 – Avoid breathing mists/vapours/spray.
P264 – Wash hands, exposed skin, thoroughly after handling.
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.

Response Statements:

- P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.
P362 + P364 – Take off contaminated clothing and wash before re-use.
P321 – Specific treatment (no specific treatment required).
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 – Immediately call a POISON CENTRE or doctor/physician.
P333 + P308 + P313 – If skin irritation or rash occurs or if exposed or concerned: Get medical advice/attention.

Storage:

- P405 – Store locked up.

Disposal:

- P501 – In accordance with the EPA Hazardous Substances (Disposal) Notice 2017. Dispose of via an approved waste disposal contractor. Refer to Section 13 of this SDS.

SECTION 3:**COMPOSITION / INFORMATION ON INGREDIENTS**

Main Component	CAS Number	Concentration
1H-Benzotriazole, 4(or 5)-methyl-, sodium salt	64665-57-2	3 - < 4.5%
2-Butenedioic acid (2Z)-, disodium salt, reaction products with disodium phosphonate	143239-08-1	1-5%



Sodium borate, anhydrous	1330-43-4	1-5%
Sodium hydroxide	1310-73-2	< 0.5%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4: FIRST AID MEASURES

Workplace Facilities Required:	Eye wash and safety shower facilities should be provided.
If Inhaled:	Remove to fresh air. Seek medical attention if symptoms persist.
In Contact with Eye:	Hold eyes open, flush continuously with water until told to stop by a medical professional, or for at least 20 minutes. Seek immediate medical attention.
In Contact with Skin:	Wash skin with plenty of water, while removing contaminated clothing and shoes. Wash contaminated clothing before re-use. Seek medical attention if skin irritation develops and persists.
If Swallowed:	DO NOT INDUCE VOMITING. Rinse mouth. Give small quantities of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention. If vomiting occurs, keep head below hips to prevent aspiration to lungs.
Advice to Doctor:	Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Fire/Explosion Hazard:	Product is not flammable or combustible.
Suitable Extinguishing Media:	Use water spray or fog, foam, dry chemical powder, or carbon dioxide. Remove containers from path of fire if safe to do so. Cool exposed containers with water spray from a safe location.
Precautions in Connection with Fire:	May give off toxic fumes in a fire.
Advice for firefighters:	Wear full firefighting gear and self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

An emergency response plan meeting the requirements of Part 5 of the Health and Safety at Work (Hazardous Substances) Regulations 2017 is required when held in quantities greater than 1,000L.

Precautions:	Clear area of all unprotected personnel. Keep unnecessary and unprotected personnel from entering area. Avoid release to waterways. Avoid generating mist/spray.
Suitable Protective Equipment:	Emergency responders must use personal protective equipment, including gloves, protective overalls and footwear, safety goggles or face shield. Respiratory protection may be required if there is a risk of exposure to mist/spray.
Spill or Leak Procedures:	Stop leak if safe to do so. Contain the spill. Use inert material such as sand, earth, or vermiculite to absorb spill. Collect spilled material and place in a suitable, clean, chemical waste container. Ensure waste container is properly labelled.
Waste Disposal Methods:	Dispose of as per Section 13.



Emergency Preparation: Ensure there is appropriate and adequate personal protective equipment, trained personnel and clean up materials for management of accidental release.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with skin and eyes. Do not breathe mist/spray. Do not eat, drink, or smoke when using this product. Remove contaminated clothing and wash hands and face before entering eating areas.

Storage: Keep container tightly closed when not in use. Store locked up. Store in a cool, dry, well-ventilated area. Keep away from food, drink, and animal feed.

Site Storage Requirements: Site signage is required when quantities exceed 1,000L.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Exposure Standards NZ: No Workplace Exposure Standards have been established for this product.
For sodium hydroxide: Ceiling 2 mg/m³

Engineering Controls: Eyewash facilities and safety showers should be provided in the work area where there is a risk of exposure to eyes and skin. If use generates mist/spray and natural ventilation is insufficient, consider engineering controls such as local exhaust ventilation to ensure workers are not exposed to levels exceeding the exposure standards.

Personal Protective Equipment: Avoid contact with the skin and eyes. Avoid inhaling mist/spray.

Hand protection: Wear protective gloves that are resistant to the product, e.g. PVC. Refer to Australian and New Zealand Standard AS/NZS 2161 for protective gloves.

Skin and body protection: Use protective clothing. Remove any contaminated clothing to avoid prolonged contact with the skin. Wash work clothes regularly. Refer to Australian and New Zealand Standard AS/NZS 4501 for occupational protective clothing.

Eye protection: Use chemical safety goggles to protect eyes. Refer to AS/NZS 1336 for suitable eye and face protection.

Respiratory protection: Where there is inadequate ventilation and use results in the formation of mist/spray, use a respirator. Refer to AS/NZS 1715 and AS/NZS 1716 for suitable respiratory protection.

Other information: PPE selected must be impervious to the substance. Do not eat, smoke, or drink where material is handled, processed, or stored. Wash hands carefully before eating, drinking, or smoking. Handle in accordance with safe industrial hygiene practices.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Description:	Liquid	Colour:	Clear, yellow
Odour:	None	Odour Threshold:	NA
pH (25°C):	11	Solubility (water, 25°C):	Miscible
Melting/Freezing point:	Not determined	Boiling Point:	Not determined
Flammability:	Non-flammable	Flash Point:	Not determined
UEL/LEL:	Not determined	Vapour Pressure (20°C):	Not determined
Decomposition Temp:	NA	Autoignition Temp:	NA
Relative Density:	1.10	Vapour Density:	Not determined
Partition Coefficient:	Not determined	Viscosity:	Not determined



n-octanol/water

SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable under normal cool, dry storage conditions.
Reactivity:	May produce an exothermic reaction on contact with acids.
Conditions to Avoid:	Excessive heat.
Incompatibility:	Incompatible with strong acids and strong oxidisers.
Hazardous Decomposition:	Thermal decomposition may result in formation of toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Exposure

Acute Toxicity:	LD50 oral > 2000 mg/kg. LD50 dermal > 5000 mg/kg LC50 inhalation > 5 mg/L (dust or mist)
Inhalation:	Not an expected route of exposure under normal operating conditions. Inhalation of large volumes of mist/spray may cause irritation to mucous membranes.
Ingestion:	Ingestion of large quantities may cause nausea, diarrhoea, and vomiting.
Skin Contact:	Irritating to skin.
Eye Contact:	Corrosive to eyes.
Sensitiser:	Skin sensitiser. Not expected to be a respiratory sensitiser.

Chronic Exposure

Mutagen, Carcinogen, or Reproductive Toxicant:	Suspected of damaging fertility or the unborn child. Not expected to be carcinogenic or mutagenic.
Specific Target Organ Systemic Toxicity:	No known effects. Toxicity data is based on hazardous ingredient information and information in the EPA Chemical Classification and Identification Database.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	LC/EC ₅₀ > 10 - 100 mg/kg Product is harmful in the aquatic environment with long lasting effects.
Persistence/degradability:	No data.
Bio-accumulation:	No data.
Mobility:	Product is miscible in water. Ecotoxicity data is based on hazardous ingredient information.



SECTION 13: DISPOSAL CONSIDERATIONS

Disposal:	Recycle and reuse wherever possible. Dispose of waste product via an approved waste disposal contractor.
Disposal of Packaging:	Packaging may contain product residues and should be treated as hazardous. Where possible return to supplier for reuse/recycling. Dispose of packaging via an approved waste disposal contractor.

SECTION 14: TRANSPORT INFORMATION

V-TRACE 307 is not classified as a Dangerous Good for transport in accordance with NZS5433:2020, IMDG or IATA.

Ensure transportation methods prevent leakage from packages and collapsing loads.

SECTION 15: REGULATORY INFORMATION

Group Standard Allocation:	Water Treatment Chemicals (Subsidiary Hazard) Group Standard 2020
HSNO Approval Code:	HSR002684
HSNO Classifications:	6.3A, 6.5B, 6.8B, 8.3A, 9.1C
GHS Classifications:	Skin irritation – Category 2 Eye damage - Category 1 Skin sensitisation – Category 1 Reproductive toxicity – Category 2 Hazardous to the aquatic environment, chronic – Category 3
This substance triggers:	Compliance Certificate – NA Certified Handler – NA Quantity to be secured when unattended – NA Emergency Response Plan – 1,000L Secondary Containment – 1,000L Signage – 1,000L This substance is not required to be Tracked. All workplace personnel handling this substance are required to be trained on the safe handling and PPE requirements for the hazards associated with this substance.

SECTION 16: OTHER INFORMATION

The information provided in this Safety Data Sheet relates only to the specific material designated herein. This Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products.

This substance is approved under HSNO for use as a water treatment chemical. All reasonable care has been taken to ensure that the information and advice contained herein are from sources believed to be reliable and to represent the most up-to-date knowledge available at the date given in Section 16. No liability is assumed for any damages related to the use or misuse of this substance.



All chemical materials may present unknown hazards as people have varying degrees of sensitivity to chemicals. Therefore, this product should be used with caution. The information herein is given in good faith, but no warranty, express or implied is made.

SDS Issued: 20/05/2022

Reason for Revision: New product SDS

References: European Chemical Agencies Database
EPA Guide: Assigning a Hazardous Substance to a Group Standard, 2014

END OF SAFETY DATA SHEET