

Infosafe No™ 5GF6U	Issue Date : January 2020	Status : ISSUED
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 Product Name **Viper Brite Venom**

Classified as hazardous

## 1. Identification

<b>GHS Product Identifier</b>	Viper Brite Venom
<b>Product Code</b>	RT301V
<b>Company Name</b>	SuperCool Asia Pacific Pty Ltd (ABN 71 011 044 385)
<b>Address</b>	14 Motorway Circuit Ormeau QLD AUSTRALIA
<b>Telephone/Fax Number</b>	Tel: (07) 5549-4000 Fax: (07) 5549-4044
<b>Emergency phone number</b>	1800 628 133 (24/7)

## 2. Hazard Identification

**GHS classification of the substance/mixture** Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)  
Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.  
Eye Damage/Irritation: Category 1  
Skin Corrosion/Irritation: Category 1A  
Corrosive to Metals: Category 1

**Signal Word (s)** DANGER

**Hazard Statement (s)** May be corrosive to metals.  
Causes severe skin burns and eye damage.

**Pictogram (s)** Corrosion



**Precautionary statement – Prevention** Keep only in original container.  
Do not breathe dust/fume/gas/mist/vapours/spray.  
Wash contaminated skin thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statement – Response** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
Wash contaminated clothing before reuse.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
Immediately call a POISON CENTER or doctor/physician.  
Absorb spillage to prevent material damage.

**Precautionary statement – Storage** Store locked up.  
Store in corrosive resistant/ container with a resistant inner liner.

**Precautionary statement – Disposal** Dispose of contents/container to comply with local, national, international regulations.

## 3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Sodium hydroxide	1310-73-2	5-40 %
	Other ingredients determined not to be hazardous		

## 4. First-aid measures



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<b>First Aid Measures</b>	If poisoning occurs contact a doctor or Poisons Information Centre Phone Australia 131126, New Zealand 0800 764 766.
<b>Inhalation</b>	Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice.
<b>Ingestion</b>	Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Get to a doctor or hospital quickly.
<b>Skin</b>	For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.
<b>Eye contact</b>	Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical centre.
<b>First Aid Facilities</b>	Use should be made of an on-site approved first aid kit if required in the first instance until medical assistance is forthcoming. Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.
<b>Advice to Doctor</b>	Treat symptomatically. Show this SDS to the medical practitioner.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Foam, dry powder, carbon dioxide, water spray and sand.
<b>Unsuitable Extinguishing Media</b>	Do not use heavy water stream.
<b>Hazards from Combustion Products</b>	Thermal decomposition generates corrosive vapours.
<b>Special Protective Equipment for fire fighters</b>	Fire fighters to wear full body protective clothing with breathing apparatus. Deluge with water to cool containers. Evacuate area move upwind of fire.
<b>Hazchem Code</b>	2X

## 6. Accidental release measures

<b>Emergency Procedures</b>	Evacuate unnecessary personnel. Ventilate area.
<b>Personal Protection</b>	Equip clean-up crew with proper protection.
<b>Clean-up Methods - Small Spillages</b>	Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.
<b>Clean-up Methods - Large Spillages</b>	Clear area of all unprotected personnel. Prevent further leakage or spillage if safe to do so. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of sewers or waterways has occurred advise local emergency services.
<b>Environmental Precautions</b>	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

## 7. Handling and storage



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<b>Precautions for Safe Handling</b>	Avoid skin and eye contact and inhalation of dust, fumes, gas, mist, vapours and spray. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact during pregnancy and while nursing.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep only in original container. Store in a cool, dry, well-ventilated place and out of direct sunlight. Keep container closed when not in use. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks. This material is classified as a Dangerous Good Class 8 Corrosive as per the criteria of the Australian Dangerous Goods Code and must be stored in accordance with the relevant regulations. This material is a Scheduled Poison S6 and must be stored, maintained and used in accordance with the relevant regulations.
<b>Unsuitable Materials</b>	Sources of ignition. Direct sunlight.
<b>Additional information on precautions for use</b>	Always use clean and dry equipment to dispense the product. Dispensers should be cleaned before and after use. All dispensers should be washed out after use.

## 8. Exposure controls/personal protection

<b>Occupational exposure limit values</b>	No value assigned for this specific material by Safe Work Australia or Department of Labour New Zealand. However : TWA of Sodium hydroxide is 2mg/m3 (peak limitation)
<b>Biological Limit Values</b>	As per the 'National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)' the ingredients in this material do not have a Biological Limit allocated.
<b>Appropriate engineering controls</b>	Ensure ventilation is adequate to reduce air concentrations. Use with local exhaust ventilation or while wearing appropriate respirator. Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.
<b>Respiratory Protection</b>	Wear appropriate respirator if ventilation inadequate.
<b>Eye Protection</b>	Chemical goggles or face shield.
<b>Hand Protection</b>	Wear protective gloves.
<b>Personal Protective Equipment</b>	OVERALLS, SAFETY SHOES, FACE SHIELD OR AIR MASK, APRON, SAFETY GLASSES, GLOVES. Wear overalls, full-face shield, elbow-length impervious gloves, splash apron and rubber boots. Use with adequate ventilation. If inhalation risk exists, wear air-supplied mask meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.
<b>Body Protection</b>	Wear suitable protective clothing.
<b>Hygiene Measures</b>	Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid eye contact and repeated or prolonged skin contact. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. Physical and chemical properties

<b>Form</b>	Liquid
<b>Appearance</b>	Blue liquid.
<b>Odour</b>	Characteristic odour.
<b>Freezing Point</b>	<= 0C
<b>Boiling Point</b>	>= 100C



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**Solubility in Water** Soluble in water.  
**pH** >= 8.5 (8-9)  
**Viscosity** Not available  
**Density** >= 1.17 g/ml  
**Flash Point** Not applicable

## 10. Stability and reactivity

**Reactivity** Thermal decomposition generates corrosive vapours.  
**Chemical Stability** Not established.  
**Conditions to Avoid** Direct sunlight. Extremely high or low temperatures.  
**Incompatible Materials** Strong acids, strong bases.  
**Hazardous Decomposition Products** Fume, carbon monoxide, carbon dioxide. Corrosive vapours via thermal decomposition.  
**Possibility of hazardous reactions** Not established.

## 11. Toxicological Information

**Toxicology Information** Acute toxicity estimate (based on ingredients): >2,000 mg/Kg (oral & dermal). No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are shown below.  
**Acute Toxicity - Oral** Not classified.  
**Acute Toxicity - Dermal** Sodium hydroxide: LD50, dermal, rabbit - 1,350 mg/kg  
**Ingestion** Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.  
**Inhalation** Material may be an irritant to mucous membranes and respiratory tract.  
**Skin** Contact with skin will result in severe irritation. Corrosive to skin - may cause severe skin burns.  
**Eye** A severe eye irritant. Corrosive to eyes: contact can cause corneal burns. Contamination of eyes can result in permanent injury.  
**Respiratory sensitisation** This material has NOT been classified as a respiratory sensitiser.  
**Chronic Effects** No long-term exposure effects are known.  
**Serious eye damage/irritation** Eye: this material has been classified as a Category 1 Hazard (irreversible effects to eyes).  
**Skin corrosion/irritation** Skin: this material has been classified as a Category 1 Hazard (corrosive to skin).  
**Human Effects** Based on available data, the classification criteria are not met.

## 12. Ecological information

**Ecological Information** Readily biodegradable: 28 days.  
**Ecotoxicity** Sodium hydroxide:  
LC50 fishes 1 - 45.4mg/l (96 h; Salmo gairdneri (Oncorhynchus mykiss); Solution >=50%  
EC50 Daphnia 1 - 40.4mg/l (48 h; Ceriodaphnia sp; nominal concentration)  
LC50 fish 1 - 189mg/l (48 h; Leuciscus idus)  
TLM fish 1 - 99 mg/l (48 h; Lepomis macrochirus)  
TLM fish 2 - 125ppm (96 h; Gambusia affinis)



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**Persistence and degradability**      Biodegradable in soil and water.  
**Mobility**      No information available.  
**Bioaccumulative Potential**      Not applicable.  
**Other Information**      No other effects known. Avoid release to the environment.

### 13. Disposal considerations

**Disposal Considerations**      Dispose of in a safe manner. Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.  
If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international regulations.

### 14. Transport information

**Transport Information**      This material is a Class 8 Corrosive Substance according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Class 8 - Corrosive Substances are incompatible in a placard load with any of the following:  
- Class 1, Explosives,  
- Class 4.3, Dangerous When Wet Substances,  
- Class 5.1, Oxidising Agents & Class 5.2 - Organic Peroxides,  
- Class 6, Toxic Substances (where the Toxic substances are cyanides and the corrosives are acids),  
- Class 7, Radioactive Substances,  
- Class 8, Corrosive Substances (concentrated strong acid is to be segregated from strong alkali),  
and are incompatible with food and food packaging in any quantity.

**U.N. Number**      1760

**UN proper shipping name**      CORROSIVE LIQUID, N.O.S.

**Transport hazard class(es)**      8

**Hazchem Code**      2X

**Packing Group**      II

**IERG Number**      37

### 15. Regulatory information

**Poisons Schedule**      S6

### 16. Other Information

**Literature References**      Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice. Standard for the Uniform Scheduling of Medicines and Poisons. Australian Code for the Transport of Dangerous Goods by Road & Rail. Globally Harmonised System of classification and labelling of chemicals. Raw material supplier SDS.

**Other Information**      SDS version: 1  
Reason for revision: new product

DO NOT MIX WITH OTHER CHEMICALS WITHOUT PRIOR CONSULTATION WITH THE MANUFACTURER. Always use product as directed. Never return any unused material to original drum.

Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely



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handle and use the product in the workplace. Since SuperCool Asia Pacific Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

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