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Product Name **Viper Brite**

Classified as hazardous

1. Identification

GHS Product Identifier	Viper Brite
Product Code	RT300G
Company Name	SuperCool Asia Pacific Pty Ltd (ABN 71 011 044 385)
Address	14 Motorway Circuit Ormeau QLD AUSTRALIA
Telephone/Fax Number	Tel: (07) 5549-4000 Fax: (07) 5549-4044
Emergency phone number	(07) 5549-4000 (Mon-Fri; 8:30-4:30 AEST)
Recommended use of the chemical and restrictions on use	Alkaline based coil cleaner / degreaser / brightener

2. Hazard Identification

GHS classification of the substance/mixture	Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia. Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition) Corrosive to Metals: Category 1 Eye Damage/Irritation: Category 1 Skin Corrosion/Irritation: Category 1A
Signal Word (s)	DANGER
Hazard Statement (s)	May be corrosive to metals. Causes severe skin burns and eye damage. Causes serious 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 SWALLOWED: rinse mouth. Do NOT induce vomiting. 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 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Absorb spillage to prevent material damage.
Precautionary statement – Storage	Store locked up. Store in corrosive resistant/approved container with a resistant inner liner.
Precautionary statement – Disposal	Dispose of contents/container to an approved waste facility.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Sodium hydroxide	1310-73-2	10-<30 %

Classified as hazardous

Ingredients	Name	CAS	Proportion
	Other ingredients determined not to be hazardous		

4. First-aid measures

First Aid Measures If poisoning occurs contact a doctor or Poisons Information Centre Phone Australia 131126, New Zealand 0800 764 766.

Inhalation 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.

Ingestion 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.

Skin 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.

Eye contact 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.

First Aid Facilities 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.

Advice to Doctor Treat symptomatically. Show this SDS to the medical practitioner.

5. Fire-fighting measures

Fire Fighting Measures Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Suitable extinguishing media Not combustible, however, if material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

Hazards from Combustion Products This product is non combustible, however following evaporation of aqueous component residual material can burn if ignited. On burning may emit toxic fumes.

Special Protective Equipment for fire fighters Fire fighters to wear full body protective clothing with breathing apparatus. Deluge with water to cool containers. Evacuate area move upwind of fire.

Hazchem Code 2X

6. Accidental release measures

Clean-up Methods - Small Spillages 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.

Clean-up Methods - Large Spillages 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.

Environmental Precautions Review local regulations before release to the environment.

7. Handling and storage

Precautions for Safe Handling	Avoid skin and eye contact and inhalation of vapour, mist or aerosols.
Conditions for safe storage, including any incompatibilities	Store in a cool, dry, well-ventilated place and out of direct sunlight. 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.
Additional information on precautions for use	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

Occupational exposure limit values	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)
Biological Limit Values	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.
Appropriate engineering controls	Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. 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.
Personal Protective Equipment	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.
Hygiene Measures	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

Form	Liquid
Appearance	Blue liquid with mild odour
Boiling Point	Approximately 100°C
Solubility in Water	Miscible with water
Specific Gravity	1.17 @ 20°C
pH	>14
Vapour Density (Air=1)	>1
Viscosity	Not available
Flash Point	Not applicable
Flammability	Non flammable

10. Stability and reactivity

Reactivity	No known hazardous reactions.
Chemical Stability	This material is thermally stable under normal conditions of storage and use.
Conditions to Avoid	Elevated temperatures and sources of ignition.
Incompatible Materials	Oxidising agents
Hazardous Decomposition Products	Oxides of carbon and nitrogen, smoke and other toxic fumes.
Possibility of hazardous reactions	Reacts violently with acids.

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 - Inhalation	Acute toxicity estimate (based on ingredients): >20 mg/L
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 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 been classified as not a respiratory sensitiser.
Carcinogenicity	This material has been classified as non-hazardous.
Reproductive Toxicity	This material has been classified as non-hazardous.
STOT-single exposure	This material has been classified as non-hazardous.
STOT-repeated exposure	This material has been classified as non-hazardous.
Aspiration Hazard	This material has been classified as non-hazardous.
Chronic Effects	No long-term exposure effects are known.
Mutagenicity	This material has been classified as non-hazardous.
Skin corrosion/irritation	Eye: this material has been classified as a Category 1 Hazard (irreversible effects to eyes). Skin: this material has been classified as a Category 1 Hazard.

12. Ecological information

Ecotoxicity	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L.
Persistence and degradability	No data is available on the product itself.
Mobility	No data is available on the product itself.
Bioaccumulative Potential	Risk of bioaccumulation in an aquatic species is low.

13. Disposal considerations

Disposal Considerations	Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see ôSection 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 segragated 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

Other Information

MARINE TRANSPORT
Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
UN No: 1760
Dangerous Goods Class: 8
Packing Group: II
Proper Shipping Name: CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE)
AIR TRANSPORT
Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
UN No: 1760
Dangerous Goods Class: 8
Packing Group: II
Proper Shipping Name: CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE)

15. Regulatory information

Poisons Schedule

S6

AICS (Australia)

All ingredients listed

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: 3
Reason for revision: Change in colour

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 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.
...End Of MSDS...