

## **SECTION 1. IDENTIFICATION**

Product Name **BLUE CORAL AHS HI PH 3100**  
Material number V19401

**Recommended use of the chemical and restrictions on use**  
Recommended use Transportation Wash

Australian Distributor Velocity Vehicle Care Pty Ltd  
10 Holmwood Rd, Tottenham, VIC, 3012  
Ph: 1300 990 074  
Fax: 03 8669 4179  
Email: [orders@velocityvehiclecare.com](mailto:orders@velocityvehiclecare.com)  
Emergency Number **Australia: 1800 127 406**

NZ Distributor Velocity Vehicle Care NZ Ltd Level 4  
3 London St, Hamilton, 3204  
Phone: 0800 483 562 (0800 4 VELOC)  
Fax: 07 974 9540  
Email: [orders@velocityvehiclecare.com](mailto:orders@velocityvehiclecare.com)  
Emergency Number **New Zealand: 0800 243 622**

Overseas Supplier Zep Inc

## **SECTION 2. HAZARDS IDENTIFICATION**

### **Dangerous Goods Classification**

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code 7th ed.) for transport by Road and Rail.

Classified as a Dangerous Good under NZS 5433:2012 Transport of Dangerous Goods on Land.

### **GHS Classification**

**Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) 7th ed.**

**Skin corrosion** Category 1B

**Eye damage** Category 1

**GHS label elements**

**Hazard pictograms**



**Signal Word**

**DANGER**

**Hazard statements**

**H314 Causes severe skin burns and eye damage.**

**Precautionary statements**

**Prevention**

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves, protective clothing, eye protection and face protection.

**Response**

P301 + P330 + P331 + P310 **IF SWALLOWED**: Rinse mouth. Do NOT induce vomiting. Immediately call a doctor or medical centre.

P303 + P361 + P353 **IF ON SKIN** (or hair): Take off immediately all contaminated clothing. Rinse skin with shower

P304 + P340 + P310 **IF INHALED**: Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor or medical centre.

P305 + P351 + P338 + P310 **IF IN EYES**: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor or medical centre.

P333 + P313 If skin irritation or rash occurs: Get medical attention.

P363 Wash contaminated clothing before reuse.

**Storage**

P405 Store locked up.

**Disposal**

P501 Dispose of contents & container in accordance with local, regional & national Regulations.

## **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

### **Hazardous components**

Chemical name	CAS-No.	Concentration [%]
sodium hydroxide	1310-73-2	≥ 10 - < 20
sodium N-(2-carboxyethyl)-N-(2-ethylhexyl)-betaalaninate	94441-92-6	≥ 5 - < 10
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	≥ 1 - < 5
potassium hydroxide	1310-58-3	≥ 1 - < 5
sodium xylenesulphonate	1300-72-7	≥ 1 - < 5
tetrasodium ethylenediaminetetraacetate	64-02-8	≥ 1 - < 5
Sulfonic acids, C14-16-alkane hydroxy and C1416-alkene, sodium salts	68439-57-6	≥ 1 - < 5
Alcohols, C10-14, ethoxylated	66455-15-0	≥ 1 - < 5
Naphtha (petroleum), hydrotreated light	64742-49-0	≥ 1 - < 5
octan-1-ol	111-87-5	≥ 0.1 - < 1

The exact percentages of disclosed substances are withheld as trade secrets.

## **SECTION 4. FIRST AID MEASURES**

<b>General advice</b>	Move non-essential personnel away from treatment area, spill, or dangerous area. Do not leave the victim unattended. Symptoms of exposure may appear several hours later. Have this safety data sheet available for emergency/medical responders.
<b>If inhaled</b>	Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur. If unconscious, place in recovery position and seek medical advice.
<b>In case of skin contact</b>	Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. Wash off immediately with plenty of water for at least 20 minutes. Remove contaminated clothing and shoes. If skin looks burned, cover burn with a loose sterile gauze dressing. Take victim to hospital or a medical centre as soon as possible as untreated wounds resulting from chemical burns heal slowly and with difficulty Wash contaminated clothing before re-use.
<b>In case of eye contact</b>	Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If symptoms persist after medical treatment, consult a specialist.
<b>If swallowed</b>	Keep respiratory tract clear. Rinse mouth with water. If vomiting occurs, have victim lean forward to reduce risk of aspiration. Rinse mouth with water again. Immediately call a Poison Centre or doctor. Treatment is urgently required. Transport to a hospital. Do <b>NOT</b> induce vomiting unless directed to do so by a doctor or Poison Centre. Never give anything by mouth to an unconscious person.
<b>Protection of first aiders</b>	If potential for exposure exists refer to Section 8 for specific personal protective equipment.
<b>Notes to physician</b>	Treat symptomatically as for strongly alkaline substances. Effects may be delayed.
<b>Most important symptoms and effects, both acute and delayed</b>	Effects are immediate and delayed. Symptoms may include blistering, irritation, burns, and pain. Effects are dependent on exposure (dose, concentration, contact time). Causes severe skin burns and eye damage. Review section 2 of SDS to see all potential hazards.

**SECTION 5. FIREFIGHTING MEASURES**

<b>Suitable extinguishing media</b>	Dry chemical Alcohol-resistant foam Carbon dioxide (CO <sub>2</sub> ) Water spray
<b>Unsuitable extinguishing media</b>	Do not use high volume water jets as an extinguisher, as this will spread the fire.
<b>Specific hazards during firefighting</b>	Not flammable or combustible. May produce toxic fumes.
<b>Hazardous combustion products</b>	Carbon dioxide (CO <sub>2</sub> ) Carbon monoxide Smoke Nitrogen oxides (NO <sub>x</sub> )
<b>Special protective equipment for firefighters</b>	Firefighters are to wear self-contained breathing apparatus if in risk of exposure to fumes or products of combustion.
<b>Specific extinguishing methods</b>	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. In the event of fire and/or explosion do not breathe fumes. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions, protective equipment and emergency procedures</b>	Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in Sections 7 and 8.
<b>Environmental precautions</b>	Do not allow contact with soil. Prevent runoff to waterways, drains, stormwater or sewer.
<b>Methods and materials for containment and cleaning up</b>	Stop leak if safe to do so. Contain spillage and collect with non-combustible absorbent material e.g., sand, earth, diatomaceous earth, vermiculite, and place in container for disposal according to local / national regulations (see Section 13). Flush away traces with water. For large spills (>5L), dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

## **SECTION 7. HANDLING AND STORAGE**

### **Advice on safe handling**

Do not breathe mists, vapours or spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not get in eyes, on skin, or on clothing. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8.

### **Conditions for safe storage**

Do not store near acids or strong oxidising agents. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Check regularly for leaks. Do not store in aluminium or galvanised containers. Use only plastic bungs. Electrical installations / working materials must comply with the technological safety standards.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
sodium hydroxide	1310-73-2	TWA	2 mg/m <sup>3</sup>	SWA/NZ WES
potassium hydroxide	1310-58-3	TWA	2 mg/m <sup>3</sup>	SWA/NZ WES

<b>Biological occupational exposure limits</b>						
Component	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
<b>None allocated</b>						

### **Engineering measures**

Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

### **Personal protective equipment**

#### **Respiratory protection**

Avoid breathing mists or sprays. Use respiratory protection unless adequate local exhaust ventilation is provided, or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

#### **Hand protection**

Wear chemical resistant gloves e.g. nitrile, neoprene, butyl, natural rubber.

#### **Eye protection**

Safety glasses with side-shields. Face shield.

#### **Skin protection**

Wear protective clothing and footwear.

#### **Hygiene measures**

Handle in accordance with good industrial hygiene and safety practices. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable wash facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	liquid
Colour	brown
Odour	slight
Odour Threshold	No data available
pH	13 - 14
Melting point/freezing point	> 100 °C
Boiling point	> 100 °C
Flash point	No data
Evaporation rate	No data available
Upper explosion limit	No data available
Lower explosion limit	No data available
Vapour pressure	No data available
Relative vapour density	No data available
Density	1.275 - 1.296 g/cm <sup>3</sup>
Water solubility	soluble
Solubility in other solvents	Not determined
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	Not determined
Thermal decomposition	No data available
Viscosity, kinematic	No data available

**SECTION 10. STABILITY AND REACTIVITY**

Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Reacts violently with acids: will generate excessive heat and cause spattering. Will generate excessive heat when mixed with water. When diluting, always add the product to the water to avoid excessive spattering. Contact with light metals (like aluminium, zinc, tin) may evolve combustible/explosive/flammable hydrogen gas.
Conditions to avoid	Extremes of temperature Acids
Incompatible materials	Metals including tin, aluminium and zinc.
Hazardous decomposition products	Combustion decomposition products include: carbon monoxide carbon dioxide unburned hydrocarbons (smoke)

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Potential Health Effects**

**Information on possible routes of exposure**

Possible workplace exposure routes are: skin, eyes, inhalation

**Acute symptoms related to exposure**

Eye

Risk of serious eye damage. This product can produce chemical burns to the eye following direct contact. Symptoms include pain, burning, redness, stinging, swelling, cloudiness and blurred vision.

Skin

This product can produce severe chemical burns following direct contact with the skin. Effects include burning sensation, blistering, pain, redness, swelling and rash.

Inhalation

This product may cause irritation of the respiratory tract, with temporary burning sensation in the nose, coughing, choking and difficulty breathing. There may be dizziness, headache, nausea and weakness.

Ingestion

This product can produce chemical burns within the oral cavity and gastrointestinal tract following ingestion. Effects include vomiting, diarrhoea and bloating.

Acute oral toxicity

Acute toxicity estimate: 3,954 mg/kg  
Method: Calculation method

Acute inhalation toxicity

no data available

Acute dermal toxicity

no data available

Skin corrosion/irritation

Causes severe burns. Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation

Causes severe eye damage. May cause irreversible eye damage.

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

STOT - single exposure

no data available

STOT - repeated exposure

no data available

Aspiration toxicity

no data available

**Components (Ingredients)**

Acute oral toxicity

sodium hydroxide  
LD50 Rat 140-340 mg/kg  
potassium hydroxide  
LD50 Rat 265 mg/kg

Acute inhalation toxicity

sodium hydroxide  
LC50 Mouse 39,000 mg/m<sup>3</sup> 4 hrs.

Acute dermal toxicity

sodium hydroxide  
LD50 Rabbit: 1,350 mg/kg

Skin corrosion/irritation

sodium hydroxide & potassium hydroxide  
corrosive to skin

Serious eye damage/eye irritation

sodium hydroxide & potassium hydroxide  
very corrosive to eyes

Version 3.0

**Safety Data Sheet**  
**BCL AHS HI PH 3100**

Revised 28 June 2021

Respiratory or skin sensitisation	sodium hydroxide & potassium hydroxide not known to be respiratory or skin sensitisers
Germ cell mutagenicity	sodium hydroxide & potassium hydroxide No evidence for mutagenic activity.
Carcinogenicity	sodium hydroxide & potassium hydroxide No evidence to be carcinogenic in exposure situations that are relevant to humans.
Reproductive toxicity	sodium hydroxide & potassium hydroxide no risk expected
STOT - repeated exposure	no data available

**SECTION 12. ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	This product is expected to be harmful in the aquatic environment due to its high pH.
<b>Toxicity to fish</b>	no data available
<b>Toxicity to daphnia and other aquatic invertebrates</b>	no data available
<b>Toxicity to algae</b>	no data available
<b>Components (Ingredients)</b>	sodium hydroxide
<b>Toxicity to fish</b>	LC50 Carassius auratus (Goldfish), 160 mg/L for 24 hrs. potassium hydroxide LC50 (Goldfish), 224 mg/L for 24 hrs.
<b>Persistence and degradability</b>	No data on product. Contains a mixture of inorganic and organic materials. The major organic materials are biodegradable.
<b>Bioaccumulative potential</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Mobility in soil</b>	No data available

**SECTION 13. DISPOSAL CONSIDERATIONS**

<b>Disposal methods</b>	
Waste from residues	Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Do not dispose of waste into sewer unless allowed via a local trade waste agreement. Dispose of wastes to an approved waste disposal facility.
Contaminated packaging	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Empty containers should be taken to an approved waste handling site for recycling or disposal. . Until all traces of residues have been removed, the container must be treated as a Dangerous Good and stored accordingly.



**SECTION 14. TRANSPORT INFORMATION**

**Road and Rail Transport**

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code 7th ed.) for Transport by Road and Rail; Classified as Dangerous Goods according to NZS 5433:2012 Transport of Dangerous Goods on Land.

**Land transport (ADG)**

UN number	1824
Shipping name	Sodium hydroxide solution
Class	8
Packing group	II
Hazchem Code	2R

**Marine Transport**

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

**Marine transport (IMDG/IMO)**

UN number	1824
Shipping name	Sodium hydroxide solution
Class	8
Packing group	II
Marine pollutant	No
EMS/Spill	F-A, S-B

**Air Transport**

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

**Air transport (IATA)**

UN number	1824
Shipping name	Sodium hydroxide solution
Class	8
Packing group	II

**SECTION 15. REGULATORY INFORMATION**

AICS Poisons Schedule NZ Approval Code	All substances listed S6 NZ Group Standard Cleaning Products (Corrosive) Group Standard 2020 (HSR002526)
United States TSCA Inventory Canadian Domestic Substances List (DSL)	On TSCA Inventory This product contains one or several components that are not on the Canadian DSL nor NDSL.

**SECTION 16. OTHER INFORMATION**

<b>AICS</b>	<b>Australian Inventory of Chemical Substances</b>
<b>SWA</b>	<b>Safe Work Australia</b>
<b>NZ</b>	<b>New Zealand</b>
<b>IARC</b>	<b>International Agency for Research on Cancer</b>
<b>WES</b>	<b>Workplace Exposure Standards</b>
<b>GHS</b>	<b>Globally Harmonised System of Classification and Labelling of Chemicals</b>
<b>HSNO</b>	<b>Hazardous Substances and New Organisms</b>
<b>EMS</b>	<b>Emergency Spill Procedures</b>
<b>STOT</b>	<b>Specific Target Organ Toxicity</b>
<b>TWA</b>	<b>Time Weighted Average</b>
<b>STEL</b>	<b>Short-Term Exposure Limit</b>
<b>CAS</b>	<b>Chemical Abstracts Service</b>
<b>DNEL</b>	<b>Derived No Effect Level</b>
<b>TSCA</b>	<b>Toxic Substances Control Act</b>
<b>DSL</b>	<b>Domestic Substances List</b>
<b>NDSL</b>	<b>Non-Domestic Substances List</b>
<b>AU OEL</b>	<b>Australian Occupational Exposure Limit</b>

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