

SECTION 1. IDENTIFICATION

Product Name	Blue Coral Hi pH 3692
Material number	3755201
Recommended use	Liquid alkaline detergent & pre-soak
Product dilution information	0.2 % - 1.7 %
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
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
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

Product AS SOLD

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

Hazard Categories

Corrosive to metals	Category 1
Skin corrosion/irritation	Category 1B
Serious eye damage/eyeirritation	Category 1

Product AT RECOMMENDED USE DILUTION

Not a hazardous substance or mixture.

GHS label elements

Hazard pictograms



Signal Word

DANGER

Hazard statements

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage

Precautionary statements

Prevention

P260 Do not breathe mists.

P264 Wash skin thoroughly after handling.

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

P234 Keep only in original packaging.

Response

P301 + P330 + P331 **IF SWALLOWED**: Rinse mouth. Do NOT induce vomiting.

P305 + P351 + P338 **IF IN EYES**: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

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

P363 Wash contaminated clothing before reuse.

P304 + P340 **IF INHALED**: Remove person to fresh air and keep comfortable for breathing.

P310 Immediately call for medical assistance.

P390 Absorb spillage to prevent material damage.

Storage

P405 + P406 Store locked up in corrosive resistant container or container with a resistant inner liner.

Disposal

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

**Product AT
RECOMMENDED USE
DILUTION**

Precautionary statements Prevention: Wash hands thoroughly after handling.

Response: Get medical advice/ attention if you feel unwell.

Storage: Store in accordance with local regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure Substance / Mixture Mixture

Hazardous components

Chemical name	CAS-No.	Concentration [%]
sodium hydroxide	1310-73-2	5 - 10
ethylenediamine tetraacetate	64-02-8	1 - 5

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

Product AT RECOMMENDED USE DILUTION

Not classified as hazardous

SECTION 4. FIRST AID MEASURES

General advice Move non-essential personnel away from treatment area, spill, or dangerous area.
Have this safety data sheet available for emergency/medical responders.

If inhaled Remove victim from area of 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. For all but the most minor symptoms arrange for patient to be seen by a doctor as soon as possible, either on site or at the nearest hospital.

In case of skin contact Take off contaminated clothing and shoes immediately. Wash the skin immediately with plenty of water for at least 15 minutes. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. Wash clothing before reuse.

In case of eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately. Continue to rinse during transport. Protect unharmed eye. Small amounts splashed into eyes can cause irreversible tissue damage and blindness.

If swallowed Rinse mouth thoroughly with water and then drink plenty of water. Never give anything by mouth to an unconscious person. Take victim immediately to hospital. Do NOT induce vomiting as this may cause chemical burns in mouth and throat.
Contact the Poison's Information Centre (Australia 131 126; New Zealand 0800 764 766).

Protection of first aiders	If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to physician	Treat symptomatically. Can cause corneal burns.
Most important symptoms and effects, both acute and delayed	See Section 11 for more detailed information on health effects and symptoms.

**Product AT
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DILUTION**

In case of eye contact	Rinse with plenty of water.
In case of skin contact	Rinse with plenty of water.
If swallowed	Rinse mouth with water. Get medical attention if symptoms occur. Contact the Poison's Information Centre (Australia 131 126; New Zealand 0800 764 766).
If inhaled.	Get medical attention if symptoms occur

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).
Unsuitable extinguishing media	No data
Specific hazards during firefighting	Not combustible, however following evaporation of aqueous component residual material can decompose if involved in a fire, emitting toxic fumes. Contact with metals may liberate hydrogen gas which is extremely flammable.
Hazardous combustion products	Decomposition products may include the following materials: Carbon oxides Sulfur oxides Nitrogen oxides (NOx) Metal oxides
Special protective equipment for firefighters	Firefighters are to wear self-contained breathing apparatus if in risk of exposure to fumes or products of combustion.
Specific extinguishing methods	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.
HAZCHEM Code	2R

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	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.
Environmental precautions	Do not allow contact with soil. Prevent runoff to waterways, drains, stormwater or sewer.

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Methods and materials for containment and cleaning up

Stop leak if safe to do so. Contain spillage, and then 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.

Product AT
RECOMMENDED USE
DILUTION

Personal precautions, protective equipment and emergency procedures

Refer to protective measures listed in Sections 7 and 8.

Environmental precautions
Methods and materials for containment and cleaning up

Prevent runoff to waterways, drains and stormwater. Same as for undiluted product.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling

Do not swallow. 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.

Conditions for safe storage

Store in a cool, dry, well ventilated place. Store away from incompatible materials described in Section 10. Store away from foodstuffs. Keep out of reach of children. Keep container tightly closed. Do not store in aluminium or galvanised containers nor use die-cast zinc or aluminium bungs, plastic bungs should be used. Check regularly for leaks.

Storage temperature

Product AT
RECOMMENDED USE
DILUTION

Advice on safe handling

Wash hands after handling. For personal protection see section 8.

Conditions for safe storage

Keep out of reach of children. Store in suitable labelled containers. Do not mix with other chemicals. Keep container tightly closed.

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	Peak limit	2 mg/m3	AU OEL

Biological occupational exposure limits
Engineering measures

None allocated.

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

Personal protective equipment

Respiratory protection

Avoid breathing mists or sprays. If working in a poorly ventilated area and exposure limits may be exceeded, wear a respirator with ABEK-P2 cartridge or an N95 filter.

Hand protection
Eye protection

Elbow-length impervious gloves
Chemical goggles, face shield.

Skin protection

Wear overalls, splash apron or equivalent chemical impervious outer garment, and rubber boots.

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.

Product AT RECOMMENDED USE DILUTION

Engineering measures

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Eye protection

No special protective equipment required when used as directed, however it is good practice to wear safety glasses when handling chemicals.

Hand protection

No special protective equipment required when used as directed, however it is good practice to wear impervious gloves when handling chemicals.

Skin protection

No special protective equipment required when used as directed.

Respiratory protection

No personal respiratory protective equipment normally required when used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product	Product AT RECOMMENDED USE DILUTION
Appearance	liquid	liquid
Colour	clear, light blue	colourless
Odour	odourless	odourless
Odour threshold	Not applicable	Not applicable
pH	11.5 - 12.5, 100 %	8.0 - 9.5
Melting point/freezing point	no data available	
Boiling point	> 100 °C	
Flash point	Not applicable. Does not sustain combustion	
Evaporation rate	no data	
Upper explosion limit	no data	
Lower explosion limit	no data	
Vapour pressure	no data	
Relative vapour density	no data	
Density	1.11 - 1.14	
Water solubility	soluble	
Solubility in other solvents	no data	

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Partition coefficient: n-octanol/water	no data
Auto-ignition temperature	no data
Thermal decomposition	no data
Viscosity, kinematic	no data

SECTION 10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Reacts violently with acids. Reacts exothermically on dilution with water.
Conditions to avoid	Freezing temperatures
Incompatible materials	Incompatible with ammonium salts , aluminium , tin , and zinc .
Hazardous decomposition products	Decomposition products may include the following materials: carbon oxides nitrogen oxides (NOx) sulfur oxides metal oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Potential Health Effects

Information on possible routes of exposure	Possible workplace exposure routes are: Inhalation, Eye contact, Skin contact
Acute symptoms related to exposure	
Eye	A severe eye irritant. Corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury
Skin	Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns.
Inhalation	Breathing in mists or aerosols may produce respiratory irritation.
Ingestion	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.
Acute oral toxicity	Acute toxicity estimate : > 2,000 mg/kg (calculation method)
Acute inhalation toxicity	no data available
Acute dermal toxicity	no data available
Skin corrosion/irritation	no data available
Serious eye damage/eye irritation	no data available
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

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**Components
(Ingredients)**

Acute oral toxicity	Sodium hydroxide: LD50 Rat : 2000mg/Kg Oral LDLO Rabbit : 500mg/Kg ethylenediamine tetraacetate: LD50 rat 1780-2000 kg/mg
Acute inhalation toxicity	no data
Acute dermal toxicity	No data
Skin corrosion/irritation	Sodium hydroxide: rabbit : 500mg/24hr - Severe irritation
Serious eye damage/eye irritation	Sodium hydroxide: Rabbit, Adult : 50mg/24hr - Severe irritation
Respiratory or skin sensitisation	No data
Germ cell mutagenicity	No data
Carcinogenicity	No data
Reproductive toxicity	No data
STOT - repeated exposure	Repeated skin contact may cause dermatitis.

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RECOMMENDED USE
DILUTION**

Eye contact	May cause irritation, watering, stinging of the eye.
Skin contact	Repeated or prolonged contact can have a drying effect on the skin leading to dermatitis.
Ingestion	No symptoms known or expected, however in some individuals may cause nausea.
Inhalation	No symptoms known or expected.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxicity to fish	no data available
Toxicity to daphnia and other aquatic invertebrates	no data available
Toxicity to algae	no data available

Components (Ingredients)

Toxicity to fish	ethylenediamine tetraacetate 96 h LC50 Fish: 121 mg/l
Toxicity to daphnia	sodium hydroxide 48 h EC50: 40 mg/l
Persistence and degradability	No data on product. Major component, sodium hydroxide is an inorganic substance.
Bioaccumulative potential	No data available
Partition coefficient: n-octanol/water	No data available
Mobility in soil	No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility. Where local regulations allow, diluted, pH-adjusted waste may be sent to sewer.
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. Containers must remain labelled until all residues and traces of material have been removed.

Product AT RECOMMENDED USE DILUTION

Waste from residues	Where local regulations allow, diluted, pH-adjusted waste may be sent to sewer.
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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 a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.

UN number	1824
Description of the goods	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.

UN number	1824
Description of the goods	SODIUM HYDROXIDE SOLUTION
Class	8
Packing group	II
Marine pollutant	No
EMS (Fire/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.

UN number	1824
Description of the goods	SODIUM HYDROXIDE SOLUTION
Class	8
Packing group	II

SECTION 15. REGULATORY INFORMATION

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

SECTION 16. OTHER INFORMATION

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

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