

SECTION 1. IDENTIFICATION

Product Name **BLUE CORAL AHS LO pH 1100**
Material number V19601

Recommended use of the chemical and restrictions on use

Recommended use Low pH pre-soak vehicle cleaner

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

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

Hazard Categories

| | |
|-----------------------------------|-------------|
| Skin corrosion/irritation | Category 1B |
| Serious eye damage/eye irritation | Category 1 |
| Acute toxicity (Oral) | Category 4 |

GHS label elements

Hazard Pictograms



Signal Word

DANGER

Hazard statements

H314 Causes severe skin burns and eye damage.

H302 Harmful if swallowed.

Precautionary statements

Prevention

P260 Do not breath mists.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

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

Response

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

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

P363 Wash contaminated clothing before reuse.

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

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 for medical assistance.

Storage

P405 Store locked up.

Disposal

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

Other hazards

Do NOT mix with bleach or other chlorinated products – will cause toxic chlorine gas to be produced.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture Mixture

Hazardous components

| Chemical name | CAS-No. | Concentration [%] |
|--|----------------|--------------------------|
| benzenesulfonic acid, C10-16-alkyl derivs. | 68584-22-5 | ≥10-<20 |
| sulfuric acid | 7664-93-9 | ≥10-<20 |
| sulfonic acids, C14-16-alkane hydroxy and C1416-alkene, sodium salts | 68439-57-6 | ≥5-<10 |
| (2-methoxymethylethoxy)propanol (Mixture of isomers) | 34590-94-8 | ≥5-<10 |
| citric acid | 77-92-9 | ≥5-<10 |
| alcohols, C10-14, ethoxylated | 66455-15-0 | ≥1 - < 5 |
| sulfonic acids, petroleum, sodium salts | 68608-26-4 | ≥1 - < 5 |
| 2-butoxyethanol | 111-76-2 | ≥1 - < 5 |
| amines, tallow alkyl, ethoxylated | 61791-26-2 | ≥1 - < 5 |
| alcohols, C12-15, ethoxylated | 68131-39-5 | ≥1 - < 5 |
| benzyl alcohol | 100-51-6 | ≥1 - < 5 |
| sodium xylenesulfonate | 1300-72-7 | ≥1 - < 5 |

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

SECTION 4. FIRST AID MEASURES

| | |
|-----------------------------------|---|
| General advice | <p>Move non-essential personnel away from treatment area, spill, or dangerous area. Have this safety data sheet available for emergency/medical responders.</p> <p>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.</p> |
| If inhaled | <p>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.</p> |
| In case of skin contact | <p>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.</p> |
| In case of eye contact | <p>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.</p> |
| If swallowed | <p>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 NOT induce vomiting unless directed to do so by a doctor or Poison Centre. Never give anything by mouth to an unconscious person.</p> |
| Protection of first aiders | <p>If potential for exposure exists refer to Section 8 for specific personal protective equipment.</p> |
| Notes to physician | <p>Treat symptomatically as for strong acids.</p> |

Most important symptoms and effects, both acute and delayed

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

| | |
|--|--|
| Suitable extinguishing media | Use water spray alcohol-resistant foam dry chemical carbon dioxide. |
| Unsuitable extinguishing media | Do not use high volume water jets as an extinguisher, as this will spread the fire. |
| Specific hazards during firefighting | Not flammable or combustible. May produce toxic fumes, for example, carbon monoxide if burning. |
| Hazardous combustion products | Decomposition products may include the following materials: Carbon dioxide (CO ₂) Carbon monoxide Sulfur oxides Smoke |
| 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. |

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. |
| 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). Spill area may be neutralised with a weakly alkali solution. 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

Put on appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. **Do not mix with bleach or other chlorinated products – will cause toxic chlorine gas to be produced.**
To avoid violent spattering when diluting, always add the product slowly to the water.

Conditions for safe storage

Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Separate from alkalis. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Storage temperature

No data

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|----------------------------------|------------|-------------------------------|--|--------|
| sulfuric acid | 7664-93-9 | TWA | 1 mg/m ³ | AU OEL |
| | | TWA | 0.1 mg/m ³ | NZ WES |
| | | STEL | 3 mg/m ³ | AU OEL |
| (2-Methoxymethylethoxy) propanol | 34590-94-8 | TWA | 50 ppm (308 mg/m ³) | AU OEL |
| | | TWA | 100 ppm (606 mg/m ³) | NZ WES |
| | | STEL | 150 ppm (909 mg/m ³) | NZ WES |
| 2-butoxyethanol | 111-76-2 | TWA | 20 ppm 96.9 mg/m ³ | AU OEL |
| | | TWA | 25 ppm 121 mg/m ³ | NZ WES |
| | | STEL | 50 ppm 242 mg/m ³ | AU OEL |

| Biological occupational exposure limits | | | | | | |
|---|---------|--------------------|---------------------|---------------|---------------------------|-------|
| Component | CAS-No. | Control parameters | Biological specimen | Sampling time | Permissible concentration | Basis |
| None allocated | | | | | | |

Engineering measures

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

Personal protective equipment

Respiratory protection

Avoid breathing mists or sprays. Where ventilation is poor or exposure limit may be exceeded, wear a full-face respirator with inorganic acid mist/vapour cartridge.

Version 4.0

Safety Data Sheet
Blue Coral AHS Lo pH 1100

Revised 28 June 2021

| | |
|-------------------------|--|
| Hand protection | Wear rubber gloves or other acid resistant gloves. Recommended gloves include: Neoprene rubber Nitrile rubber Butyl rubber Gloves must be discarded and replaced if there is any indication of degradation or chemical breakthrough. |
| Eye protection | Wear chemical goggles and face shield. |
| Skin protection | Wear protective clothing and chemical resistant 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 | clear liquid |
| Colour | colourless |
| Odour | slight |
| Odour threshold | no data |
| pH | < 1.1 |
| Melting point/freezing point | no data |
| Boiling point | >100° |
| Flash point | > 100 °c |
| Evaporation rate | no data |
| Upper explosion limit | no data |
| Lower explosion limit | no data |
| Vapour pressure | no data |
| Relative vapour density | no data |
| Density | 1.135 - 1.165 g/cm3 |
| Water solubility | soluble in cold water, soluble in hot water |
| Solubility in other solvents | soluble |
| Partition coefficient: n-octanol/water | no data |
| Auto-ignition temperature | not determined |
| Thermal decomposition | no data |
| Viscosity, kinematic | no data |

SECTION 10. STABILITY AND REACTIVITY

| | |
|------------------------------------|--|
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | Do not mix with bleach or other chlorinated products – will cause production of toxic chlorine gas. |
| Conditions to avoid | To avoid violent spattering when diluting, always add the product slowly to the water. |
| Incompatible materials | Bases (alkalis) Metals producing extremely flammable hydrogen gas which can form explosive mixtures with air. |
| Hazardous decomposition products | Decomposition products following combustion may include the following materials: Carbon oxides, sulfur 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 | Contact causes severe burns with redness, swelling, pain and blurred vision. Permanent damage including blindness can result. |
| Skin | Contact can cause pain, redness, burns, and blistering. Permanent scarring can result. |
| Inhalation | Can cause severe irritation of the nose and throat. Symptoms may include coughing, shortness of breath, difficulty breathing and tightness in the chest. |
| Ingestion | Can burn the lips, tongue, throat, and stomach. Symptoms may include nausea, vomiting, stomach cramps and diarrhea. |
| Acute oral toxicity | Acute toxicity estimate : 1,877 mg/kg Method: Calculation method |
| Acute inhalation toxicity | 4 h Acute toxicity estimate : > 40 mg/l (Calculation method) |
| Acute dermal toxicity | Acute toxicity estimate : > 5,000 mg/kg (Calculation method) |
| Skin corrosion/irritation | Extremely corrosive and destructive to tissue. |
| Serious eye damage/eye irritation | 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 |

Version 4.0

Safety Data Sheet
Blue Coral AHS Lo pH 1100

Revised 28 June 2021

**Components
(Ingredients)**

| | |
|-----------------------------------|--|
| Acute oral toxicity | Sulfuric acid LD50 (rat) 2140mg/kg Alcohols, C12-15, ethoxylated LD50 Rat: 500 - 5,000 mg/kg 2-butoxyethanol LD50 Rat: 880 mg/kg |
| Acute inhalation toxicity | Sulfuric acid LC50 (rat) 375 mg/m3 (0.375 mg/l). |
| Acute dermal toxicity | benzyl alcohol LD50 Rabbit: 1,250 mg/kg 2-butoxyethanol LD50 Rabbit: 1,060 mg/kg |
| Skin corrosion/irritation | Sulfuric acid - corrosive |
| Serious eye damage/eye irritation | Sulfuric acid - corrosive |
| Respiratory or skin sensitisation | Sulfuric acid - not found to be a sensitiser |
| Germ cell mutagenicity | Sulfuric acid - not found to be mutagenic in an Ames test. |
| Carcinogenicity | Sulfuric acid - available animal data do not support the classification of sulfuric acid for carcinogenicity |
| Reproductive toxicity | Sulfuric acid – no data |
| STOT - repeated exposure | Sulfuric acid – studies show health effects result from corrosivity of the substance rather than systemic toxicity. |

SECTION 12. ECOLOGICAL INFORMATION

| | |
|--|--|
| Ecotoxicity | Excessive amounts of this product released to water can lower the pH leading to a potential risk to aquatic organisms. |
| Toxicity to fish | no data available |
| Toxicity to daphnia and other aquatic invertebrates | no data available |
| Toxicity to algae | no data available |
| Components (Ingredients) | sulfuric acid |
| Toxicity to fish | 96 h LC50: 22 mg/l 2-butoxyethanol 96 h LC50: 1,474 mg/l |
| Toxicity to daphnia | 2-butoxyethanol 48 h EC50: 690 mg/l |
| Toxicity to algae | 2-butoxyethanol 72 h EC50: 911 mg/l |
| Persistence and degradability | The product hasn't been tested. Main acidic component is inorganic. Major surfactants are biodegradable. |
| Bioaccumulative potential | No data available |
| Partition coefficient: n-octanol/water | (2-methoxymethylethoxy)propanol (Mixture of isomers) Pow: 0.0043 benzyl alcohol Pow: 0.87 |
| Mobility in soil | No data available |

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Disposal considerations The product should not be allowed to enter drains, water courses or the soil. 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 e.g. trade waste agreement, diluted pH-adjusted wastes 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. 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 a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.

Land transport (ADG)

| | |
|---------------|----------------------------------|
| UN number | 2796 |
| Shipping name | SULFURIC ACID <51% sulfuric acid |
| 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 | 2796 |
| Shipping name | SULFURIC ACID < 51% sulfuric acid |
| 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 | 2796 |
| Shipping name | SULFURIC ACID < 51% sulfuric acid |
| 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 |

| | |
|----------------|--------------|
| Version: | 4.0 |
| Revision Date: | 28 June 2021 |
| Print Date: | 4 July 2021 |

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. Users should make their own investigations to determine the suitability and applicability of the information for their particular purposes. This SDS has been prepared by the Compliance Services organisation supporting this manufacturer, supplier or distributor.