

SECTION 1. IDENTIFICATION

Product Name **BLUE CORAL SMART SHINE 130**
Material number 3755101

Recommended use of the chemical and restrictions on use

Recommended use Cleaning product

Product dilution information 0.625 % - 12.5 %

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

Skin corrosion/irritation Category 1B

Serious eye damage/eye irritation Category 1

Product at RECOMMENDED USE DILUTION

Skin corrosion/irritation Category 2

Serious eye damage/eyeirritation Category 2A

GHS label elements

Product AS SOLD

Hazard Pictograms



Signal Word

DANGER

Hazard statements

Causes severe skin burns and eye damage.

Precautionary statements

Prevention

P201 Obtain special instructions before use.

P264 Wash skin thoroughly after handling.

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

P260 Do not breathe mists.

Response

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

P310 Immediately call for medical assistance.

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.

P321 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.

Product AT RECOMMENDED USE DILUTION	
Hazard pictogram	
Signal Word	Warning
Hazard Statements	Causes skin irritation. Causes serious eye irritation.
Precautionary Statements	Prevention: Wash hands thoroughly after handling. Wear protective gloves/ eye protection/ face protection. Use personal protective equipment as required. Response: IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Take off contaminated clothing and wash before reuse Storage: Store in accordance with local regulations. Disposal: Dispose of contents/ container to an approved waste disposal plant
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 [%]
sulfuric acid	7664-93-9	10 - 30
dodecylbenzene sulfonic acid	27176-87-0	10 - 30
2-butoxyethanol	111-76-2	5 - 10
Fattyalcohol ethoxylates =/< C15 and =/< 5EO	27252-75-1	5 - 10
alcohols, c12-16, ethoxylated	68551-12-2	1 - 5

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

Hazardous components of product AT RECOMMENDED USE DILUTION

Chemical name	CAS-No.	Concentration [%]
sulfuric acid	7664-93-9	1 - 5
dodecylbenzene sulfonic acid	27176-87-0	1 - 5
2-butoxyethanol	111-76-2	1 - 5

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.
Most important symptoms and effects, both acute and delayed	See Section 11 for more detailed information on health effects and symptoms.

**Product AT
RECOMMENDED USE
DILUTION**

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.
In case of skin contact	Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Get medical attention if irritation develops and persists.
If swallowed	Rinse mouth. Get medical attention if symptoms occur.
If inhaled.	Get medical attention if symptoms occur

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	Not known
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 oxides Sulfur 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.

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). 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

Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in Sections 7 and 8.

**Environmental precautions
Methods and materials for
containment and cleaning
up**

Prevent runoff to soil, 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. **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

Do not store near strong alkalis. Keep out of reach of children. Keep container tightly closed. Store in suitable labelled containers.

Storage temperature

**Product AT
RECOMMENDED USE
DILUTION**

Advice on safe handling

Avoid contact with skin and eyes. Wash hands thoroughly after handling. **Do not mix with bleach or other chlorinated products – will cause toxic chlorine gas to be produced.**

Conditions for safe storage

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

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

Hand protection

Wear rubber gloves or other acid resistant gloves if contact with skin is expected. Recommended gloves include:

Laminated film
Neoprene 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.

Product AT RECOMMENDED USE DILUTION

Engineering measures

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

Eye protection

Safety glasses with side-shields

Hand protection

Rubber gloves e.g. neoprene or butyl rubber. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection

Protective clothing and footwear.

Respiratory protection

No personal respiratory protective equipment normally required when used as directed. If exposure limits may be exceeded, use a respirator that protects against inorganic gas mists.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product	Product AT RECOMMENDED USE DILUTION
Appearance	Clear liquid	Clear liquid
Colour	Amber – light red	Colourless
Odour	Pungent	odourless
Odour threshold	No data	Not applicable
pH	<2	
Melting point/freezing point	No data	
Boiling point	>100°	
Flash point		
Evaporation rate	No data	
Upper explosion limit	No data	
Lower explosion limit	No data	
Vapour pressure	No data	
Relative vapour density	No data	
Density	1.21 -1.26	
Water solubility	Soluble	
Solubility in other solvents	No data	
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	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 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, difficult 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 > 2,000 mg/kg (Calculation method)
Acute inhalation toxicity 4 h Acute toxicity estimate : > 20 mg/l (Calculation method)
Acute dermal toxicity Acute toxicity estimate : > 2,000 mg/kg (Calculation method)
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

Components (Ingredients)

Acute oral toxicity Sulfuric acid LD50 (rat) 2140mg/kg
Acute inhalation toxicity Sulfuric acid LC50 (rat) 375 mg/m3 (0.375 mg/l).
Acute dermal toxicity Sulfuric acid LD50
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.

**Product AT
RECOMMENDED USE
DILUTION**

Eyes	: Causes serious eye irritation including redness, pain and watering.
Skin	: Causes skin irritation including redness & dry skin.
Ingestion	: Health injuries are not known or expected under normal use.
Inhalation	: Health injuries are not known or expected under normal use.
Chronic Exposure	: Health injuries are not known or expected under normal use.

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)	
Toxicity to fish	sulfuric acid 96 h LC50: 22 mg/l dodecylbenzene sulfonic acid 96 h LC50 Fish: 4.3 mg/l 2-butoxyethanol 96 h LC50: 1,474 mg/l Fattyalcohol ethoxylates =/< C15 and =/< 5EO 96 h LC50 Fish: 55 mg/l alcohols, c12-16, ethoxylated 96 h LC50 Fish: 1.5 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	Main component is inorganic. Minor components are biodegradable.
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

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.

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.

Product AT RECOMMENDED USE DILUTION

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 e.g. trade waste agreement, diluted pH-adjusted wastes may be sent to sewer.

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

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 Poisons Schedule NZ Approval Code	All substances listed S6 Cleaning Products (Corrosive) Group Standard 2020 The HSNO Approval Number for this Group Standard is HSR002526.
United States TSCA Inventory Canadian Domestic Substances List (DSL)	On TSCA Inventory 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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