

# Material Safety Data Sheet

## BLUE CORAL SMART SHINE 130

### 1. Identification of the material and supplier

Trade name of product : BLUE CORAL SMART SHINE 130  
ADG : SULPHURIC ACID mixture  
Supplier : VELOCITY VEHICLE CARE (A.B.N. 166 118 618)  
Level 14, 380 St Kilda Rd. Melbourne, 3004.  
Phone: 03 8391 3111.  
Fax Number: 03 8669 4179  
Emergency telephone number : 1 800 127 460  
Material uses : Cleaning product

Product dilution information : 1:160 to 1:107

Date of issue : 02 December 2014

### 2. Hazards identification

	Product AS SOLD	Product AT USE DILUTION
Statement of hazardous/dangerous nature	: <b>Classified as hazardous</b> according to the criteria of Safe Work Australia and <b>classified as dangerous goods</b> according to the ADG Code.	<b>Classified as hazardous</b> according to the criteria of Safe Work Australia and <b>not classified as dangerous goods</b> according to the ADG Code.
Classification	: C - Corrosive Xn - Harmful	Xi - Irritant
Risk phrases	: R22- Harmful if swallowed. R35- Causes severe burns. R41- Risk of serious damage to eyes.	R36/38- Irritating to eyes and skin.
Safety phrases	: S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28- After contact with skin, wash immediately with plenty of water. S36/37/39- Wear suitable protective clothing, gloves and eye/face protection. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).	S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28- After contact with skin, wash immediately with plenty of water. S37/39- Wear suitable gloves and eye/face protection. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### 3. Composition/information on ingredients

#### Product AS SOLD

Ingredient name	CAS number	Concentration % (w/w)
sulphuric acid	7664-93-9	10 - <30
dodecylbenzenesulfonic acid	27176-87-0	10 - <30
2-butoxyethanol	111-76-2	<10
poly(oxy-1,2-ethanediyl), .alpha.-octyl-.omega.-hydroxy-alcohols, c12-16, ethoxylated	27252-75-1 68551-12-2	<10 <10

Other ingredients, determined not to be hazardous according to Safe Work Australia criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

### 3. Composition/information on ingredients

**Product AT USE DILUTION**

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sulphuric acid	7664-93-9	<10
dodecylbenzenesulfonic acid	27176-87-0	<10
2-butoxyethanol	111-76-2	<10

Other ingredients, determined not to be hazardous according to Safe Work Australia criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

### 4. First-aid measures

	Product AS SOLD	Product AT USE DILUTION
<b>Eye contact</b>	: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Skin contact</b>	: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.	In case of contact, immediately flush skin with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse.
<b>Inhalation</b>	: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.	Remove to fresh air. Get medical attention if symptoms occur.
<b>Ingestion</b>	: Do not induce vomiting. Rinse mouth; then drink one or two large glasses of water. Contact a doctor or a Poisons Information Centre (Phone: 13 11 26). Never give anything by mouth to an unconscious person. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.	Do not induce vomiting. Rinse mouth; then drink one or two large glasses of water. Contact a doctor or a Poisons Information Centre (Phone: 13 11 26).
<b>Notes to physician</b>	: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed.	No specific treatment. Treat symptomatically.

### 5. Fire-fighting measures

	Product AS SOLD
<b>Hazchem code</b>	: 2R
<b>Extinguishing media</b>	: Use an extinguishing agent suitable for the surrounding fire.
<b>Fire-fighting media and instructions</b>	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
<b>Fire/explosion hazards</b>	: No specific hazard.
<b>Special protective equipment for fire-fighters</b>	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
<b>Hazardous thermal decomposition products</b>	: Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides

## 6. Accidental release measures

	<b>Product AS SOLD</b>	<b>Product AT USE DILUTION</b>
<b>Personal precautions</b>	: Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.	Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.
<b>Environmental precautions</b>	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
<b>Methods for cleaning up</b>	: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.	Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

**Note: see section 8 for personal protective equipment and section 13 for waste disposal.**

## 7. Handling and storage

	<b>Product AS SOLD</b>	<b>Product AT USE DILUTION</b>
<b>Handling</b>	: Put on appropriate personal protective equipment (see Section 8). 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. Remove contaminated clothing and protective equipment before entering eating areas. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.	Put on appropriate personal protective equipment (see Section 8). 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. Remove contaminated clothing and protective equipment before entering eating areas. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
<b>Storage</b>	: Keep container tightly closed. Keep container in a cool, well-ventilated area.	Keep container tightly closed. Keep container in a cool, well-ventilated area.

## 8. Exposure controls/personal protection

**Product AS SOLD**

**Occupational exposure limits**

Ingredient name	Exposure limits
sulphuric acid	<b>Safe Work Australia (Australia, 8/2005).</b> STEL: 3 mg/m <sup>3</sup> 15 minute(s). TWA: 1 mg/m <sup>3</sup> 8 hour(s).
2-butoxyethanol	<b>Safe Work Australia (Australia, 8/2005). Absorbed through skin.</b> STEL: 242 mg/m <sup>3</sup> 15 minute(s). STEL: 50 ppm 15 minute(s). TWA: 96.9 mg/m <sup>3</sup> 8 hour(s). TWA: 20 ppm 8 hour(s).

**Product AS SOLD**

**Engineering measures** : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Personal protection**

**Eyes** : Wear chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.

**Hands** : Use chemical-resistant, impervious gloves. Recommended: Elbow length PVC gloves.

**Respiratory** : If ventilation is inadequate, use respirator that will protect against organic vapour and dust/mist. Respiratory protection should conform to AS/NZS 1715 and AS/NZS 1716.

**Skin** : Use synthetic apron, other protective equipment as necessary to prevent skin contact.

**Product AT USE DILUTION**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Eye protection should be used when splashing may occur.

Use chemical-resistant, impervious gloves.

No protective equipment is needed under normal use conditions.

Use synthetic apron, other protective equipment as necessary to prevent skin contact.

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. Physical and chemical properties

**Product AS SOLD**

**Physical state** : Liquid.

**Colour** : Red [Light]

**Odour** : Pungent

**pH** : 0 to 2 [Conc. (% w/w): 100%]

**Flash point** : > 100°C  
Product does not support combustion.

**Boiling point** : >100°C (>212°F)

**Relative density** : 1.21 to 1.26

**Solubility** : Easily soluble in the following materials: cold water and hot water.

**Product AT USE DILUTION**

Liquid.  
Colourless. [Light]  
Odourless  
0 to 3  
> 100°C

## 10. Stability and reactivity

**Product AS SOLD**

**Stability** : The product is stable.

**Conditions to avoid** : No specific data.

**Materials to avoid** : Reactive or incompatible with the following materials: alkalis.  
Slightly reactive or incompatible with the following materials: metals.  
Do not mix with bleach or other chlorinated products - will cause chlorine gas.

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

## 11. Toxicological information

### Potential acute health effects

	Product AS SOLD	Product AT USE DILUTION
<b>Inhalation</b>	: May give off gas, vapour or dust that is very irritating or corrosive to the respiratory system.	No known significant effects or critical hazards.
<b>Ingestion</b>	: Harmful if swallowed. May cause burns to mouth, throat and stomach.	Exposure can cause nausea, headache and vomiting.
<b>Skin contact</b>	: Severely corrosive to the skin. Causes severe burns.	Irritating to skin.
<b>Eye contact</b>	: Severely corrosive to the eyes. Causes severe burns.	Irritating to eyes.

### Potential chronic health effects

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Reproductive toxicity** : No known significant effects or critical hazards.

## 12. Ecological information

### Product AS SOLD

#### Ecotoxicity data

Product/ingredient name	Result	Species	Exposure
sulphuric acid	Acute LC50 22 mg/l		96 hours
dodecylbenzenesulfonic acid	Acute LC50 4.3 mg/l		96 hours
2-butoxyethanol	Acute LC50 1490 mg/L		96 hours
	Acute LC50 1250 mg/l		96 hours
alcohols, c12-16, ethoxylated	Acute LC50 1.5 mg/l		96 hours

**Persistence/degradability** : Not available.

#### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
2-butoxyethanol	0.83	-	low

**Mobility** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

### 13. Disposal considerations

<p><b>Methods of disposal</b></p>	<p><b>Product AS SOLD</b></p> <p>: The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.</p>	<p><b>Product AT USE DILUTION</b></p> <p>The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.</p>
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### 14. Transport information

**Product AS SOLD**

Regulation	UN number	Proper shipping name	Classes	Packing group	Additional information
ADG	UN2796	SULPHURIC ACID mixture	8	II	<u>Hazchem code</u> 2R  <u>Initial emergency response guide</u> G37
IMDG	UN2796	SULPHURIC ACID. Marine pollutant (dodecylbenzenesulfonic acid)	8	II	<u>Emergency schedules (EmS)</u> F-A, S-B

**Product AT USE DILUTION**  
Not intended for transport.

### 15. Regulatory information

<p><b>AU Classification</b></p>	<p><b>Product AS SOLD</b></p> <p>: <b>Classified as hazardous</b> according to the criteria of Safe Work Australia and <b>classified as dangerous goods</b> according to the ADG Code. C - Corrosive Xn - Harmful R22- Harmful if swallowed. R35- Causes severe burns. R41- Risk of serious damage to eyes.</p>	<p><b>Product AT USE DILUTION</b></p> <p><b>Classified as hazardous</b> according to the criteria of Safe Work Australia and <b>not classified as dangerous goods</b> according to the ADG Code. Xi - Irritant  R36/38- Irritating to eyes and skin.</p>
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**Australia inventory (AICS)** : All substances are listed on AICS or exempt.

**Standard for the Uniform Scheduling of Medicines and Poisons**

S6

## 15. Regulatory information

### Control of Scheduled Carcinogenic Substances

<u>Ingredient name</u>	<u>Schedule</u>
No listed substance	

## 16. Other information

**Prepared by** Velocity Vehicle Care

**Date of previous issue** : 5 August 2013

- References** :
- ADG Code - Australian Transport of Dangerous Goods
  - Adopted National Exposure Standard for Atmospheric Contaminants in the Occupational Environment
  - Approved Criteria for Classifying Hazardous Substances
  - List of Designated Hazardous Substances
  - National Code of Practice for the Labelling of Workplace Substances
  - National Code of Practice for the Preparation of Material Safety Data Sheets
  - National Model Regulations for the Control of Scheduled Carcinogenic Substances
  - National Model Regulations for the Control of Workplace Hazardous Substances
  - Standard for the Uniform Scheduling of Medicines and Poisons

### Disclaimer

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, **NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.**