

## SAFETY DATA SHEET

### BARASCAV™-L

Revision Date: 05-Mar-2014

Revision Number: 22

#### 1. Product and Company Identification

**Product Name**

**Product Trade Name:** BARASCAV™-L

**Other Names**

**Synonyms:** None

**Product Code:** HM003529

**Recommended Use**

**Recommended Use:** Oxygen Scavenger

**Uses Advised Against:** No information available

**Company Name, Address and Contact Details**

**Manufacturer/Supplier:** Halliburton New Zealand  
1 Paraite Rd,  
Bell Block, New Plymouth  
New Zealand Registration No.: 824207

**E-Mail address:** fdunexchem@halliburton.com

**Emergency Telephone Number:** +64-6-7559274

**New Zealand National Poisons Centre:** 0800 764 766 (24 hours)

#### 2. Hazard(s) Identification

**Statement of Hazardous Nature**

Classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulation 2001;  
Classified as dangerous good according to NZS 5433:2012, UN, IMDG or IATA

**Classification**

8.2C Corrosive to dermal tissue if exposed for greater than 1 hour

8.3A Corrosive to ocular tissue

**Hazard and Precautionary Statements**

**Hazard Pictograms**



**Signal Word:** Danger

**Hazard Statements:** H314 - Causes severe skin burns and eye damage  
H318 - Causes serious eye damage

**Precautionary Statements**

**Prevention**  
 P101 - If medical advice is needed, have product container or label at hand  
 P102 - Keep out of reach of children  
 P103 - Read label before use  
 P104 - Read Safety Data Sheet before use  
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
 P264 - Wash face, hands and any exposed skin thoroughly after handling  
 P280 - Wear protective gloves/eye protection/face protection

**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 water/shower  
 P363 - Wash contaminated clothing before reuse  
 P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing  
 P310 - Immediately call a POISON CENTER or doctor/physician  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

**Storage**  
 P405 - Store locked up

**Disposal**  
 P501 - Dispose of contents/container to an approved waste disposal plant

**Contains**

Substances	CAS Number	Substance HSNO Classification
Ammonium bisulfite	10192-30-0	8.2C 8.3A

**2.3 Other Hazards**

None known

**3. Composition and Information on Ingredients**

Substances	CAS Number	PERCENT (w/w)
Ammonium bisulfite	10192-30-0	30 - 60%

**4. First-Aid Measures**

**Requirements for First Aid or Medical Care**

**Inhalation** If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

**Eyes** In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

**Skin** In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. Remove contaminated clothing and launder before reuse.

**Ingestion** Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

**Workplace Facilities Required**

None

**Relation to Health Effect**

**Most Important Symptoms/Effects**

May cause severe skin irritation. May cause eye burns.

**Medical Attention and Special Treatment**

**Notes to Physician**

Treat symptomatically

**5. Fire-fighting measures**

**Type of Hazard**

**Flammability Hazard**

Non-flammable

**5.1 Extinguishing media****Suitable Extinguishing Media**

Water fog, carbon dioxide, foam, dry chemical.

**Extinguishing media which must not be used for safety reasons**

None known.

**HAZCHEM Code**

Hazchem Code: 2X

**Special Protective Equipment and Precautions for Fire Fighters****Special Protective Equipment for Fire-Fighters**

Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

**Special Exposure Hazards**

Decomposition in fire may produce toxic gases.

**6. Spillage, Accidental Release Measures****6.1 Personal precautions, protective equipment and emergency procedures**

Use appropriate protective equipment.

See Section 8 for additional information

**6.2 Environmental precautions**

Prevent from entering sewers, waterways, or low areas.

**6.3 Methods and material for containment and cleaning up**

Isolate spill and stop leak where safe. Contain spill with sand or other inert materials. Scoop up and remove.

**6.4 Reference to other sections**

See Section 8 and 13 for additional information.

**7. Handling and Storage****7.1 Precautions for Safe Handling****Handling Precautions**

Avoid contact with eyes, skin, or clothing. Avoid breathing vapors. Wash hands after use. Launder contaminated clothing before reuse.

**Handling Practices****Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice

**Approved Handlers**

This product does NOT require an approved handler.

**7.2 Conditions for safe storage, including any incompatibilities**

Store away from acids. Store away from combustibles. Store away from direct sunlight.

**Store Site Requirements**

No special controls required

**Packaging**

No special packaging required

**8. Exposure Controls and Personal Protection****Workplace Exposure Standards****Exposure Limits**

Substances	CAS Number	New Zealand WES	ACGIH TLV-TWA
Ammonium bisulfite	10192-30-0	Not applicable	Not applicable

**Engineering Controls****Engineering Controls**

Use in a well ventilated area.

**Personal Protective Equipment (PPE)****Respiratory Protection**

Not normally needed. But if significant exposures are possible then the following respirator is recommended:

**Hand Protection****Skin Protection****Eye Protection****Other Precautions****Hygiene Measures**

Positive pressure self-contained breathing apparatus. (EN137:2006, 2)

Impervious rubber gloves. Neoprene gloves. Butyl rubber gloves. Viton gloves

Rubber apron.

Chemical goggles; also wear a face shield if splashing hazard exists.

Eyewash fountains and safety showers must be easily accessible.

Handle in accordance with good industrial hygiene and safety practice

<b>9. Physical and Chemical Properties</b>
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**9.1 Information on basic physical and chemical properties****Physical State:** Liquid**Color:** Clear light yellow**Odor:** Mild sulfur**Odor Threshold:** No information availablePropertyValuesRemarks/ - Method**pH:**

4.9-5.6

**Freezing Point/Range**

-12 °C

**Melting Point/Range**

No data available

**Boiling Point/Range**

100 °C

**Flash Point**

No data available

**Evaporation rate**

&lt; 1

**Vapor Pressure**

52 mmHg

**Vapor Density**

1

**Specific Gravity**

1.34

**Water Solubility**

Soluble in water

**Solubility in other solvents**

No data available

**Partition coefficient: n-octanol/water**

No data available

**Autoignition Temperature**

No data available

**Decomposition Temperature**

No data available

**Viscosity**

No data available

**Explosive Properties**

No information available

**Oxidizing Properties**

No information available

**9.2 Other information****VOC Content (%)**

No data available

<b>10. Stability and Reactivity</b>
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**10.2 Chemical Stability**

Stable

**10.4 Conditions to Avoid**

Keep away from heat, sparks and flame.

**10.5 Incompatible Materials**

Strong acids. Strong oxidizers. Copper and copper alloys. Zinc.

**10.6 Hazardous Decomposition Products**

Oxides of sulfur. Ammonia.

**Hazardous Reactions****Hazardous Polymerization:**

Will Not Occur

<b>11. Toxicological Information</b>
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**Health Effect from Likely Routes of Exposure**

**Acute Toxicity**

<b>Inhalation</b>	May cause respiratory irritation.
<b>Eye Contact</b>	Causes eye irritation. May cause eye burns.
<b>Skin Contact</b>	May cause severe skin irritation.
<b>Ingestion</b>	Irritation of the mouth, throat, and stomach. May cause abdominal pain, vomiting, nausea, and diarrhea.

**Chronic Effects/Carcinogenicity** No data available to indicate product or components present at greater than 1% are chronic health hazards.

**Toxicity Data****Toxicology data for the components**

Substances	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ammonium bisulfite	10192-30-0	11200 mg/kg 2610 mg/kg (Rat) (similar substance – sodium sulphite)	>2000 mg/kg (Rat) (similar substance – sodium sulphite)	> 5.5 mg/L (Rat) 4 h (similar substance – sodium sulphite)

**12. Ecological Information****12.1 Toxicity****Ecotoxicity Effects****Product Ecotoxicity Data**

No data available

**Substance Ecotoxicity Data**

Substances	CAS Number	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Toxicity to Invertebrates
Ammonium bisulfite	10192-30-0	EC50(72h): 43.8 mg/L (Desmodesmus subspicatus) (growth rate) (similar substance – disodium disulfite)	LC50: 5000 mg/L (Lepomis macrochirus) LC50(96h): 316 mg/L (Leuciscus idus) (similar substance – potassium sulfite) NOEC(34d): => 316 mg/L (Danio rerio) (similar substance – sodium sulfite)	EC50(17h): 410 mg/L (Pseudomonas putida) (similar substance – potassium sulfite) EC50(3h): > 1000 mg/L (respiration rate, activated sludge) (similar substance – sodium sulfite) EC50(17h): 65 mg/L (Pseudomonas putida) (similar substance – dipotassium disulfite)	EC50(48h): >1000 mg/L (Daphnia magna) EC50(48 hr): 89 mg/L (Daphnia magna) (similar substance – disodium disulfite) NOEC(21d): > 10 mg/L (Daphnia magna) (reproduction) (similar substance – disodium disulfite)

**12.2 Persistence and degradability**

The methods for determining biodegradability are not applicable to inorganic substances.

**12.3 Bioaccumulative potential**

No information available

**12.4 Mobility in soil**

No information available

**Ecotoxicity Hazard Statements**

None known

**12.6 Other adverse effects****Endocrine Disruptor Information**

This product does not contain any known or suspected endocrine disruptors

**13. Disposal Considerations**

**13.1 Waste treatment methods****Disposal Method  
Contaminated Packaging**

Disposal should be made in accordance with federal, state, and local regulations. Follow all applicable national or local regulations. Contaminated packaging may be disposed of by: rendering packaging incapable of containing any substance, or treating packaging to remove residual contents, or treating packaging to make sure the residual contents are no longer hazardous, or by disposing of packaging into commercial waste collection.

**14. Transport Information****IMDG/IMO**

**UN Number:** UN2693,  
**UN Proper Shipping Name:** Bisulfites, Aqueous Solutions, N.O.S.  
**Transport Hazard Class(es):** , 8  
**Packing Group:** , III  
**EMS:** EmS F-A, S-B

**NZ 5433.1999**

**UN Number:** UN2693,  
**UN Proper Shipping Name:** Bisulfites, Aqueous Solutions, N.O.S.  
**Transport Hazard Class(es):** , 8  
**Packing Group:** , III

**IATA/ICAO**

**UN Number:** UN2693,  
**UN Proper Shipping Name:** Bisulfites, Aqueous Solutions, N.O.S.  
**Transport Hazard Class(es):** , 8  
**Packing Group:** , III

**Special Precautions for User** None

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable

**15. Regulatory Information**

**New Zealand Inventory of Chemicals** All components listed on inventory or are exempt.

**HSNO Approval Number** HSR006371

**Group Name** Not Applicable

**HSNO Controls** Refer to the NZ EPA website for more information: <http://www.epa.govt.nz>

**Approved Handlers** Not Applicable

**Poisons Schedule:** None Allocated

**16. Other information, including date of preparation or last revision**

**The following sections have been revised since the last issue of this SDS**  
 Not applicable

**Additional information** For additional information on the use of this product, contact your local Halliburton representative.

For questions about the Safety Data Sheet for this or other Halliburton products, contact Chemical Compliance at 1-580-251-4335.

**Full text of H-Statements referred to under sections 2 and 3**

H314 - Causes severe skin burns and eye damage

H318 - Causes serious eye damage

**Key literature references and sources for data**

www.ChemADVISOR.com/  
NZ CCID

**Revision Date:** 05-Mar-2014

**Revision Note**

Not applicable

**Disclaimer Statement**

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**End of Safety Data Sheet**