

# MATERIAL SAFETY DATA SHEET

**Product Trade Name:** DCA-23001

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

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Statement of Hazardous Nature** Non-Hazardous according to the criteria of NOHSC, Non-Dangerous Goods according to the criteria of ADG.

**Manufacturer/Supplier** Halliburton Australia Pty. Ltd.  
15 Marriott Road  
Jandakot  
WA 6164  
Australia

ACN Number: 009 000 775  
Telephone Number: 61 (08) 9455 8300  
Fax Number: 61 (08) 9455 5300

**Product Emergency Telephone**  
Australia: 08-64244950  
Papua New Guinea: 05 1 281 575 5000  
New Zealand: 06-7559274

**Fire, Police & Ambulance - Emergency Telephone**  
Australia: 000  
Papua New Guinea: 000  
New Zealand: 111

### Identification of Substances or Preparation

**Product Trade Name:** DCA-23001  
**Synonyms:** None  
**Chemical Family:** Salt Polymer Blend  
**UN Number:** None  
**Dangerous Goods Class:** None  
**Subsidiary Risk:** None  
**Hazchem Code:** None Allocated  
**Poisons Schedule:** None Allocated  
**Application:** Friction Reducer

**Prepared By** Chemical Compliance  
Telephone: 1-580-251-4335  
e-mail: fdunexchem@halliburton.com

## 2. HAZARDS IDENTIFICATION

**Statement of Hazardous Nature** Non-Hazardous according to the criteria of NOHSC, Non-Dangerous Goods according to the criteria of ADG.

**Hazard Overview** May cause mild eye, skin, and respiratory irritation.

<b>Classification</b>	None
<b>Risk Phrases</b>	None
<b>Safety Phrases</b>	None
<b>HSNO Classification</b>	6.1E Acutely Toxic Substances 6.4A Irritating to the eye

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances	CAS Number	PERCENT (w/w)	Australia NOHSC	New Zealand WES	ACGIH TLV-TWA
Sodium chloride	7647-14-5	60 - 100%	Not applicable	Not applicable	Not applicable

**Non-Hazardous Substance to Total of 100%**

### 4. FIRST AID MEASURES

<b>Inhalation</b>	If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
<b>Skin</b>	Wash with soap and water. Get medical attention if irritation persists.
<b>Eyes</b>	Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.
<b>Ingestion</b>	Under normal conditions, first aid procedures are not required.
<b>Notes to Physician</b>	Not Applicable

### 5. FIRE FIGHTING MEASURES

#### Suitable Extinguishing Media

All standard fire fighting media

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

None known.

<b>Special Exposure Hazards</b>	Organic dust in the presence of an ignition source can be explosive in high concentrations. Good housekeeping practices are required to minimize this potential.
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<b>Special Protective Equipment for Fire-Fighters</b>	Not applicable.
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### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautionary Measures</b>	Use appropriate protective equipment. Avoid creating and breathing dust.
<b>Environmental Precautionary Measures</b>	Prevent from entering sewers, waterways, or low areas.
<b>Procedure for Cleaning / Absorption</b>	Scoop up and remove.

### 7. HANDLING AND STORAGE

**Handling Precautions** Avoid contact with eyes, skin, or clothing. Avoid creating or inhaling dust. Ground and bond containers when transferring from one container to another. Slippery when wet.

**Storage Information** Store in a cool, dry location. Use good housekeeping in storage and work areas to prevent accumulation of dust. Close container when not in use. Keep from heat, sparks, and open flames. Product has a shelf life of 24 months.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls** Use in a well ventilated area.

**Respiratory Protection** If engineering controls and work practices cannot keep exposure below occupational exposure limits or if exposure is unknown, wear a NIOSH certified, European Standard EN 149, or equivalent respirator when using this product. Selection of and instruction on using all personal protective equipment, including respirators, should be performed by an Industrial Hygienist or other qualified professional.

Not normally needed. But if significant exposures are possible then the following respirator is recommended:  
Dust/mist respirator. (N95, P2/P3)

**Hand Protection** Normal work gloves.

**Skin Protection** Normal work coveralls.

**Eye Protection** Wear safety glasses or goggles to protect against exposure.

**Other Precautions** None known.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Powder

**Color:** White

**Odor:** Slight

**pH:** 9 (.5%)

**Specific Gravity @ 20 C (Water=1):** 2.0

**Density @ 20 C (kg/l):** Not Determined

**Bulk Density @ 20 C (kg/M3):** Not Determined

**Boiling Point/Range (C):** Not Determined

**Freezing Point/Range (C):** Not Determined

**Pour Point/Range (C):** Not Determined

**Flash Point/Range (C):** Not Determined

**Flash Point Method:** Not Determined

**Autoignition Temperature (C):** Not Determined

**Flammability Limits in Air - Lower (g/m<sup>3</sup>):** Not Determined

**Flammability Limits in Air - Lower (%):** Not Determined

**Flammability Limits in Air - Upper (g/m<sup>3</sup>):** Not Determined

**Flammability Limits in Air - Upper (%):** Not Determined

**Vapor Pressure @ 20 C (mmHg):** Not Determined

**Vapor Density (Air=1):** Not Determined

**Percent Volatiles:** Not Determined

**Evaporation Rate (Butyl Acetate=1):** Not Determined

**Solubility in Water (g/100ml):** Soluble

**Solubility in Solvents (g/100ml):** Not Determined

**VOCs (g/l):** Not Determined

Viscosity, Dynamic @ 20 C (centipoise):	Not Determined
Viscosity, Kinematic @ 20 C (centistokes):	Not Determined
Partition Coefficient/n-Octanol/Water:	Not Determined
Molecular Weight (g/mole):	Not Determined
Decomposition Temperature (C):	Not Determined

## 10. STABILITY AND REACTIVITY

Stability Data:	Stable
Hazardous Polymerization:	Will Not Occur
Conditions to Avoid	None anticipated
Incompatibility (Materials to Avoid)	Strong oxidizers.
Hazardous Decomposition Products	Carbon monoxide and carbon dioxide. Ammonia.
Additional Guidelines	Not Applicable

## 11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure	Eye or skin contact, inhalation.
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### Symptoms related to exposure

#### Acute Toxicity

Inhalation	May cause mild respiratory irritation.
Eye Contact	May cause mild eye irritation.
Skin Contact	May cause mild skin irritation.
Ingestion	Large doses may cause nausea, vomiting and diarrhea.

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

Substances	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium chloride	7647-14-5	3 g/kg ( Rat )	10 g/kg ( Rabbit )	42 g/m <sup>3</sup> ( Rat ) 1 h

## 12. ECOLOGICAL INFORMATION

### Ecotoxicological Information

#### Ecotoxicity Product

Acute Fish Toxicity:	LC50 (96): > 100 mg/l
Acute Crustaceans Toxicity:	Not determined
Acute Algae Toxicity:	Not determined

#### Ecotoxicity Substance

Substances	CAS Number	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Toxicity to Invertebrates
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Sodium chloride	7647-14-5	EC50(120h): 2430 mg/L (cell number) ( <i>Nitzschia</i> sp.)	TLM96: > 1000 mg/l (Oncorhynchus mykiss) LC50(96h): 5840 mg/L (Lepomis macrochirus) NOEC(33d): 252 mg/L (Pimephales promelas)	EC10 <= 35000 mg/L; NOEC 5000 – 8000 mg/L (activated sludge) NOEC 292-584 mg/L (Escherichia coli)	TLM96: > 1,000,000 ppm ( <i>Mysidopsis bahia</i> ) LC50(48h): 874 - 4136mg/L (Daphnia magna) NOEC(21d): 314 mg/L (Daphnia magna)
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## **12.2 Persistence and degradability**

No information available

## **12.3 Bioaccumulative potential**

No information available

## **12.4 Mobility in soil**

No information available

## **12.5 Results of PBT and vPvB assessment**

No information available.

## **12.6 Other adverse effects**

## **13. DISPOSAL CONSIDERATIONS**

**Disposal Method** Bury in a licensed landfill according to federal, state, and local regulations.

**Contaminated Packaging** Follow all applicable national or local regulations.

## **14. TRANSPORT INFORMATION**

### **Land Transportation**

#### **ADR**

Not restricted

### **Air Transportation**

#### **ICAO/IATA**

Not restricted

### **Sea Transportation**

#### **IMDG**

Not restricted

### **Other Transportation Information**

**Labels:** None

## **15. REGULATORY INFORMATION**

### **Chemical Inventories**

#### **Australian AICS Inventory**

All components listed on inventory or are exempt.

#### **New Zealand Inventory of Chemicals**

All components listed on inventory or are exempt.

#### **US TSCA Inventory**

All components listed on inventory or are exempt.

#### **EINECS Inventory**

This product, and all its components, complies with EINECS

### **Classification**

Not Classified

**Risk Phrases** None

**Safety Phrases** None

## **16. OTHER INFORMATION**

**The following sections have been revised since the last issue of this SDS**

Not applicable

### **Contact**

#### **Australian Poisons Information Centre**

24 Hour Service: - 13 11 26

Police or Fire Brigade: - 000 (exchange): - 1100

#### **New Zealand National Poisons Centre**

0800 764 766

#### **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.

#### **Disclaimer Statement**

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**\*\*\*END OF MSDS\*\*\***