

**SAFETY DATA SHEET****DCA-2121000**

Revision Date: 25-Jun-2015

Revision Number: 3

**1. Product Identifier & Identity for the Chemical**

**Statement of Hazardous Nature** Non-Hazardous according to the criteria of the 3rd Revised Edition of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS), Non-Dangerous Goods according to the criteria of ADG.

**1.1. Product Identifier**

**Product Name** DCA-2121000

**Other means of Identification**

**Synonyms:** None  
**Product Code:** HM008042

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Diverter  
**Uses Advised Against** No information available

**Supplier's name, address and phone number**

**Manufacturer/Supplier** Halliburton/Baroid 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: + 61 1 800 686 951  
Papua New Guinea: + 61 1 800 686 951  
NewZealand: +64 800 451719

**Fire, Police & Ambulance - Emergency Telephone**

Australia: 000  
Papua New Guinea: 000  
New Zealand: 111

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

**Emergency phone number**

+ 61 1 800 686 951

**Australian Poisons Information Centre**

24 Hour Service: - 13 11 26  
Police or Fire Brigade: - 000 (exchange): - 1100

**2. Hazard Identification**

**Statement of Hazardous Nature** Non-Hazardous according to the criteria of the 3rd Revised Edition of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS), Non-Dangerous Goods according to the criteria of ADG.

**Classification of the hazardous chemical**

Not classified

**Label elements, including precautionary statements****Hazard Pictograms**

Signal Word Not Hazardous

Hazard Statements Not Classified

**Precautionary Statements**

Prevention None

Response None

Storage None

Disposal None

**Contains Substances**

Contains no hazardous substances in concentrations above cut-off values according to the competent authority

**CAS Number**

NA

**Other hazards which do not result in classification**

None known

**Australia Classification**

For the full text of the H-phrases mentioned in this Section, see Section 16

Classification Not Classified

Risk Phrases None

**3. Composition/information on Ingredients**

| Substances                                                                                                   | CAS Number | PERCENT (w/w) | GHS Classification - Australia |
|--------------------------------------------------------------------------------------------------------------|------------|---------------|--------------------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA         | 60 - 100%     | Not Applicable                 |

**4. First aid measures****Description of necessary first aid measures**

**Inhalation** If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

**Eyes** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

**Skin** Wash with soap and water. Get medical attention if irritation persists.

**Ingestion** Do NOT induce vomiting. Give nothing by mouth. Obtain immediate medical attention.

**Symptoms caused by exposure**

No significant hazards expected.

**Medical Attention and Special Treatment**

Notes to Physician Treat symptomatically

## 5. Fire Fighting Measures

### Suitable extinguishing equipment

#### **Suitable Extinguishing Media**

Water fog, carbon dioxide, foam, dry chemical.

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

None known.

### Specific hazards arising from the chemical

#### **Special Exposure Hazards**

Decomposition in fire may produce harmful gases.

### 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.

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Use appropriate protective equipment. Slippery when wet.

### 6.2. Environmental precautions

Prevent from entering sewers, waterways, or low areas.

### 6.3. Methods and material for containment and cleaning up

Scoop up and remove.

## 7. Handling and storage

### 7.1. Precautions for Safe Handling

#### **Handling Precautions**

Avoid contact with eyes, skin, or clothing. Avoid creating or inhaling dust. Avoid dust accumulations.

#### **Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice.

### 7.2. Conditions for safe storage, including any incompatibilities

#### **Storage Information**

Use good housekeeping in storage and work areas to prevent accumulation of dust. Close container when not in use. Store between 40.5 F (4.7 C) and 120.5 F (49 C). Store away from oxidizers. Store in a cool, dry location. Product has a shelf life of 12 months.

#### **Other Guidelines**

No information available

## 8. Exposure Controls/Personal Protection

### Control parameters - exposure standards, biological monitoring

#### **Exposure Limits**

| Substances                                                                                                   | CAS Number | Australia NOHSC | ACGIH TLV-TWA  |
|--------------------------------------------------------------------------------------------------------------|------------|-----------------|----------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA         | Not applicable  | Not applicable |

### Appropriate 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:                                             |
| <b>Hand Protection</b>                 | Dust/mist respirator. (N95, P2/P3)                          |
| <b>Skin Protection</b>                 | Normal work gloves.                                         |
| <b>Eye Protection</b>                  | Normal work coveralls.                                      |
| <b>Other Precautions</b>               | Wear safety glasses or goggles to protect against exposure. |
| <b>Environmental Exposure Controls</b> | None known.                                                 |
|                                        | No information available                                    |

## 9. Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

|                        |                   |                        |                          |
|------------------------|-------------------|------------------------|--------------------------|
| <b>Physical State:</b> | Beads             | <b>Color:</b>          | Green                    |
| <b>Odor:</b>           | Odorless - Acidic | <b>Odor Threshold:</b> | No information available |

| <u>Property</u>                               | <u>Values</u>            |
|-----------------------------------------------|--------------------------|
| Remarks/ - Method                             |                          |
| <b>pH:</b>                                    | 6-8                      |
| <b>Freezing Point/Range</b>                   | 150-230 °C               |
| <b>Melting Point/Range</b>                    | No data available        |
| <b>Boiling Point/Range</b>                    | No data available        |
| <b>Flash Point</b>                            | No data available        |
| <b>Evaporation rate</b>                       | No data available        |
| <b>Vapor Pressure</b>                         | No data available        |
| <b>Vapor Density</b>                          | No data available        |
| <b>Specific Gravity</b>                       | 1.16 - 1.20              |
| <b>Water Solubility</b>                       | Insoluble in water       |
| <b>Solubility in other solvents</b>           | No data available        |
| <b>Partition coefficient: n-octanol/water</b> | No data available        |
| <b>Autoignition Temperature</b>               | 300 °C / 572 °F          |
| <b>Decomposition Temperature</b>              | No data available        |
| <b>Viscosity</b>                              | No data available        |
| <b>Explosive Properties</b>                   | No information available |
| <b>Oxidizing Properties</b>                   | No information available |

### 9.2. Other information

|                        |                   |
|------------------------|-------------------|
| <b>VOC Content (%)</b> | No data available |
|------------------------|-------------------|

## 10. Stability and Reactivity

### 10.1. Reactivity

Not expected to be reactive.

### 10.2. Chemical Stability

Stable

### 10.3. Possibility of Hazardous Reactions

Will Not Occur

### 10.4. Conditions to Avoid

Temperature over 440 F (240 C).

### 10.5. Incompatible Materials

Strong oxidizers. Strong alkalis.

### 10.6. Hazardous Decomposition Products

Toxic fumes. Aldehydes. Carbon monoxide and carbon dioxide.

## 11. Toxicological Information

### Information on routes of exposure

|                                    |                                  |
|------------------------------------|----------------------------------|
| <b>Principle Route of Exposure</b> | Eye or skin contact, inhalation. |
|------------------------------------|----------------------------------|

### Symptoms related to exposure

### Most Important Symptoms/Effects

No significant hazards expected.

**Numerical measures of toxicity**

**LD50 Oral:** No information available.  
**LD50 Dermal:** No information available.

**Toxicology data for the components**

| Substances                                                                                                   | CAS Number | LD50 Oral         | LD50 Dermal       | LC50 Inhalation   |
|--------------------------------------------------------------------------------------------------------------|------------|-------------------|-------------------|-------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA         | No data available | No data available | No data available |

**Immediate, delayed and chronic health effects from exposure**

**Inhalation** None known.  
**Eye Contact** None known.  
**Skin Contact** None known.  
**Ingestion** May cause abdominal pain, vomiting, nausea, and diarrhea.

**Chronic Effects/Carcinogenicity** No data available to indicate product or components present at greater than 0.1% are chronic health hazards.

**Exposure Levels**

No data available

**Interactive effects**

None known.

**Data limitations**

No data available

## 12. Ecological Information

**Ecotoxicity****Product Ecotoxicity Data**

No data available

**Substance Ecotoxicity Data**

| Substances                                                                                                   | CAS Number | Toxicity to Algae        | Toxicity to Fish         | Toxicity to Microorganisms | Toxicity to Invertebrates |
|--------------------------------------------------------------------------------------------------------------|------------|--------------------------|--------------------------|----------------------------|---------------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA         | No information available | No information available | No information available   | No information available  |

**12.2. Persistence and degradability**

Expected to be biodegradable

| Substances | CAS Number | Persistence and Degradability |
|------------|------------|-------------------------------|
|------------|------------|-------------------------------|

|                                                                                                              |    |                          |
|--------------------------------------------------------------------------------------------------------------|----|--------------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA | No information available |
|--------------------------------------------------------------------------------------------------------------|----|--------------------------|

**12.3. Bioaccumulative potential**

Does not bioaccumulate

| Substances                                                                                                   | CAS Number | Log Pow                  |
|--------------------------------------------------------------------------------------------------------------|------------|--------------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA         | No information available |

**12.4. Mobility in soil**

| Substances                                                                                                   | CAS Number | Mobility                 |
|--------------------------------------------------------------------------------------------------------------|------------|--------------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA         | No information available |

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

This product does not contain any known or suspected endocrine disruptors

|                                    |
|------------------------------------|
| <b>13. Disposal Considerations</b> |
|------------------------------------|

**Safe handling and disposal methods**

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

**Disposal of any contaminated packaging**

Follow all applicable national or local regulations.

**Environmental regulations**

Not applicable

|                                  |
|----------------------------------|
| <b>14. Transport Information</b> |
|----------------------------------|

**Transportation Information**

|                                    |                |
|------------------------------------|----------------|
| <b>UN Number:</b>                  | Not restricted |
| <b>UN Proper Shipping Name:</b>    | Not restricted |
| <b>Transport Hazard Class(es):</b> | Not applicable |
| <b>Packing Group:</b>              | Not applicable |
| <b>Environmental Hazards:</b>      | Not applicable |

**Special precautions during transport**

None

**HazChem Code**

None Allocated

|                                   |
|-----------------------------------|
| <b>15. Regulatory Information</b> |
|-----------------------------------|

**Safety, health and environmental regulations specific for the product****International Inventories**

**Australian AICS Inventory**  
**New Zealand Inventory of Chemicals**

All components listed on inventory or are exempt.  
 All components listed on inventory or are exempt.

**EINECS Inventory**

This product, and all its components, complies with EINECS

**US TSCA Inventory**

All components listed on inventory or are exempt.

**Canadian DSL Inventory**

All components listed on inventory or are exempt.

**Poisons Schedule number**

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None Allocated

|                              |
|------------------------------|
| <b>16. Other information</b> |
|------------------------------|

**Date of preparation or review****Revision Date:** 25-Jun-2015**Revision Note**

SDS sections updated: 2

**Full text of R-phrases referred to under Sections 2 and 3**

None

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

None

**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 Stewardship at 1-580-251-4335.

**Key abbreviations or acronyms used**

bw – body weight

CAS – Chemical Abstracts Service

EC50 – Effective Concentration 50%

LC50 – Lethal Concentration 50%

LD50 – Lethal Dose 50%

LL50 – Lethal Loading 50%

mg/kg – milligram/kilogram

mg/L – milligram/liter

NOEC – No Observed Effect Concentration

OEL – Occupational Exposure Limit

PBT – Persistent Bioaccumulative and Toxic

ppm – parts per million

STEL – Short Term Exposure Limit

TWA – Time-Weighted Average

vPvB – very Persistent and very Bioaccumulative

h - hour

mg/m<sup>3</sup> - milligram/cubic meter

mm - millimeter

mmHg - millimeter mercury

w/w - weight/weight

d - day

**Key literature references and sources for data**[www.ChemADVISOR.com/](http://www.ChemADVISOR.com/)**Disclaimer Statement**

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**End of Safety Data Sheet**