

# SAFETY DATA SHEET

## D-AIR 4000L

Revision Date: 25-Sep-2013

Revision Number: 7

### 1. Product and Company Identification

**Product Name**

**Product Trade Name:** D-AIR 4000L

**Other Names**

**Synonyms:** None

**Product Code:** HM005720

**Recommended Use**

**Recommended Use**

Defoamer

**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;  
Not Classified as dangerous good according to NZS 5433:2012, UN, IMDG or IATA

**Classification**

6.1E (Aspiration Hazard) Acutely Toxic Substances

**Hazard and Precautionary Statements**

**Hazard Pictograms**

**Signal Word** Warning

**Hazard Statements** H305 - May be harmful if swallowed and enters airways

**Precautionary Statements**

**Prevention** P102 - Keep out of reach of children

P103 - Read label before use

P104 - Read Safety Data Sheet before use.

**Response** P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or

doctor/physician

P331 - Do NOT induce vomiting

|   |  |                                      |
|---|--|--------------------------------------|
| <b>Storage</b>                                | P405 - Store locked up   |                                      |
| <b>Disposal</b>                               | P501 - Dispose of contents/container to an approved waste disposal plant |                                      |
| <b>Contains</b>                               |  |                                      |
| <b>Substances</b>                             | <b>CAS Number</b>  | <b>Substance HSNO Classification</b> |
| Isooctadecanoic acid, monoester with glycerol | 66085-00-5   | Not applicable                       |
| Hexadecene                                    | 26952-14-7   | 6.1E (aspiration hazard)             |
| Octadecene                                    | 27070-58-2   | Not applicable                       |

**2.3 Other Hazards**

None known

**3. Composition and Information on Ingredients**

| <b>Substances</b>                             | <b>CAS Number</b> | <b>PERCENT (w/w)</b> |
|---|-------------------|----------------------|
| Isooctadecanoic acid, monoester with glycerol | 66085-00-5        | 5 - 10%              |
| Hexadecene                                    | 26952-14-7        | 30 - 60%             |
| Octadecene                                    | 27070-58-2        | 30 - 60%             |

**4. First-Aid Measures****Requirements for First Aid or Medical Care**

|                   |   |
|-------------------|---|
| <b>Inhalation</b> | If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.    |
| <b>Eyes</b>       | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists. |
| <b>Skin</b>       | Wash with soap and water. Get medical attention if irritation persists.   |
| <b>Ingestion</b>  | Get medical attention! If vomiting occurs, keep head lower than hips to prevent aspiration.   |

**Workplace Facilities Required**

None

**Relation to Health Effect****Most Important Symptoms/Effects**

May cause mild eye, skin, and respiratory irritation. May cause lung damage if swallowed.

**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:** None Allocated**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 12 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 12 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.

#### 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 oxidizers. Keep container closed when not in use. Store locked up.

#### 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  |
|---|------------|-----------------|----------------|
| Isooctadecanoic acid, monoester with glycerol | 66085-00-5 | Not applicable  | Not applicable |
| Hexadecene                                    | 26952-14-7 | Not applicable  | Not applicable |
| Octadecene                                    | 27070-58-2 | 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:  
Organic vapor respirator.

#### Hand Protection

Impervious rubber gloves.

#### Skin Protection

Normal work coveralls.

#### Eye Protection

Wear safety glasses or goggles to protect against exposure.

#### Other Precautions

None known.

#### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

|   |                    |                          |                          |
|---|--------------------|--------------------------|--------------------------|
| <b>Physical State:</b>                        | Liquid             | <b>Color:</b>            | Clear light amber        |
| <b>Odor:</b>                                  | Slight Hydrocarbon | <b>Odor Threshold:</b>   | No information available |
| <b>Property</b>                               |                    | <b>Values</b>            |                          |
| <u>Remarks/ - Method</u>                      |                    |                          |                          |
| <b>pH:</b>                                    |                    | No data available        |                          |
| <b>Freezing Point/Range</b>                   |                    | No data available        |                          |
| <b>Melting Point/Range</b>                    |                    | No data available        |                          |
| <b>Boiling Point/Range</b>                    |                    | > 270 °C                 |                          |
| <b>Flash Point</b>                            |                    | > 121 °C                 |                          |
| Cleveland Open Cup (COC)                      |                    |                          |                          |
| <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>                       |                    | 0.79                     |                          |
| <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>               |                    | No data available        |                          |
| <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

### 10.2 Chemical Stability

Stable

### 10.4 Conditions to Avoid

None anticipated

### 10.5 Incompatible Materials

Strong oxidizers.

### 10.6 Hazardous Decomposition Products

Carbon monoxide and carbon dioxide. Hydrocarbons.

### Hazardous Reactions

**Hazardous Polymerization:** Will Not Occur

## 11. Toxicological Information

### Health Effect from Likely Routes of Exposure

#### Acute Toxicity

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | May cause respiratory irritation.   |
| <b>Eye Contact</b>  | May cause eye irritation.   |
| <b>Skin Contact</b> | May cause skin irritation.  |
| <b>Ingestion</b>    | May cause abdominal pain, vomiting, nausea, and diarrhea. Aspiration can be a hazard if this material is swallowed. |

**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   |
|---|------------|-------------------|-------------------|-------------------|
| Isooctadecanoic acid, monoester with glycerol | 66085-00-5 | No data available | No data available | No data available |
| Hexadecene                                    | 26952-14-7 | > 5050            | > 5000 mg/kg      | > 2.1 mg/l        |
| Octadecene                                    | 27070-58-2 | No data available | No data available | No data available |

**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 | Daphnia Magna (Water Flea)          |
|---|------------|---|--|----------------------------|-------------------------------------|
| Isooctadecanoic acid, monoester with glycerol | 66085-00-5 | No information available                | No information available                 | No information available   | No information available            |
| Hexadecene                                    | 26952-14-7 | EC50: >1000 mg/l (Skeletonema costatum) | LC50: >1000 mg/l (Cyprinodon variegatus) | No information available   | EC50: >1000 mg/l (Mysidopsis bahia) |
| Octadecene                                    | 27070-58-2 | No information available                | No information available                 | No information available   | No information available            |

**12.2 Persistence and degradability**

No information available

**12.3 Bioaccumulative potential**

Bioaccumulation is unlikely

| Substances | Log Pow |
|------------|---------|
| Hexadecene | > 4     |

**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**

Disposal should be made in accordance with federal, state, and local regulations. Incineration recommended in approved incinerator according to federal, state, and local regulations.

**Contaminated Packaging**

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**

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**UN Number:** Not restricted.  
**UN Proper Shipping Name:** Not restricted  
**Transport Hazard Class(es):** Not applicable

**NZ 5433.1999**

**UN Number:** Not restricted.  
**UN Proper Shipping Name:** Not restricted  
**Transport Hazard Class(es):** Not applicable

**IATA/ICAO**

**UN Number:** Not restricted.  
**UN Proper Shipping Name:** Not restricted  
**Transport Hazard Class(es):** Not applicable

**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** HSR002503

**Group Name** Additives, Process Chemicals and Raw Materials (Subsidiary hazard HSR002503)

**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.

**Key literature references and sources for data**

[www.ChemADVISOR.com/](http://www.ChemADVISOR.com/)  
NZ CCID

**Revision Date:** 25-Sep-2013

**Revision Note**

Not applicable

**Disclaimer Statement**

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**End of Safety Data Sheet**