

**SAFETY DATA SHEET****CLEANBORE A**

Revision Date: 14-Oct-2015

Revision Number: 17

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

**Statement of Hazardous Nature** 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** CLEANBORE A

**Other means of Identification**

**Synonyms:** None  
**Product Code:** HM000373

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

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

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

**Manufacturer/Supplier** Halliburton Australia Pty. Ltd.  
15 Marriott Road  
Jandakot  
WA 6164  
Australia  
  
ACN Number: 009 000 775  
Telephone Number: + 61 1 800 686 951  
Fax Number: 61 (08) 9455 5300  
**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** 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**

Serious Eye Damage / Eye Irritation	Category 1 - H318
Acute Aquatic Toxicity	Category 3 - H402

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



<b>Signal Word</b>	Danger
<b>Hazard Statements</b>	H318 - Causes serious eye damage H402 - Harmful to aquatic life
<b>Precautionary Statements</b>	
<b>Prevention</b>	P273 - Avoid release to the environment P280 - Wear eye protection/face protection
<b>Response</b>	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P310 - Immediately call a POISON CENTER or doctor/physician
<b>Storage</b>	None
<b>Disposal</b>	P501 - Dispose of contents/container in accordance with local/regional/national/international regulations
<b>Contains Substances</b>	<b>CAS Number</b> d-Glucopyranoside, C9-C11 alkyl oligomeric 132778-08-6
<b>Other hazards which do not result in classification</b>	None known
<b>Australia Classification</b>	For the full text of the H-phrases mentioned in this Section, see Section 16
<b>Classification</b>	Xi - Irritant.
<b>Risk Phrases</b>	R41 Risk of serious damage to eyes. R52 Harmful to aquatic organisms.

### 3. Composition/information on Ingredients

Substances	CAS Number	PERCENT (w/w)	GHS Classification - Australia
d-Glucopyranoside, C9-C11 alkyl oligomeric	132778-08-6	30 - 60%	Eye Corr. 1 (H318) Aquatic Acute 3 (H402)

### 4. First aid measures

#### Description of necessary 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>Eyes</b>	Immediately flush eyes with large amounts of water for at least 30 minutes. Seek prompt medical attention.
<b>Skin</b>	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**

Causes severe eye irritation which may damage tissue.

**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**

Use water spray to cool fire exposed surfaces. 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.

**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.

## 7. Handling and storage

**7.1. Precautions for Safe Handling**

**Handling Precautions**

Avoid contact with eyes, skin, or clothing. Avoid breathing vapors.

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice.

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

**Storage Information**

Store away from oxidizers. Store away from acids. Keep container closed when not in use. Store at temperature above 32 F (0 C).

Do not freeze. Product has a shelf life of 24 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
d-Glucopyranoside, C9-C11 alkyl oligomeric	132778-08-6	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:

Dust/mist respirator. (N95, P2/P3)

**Hand Protection**

Impervious rubber gloves.

**Skin Protection**

Normal work coveralls.

**Eye Protection**

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

**Other Precautions**

Eyewash fountains and safety showers must be easily accessible.

**Environmental Exposure Controls**

No information available

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

8-10

**Freezing Point/Range**

-20 °C

**Melting Point/Range**

No data available

**Boiling Point/Range**

No data available

**Flash Point**

&gt; 100 °C / &gt; 212 °F PMCC

**Evaporation rate**

No data available

**Vapor Pressure**

No data available

**Vapor Density**

No data available

**Specific Gravity**

1.1

**Water Solubility**

Miscible with 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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**10.1. 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**

None anticipated

**10.5. Incompatible Materials**

Strong acids. Strong oxidizers.

**10.6. Hazardous Decomposition Products**

Carbon monoxide and carbon dioxide.

<b>11. Toxicological Information</b>
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**Information on routes of exposure****Principle Route of Exposure**

Eye or skin contact, inhalation.

**Symptoms related to exposure****Most Important Symptoms/Effects**

Causes severe eye irritation which may damage tissue.

**Numerical measures of toxicity****Toxicology data for the components**

Substances	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
d-Glucopyranoside, C9-C11 alkyl oligomeric	132778-08-6	> 2000 mg/kg (Rat)	No data available	No data available

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

May cause respiratory irritation.

**Eye Contact**

Causes severe eye irritation which may damage tissue.

**Skin Contact**

May cause mild skin irritation.

**Ingestion**

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 0.1% are chronic health hazards.

**Exposure Levels**

No data available

**Interactive effects**

None known.

**Data limitations**

No data available

Substances	CAS Number	Skin corrosion/irritation
d-Glucopyranoside, C9-C11 alkyl oligomeric	132778-08-6	Not irritating to skin in rabbits.

Substances	CAS Number	Eye damage/irritation
d-Glucopyranoside, C9-C11 alkyl oligomeric	132778-08-6	Eye, rabbit: Causes severe eye irritation which may damage tissue. (similar substances)

Substances	CAS Number	Skin Sensitization
d-Glucopyranoside, C9-C11 alkyl oligomeric	132778-08-6	Did not cause sensitization on laboratory animals (guinea pig) (similar substances)

Substances	CAS Number	Respiratory Sensitization
d-Glucopyranoside, C9-C11 alkyl oligomeric	132778-08-6	No information available

Substances	CAS Number	Mutagenic Effects
d-Glucopyranoside, C9-C11 alkyl oligomeric	132778-08-6	In vitro tests did not show mutagenic effects. (similar substances)

Substances	CAS Number	Carcinogenic Effects
d-Glucopyranoside, C9-C11 alkyl oligomeric	132778-08-6	No information available.

Substances	CAS Number	Reproductive toxicity
d-Glucopyranoside, C9-C11 alkyl oligomeric	132778-08-6	Animal testing did not show any effects on fertility. Did not show teratogenic effects in animal experiments. (similar substances)

Substances	CAS Number	STOT - single exposure
d-Glucopyranoside, C9-C11 alkyl oligomeric	132778-08-6	No significant toxicity observed in animal studies at concentration requiring classification. (similar substances)

Substances	CAS Number	STOT - repeated exposure
d-Glucopyranoside, C9-C11 alkyl oligomeric	132778-08-6	No significant toxicity observed in animal studies at concentration requiring classification. (similar substances)

Substances	CAS Number	Aspiration hazard
d-Glucopyranoside, C9-C11 alkyl oligomeric	132778-08-6	Not applicable

## 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
d-Glucopyranoside, C9-C11 alkyl oligomeric	132778-08-6	EC50 (72h) 24.49 mg/L (Skeletonema costatum)	LC50 (96h) 78 mg/L (Scophthalmus maximus) NOEC (28d) 1.8 mg/L (Danio rerio)	No information available	LC50 (96h) 44 mg/L (Acartia tonsa) NOEC (21d) 1 mg/L (Daphnia magna) NOEC (21d) 2 mg/L (Daphnia magna)

### 12.2. Persistence and degradability

Substances	CAS Number	Persistence and Degradability
d-Glucopyranoside, C9-C11 alkyl oligomeric	132778-08-6	Readily biodegradable (69% @ 28d)

### 12.3. Bioaccumulative potential

Substances	CAS Number	Log Pow
d-Glucopyranoside, C9-C11 alkyl oligomeric	132778-08-6	-5.15 - 4.24

### 12.4. Mobility in soil

Substances	CAS Number	Mobility
d-Glucopyranoside, C9-C11 alkyl oligomeric	132778-08-6	No information available

### 12.6. Other adverse effects

#### **Endocrine Disruptor Information**

This product does not contain any known or suspected endocrine disruptors

## 13. Disposal Considerations

### Safe handling and disposal methods

Disposal should be made in accordance with federal, state, and local regulations.

### Disposal of any 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.

### Environmental regulations

Not applicable

## 14. Transport Information

### Transportation Information

UN Number:	Not restricted
UN Proper Shipping Name:	Not restricted
Transport Hazard Class(es):	Not applicable
Packing Group:	Not applicable
Environmental Hazards:	Not applicable

**Special precautions during transport**

None

**HazChem Code**

None Allocated

## 15. Regulatory Information

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

**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**

None Allocated

## 16. Other information

**Date of preparation or review****Revision Date:** 14-Oct-2015**Revision Note****Full text of R-phrases referred to under Sections 2 and 3**

R41 Risk of serious damage to eyes.

R52 Harmful to aquatic organisms.

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

H318 - Causes serious eye damage

H402 - Harmful to aquatic life

**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**

OSHA  
ECHA C&L  
[www.ChemADVISOR.com/](http://www.ChemADVISOR.com/)

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**End of Safety Data Sheet**