

## SAFETY DATA SHEET

### CLSAU352

Revision Date: 04-Mar-2015

Revision Number: 8

#### 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** CLSAU352

##### Other means of Identification

**Synonyms:** None  
**Product Code:** HM007421

##### 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 (08) 9455 8300  
Fax Number: 61 (08) 9455 5300

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

##### Emergency phone number

61 (08) 9455 8300

##### **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

Skin Corrosion / irritation	Category 2 - H315
Serious Eye Damage / Eye Irritation	Category 1 - H318

##### Label elements, including precautionary statements

##### **Hazard Pictograms**

**Signal Word**

Danger

**Hazard Statements**

H315 - Causes skin irritation

H318 - Causes serious eye damage

**Precautionary Statements****Prevention**

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear protective gloves/eye protection/face protection

**Response**

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P332 + P313 - If skin irritation occurs: Get medical advice/attention

P362 - Take off contaminated clothing and wash before reuse

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

**Storage**

None

**Disposal**

None

**Contains****Substances**

Sodium lauryl sulfate

**CAS Number**

151-21-3

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

None known

**Australia Classification***For the full text of the R/H-phrases mentioned in this Section, see Section 16***Classification**

Xi - Irritant.

**Risk Phrases**

R41 Risk of serious damage to eyes.

R38 Irritating to skin.

<b>3. Composition/information on Ingredients</b>			
<b>Substances</b>	<b>CAS Number</b>	<b>PERCENT (w/w)</b>	<b>GHS Classification - Australia</b>

Sodium lauryl sulfate	151-21-3	10 - 30%	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Eye Irrit. 1 (H318) STOT SE 3 (H335) Aquatic Acute 2 (H401) Aquatic Chronic 3 (H412)
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#### 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>	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.
<b>Skin</b>	Wash with soap and water. Get medical attention if irritation persists.
<b>Ingestion</b>	If swallowed, give at least 3-4 glasses of water, but do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. Get medical attention.

##### Symptoms caused by exposure

May cause severe eye irritation. May cause skin irritation.

##### 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 toxic 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

Do NOT spread spilled product with water. 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 breathing vapors. Wash hands after use. Launder contaminated clothing before reuse. Avoid breathing mist. Avoid contact with eyes, skin, or clothing.

**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. Keep from freezing. Keep container closed when not in use. Product has a shelf life of 24 months.

**Other Guidelines**

No information available

<b>8. Exposure Controls/Personal Protection</b>
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**Control parameters - exposure standards, biological monitoring****Exposure Limits**

Substances	CAS Number	Australia NOHSC	ACGIH TLV-TWA
Sodium lauryl sulfate	151-21-3	Not applicable	Not applicable

**Appropriate engineering controls****Engineering Controls**

Use in a well ventilated area. Local exhaust ventilation should be used in areas without good cross ventilation.

**Personal protective equipment (PPE)****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, AS/NZS 1715:2009, 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.

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

**Hand Protection**

Chemical-resistant protective gloves (EN 374) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Nitrile gloves. (>= 0.35 mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced. Manufacturer's directions for use should be observed because of great diversity of types.

**Skin Protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron, rain jacket, pants or coverall, as appropriate, to prevent skin contact.

**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:** Off white

**Odor:** Odorless

**Odor Threshold:** No information available

Property

Values

Remarks/ - Method

**pH:**

No data available

**Freezing Point/Range**

No data available

**Melting Point/Range**

No data available

**Boiling Point/Range**

100 °C / 212 °F

**Flash Point**

No data available

Evaporation rate	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	0.98
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

## 10. Stability and Reactivity

**10.1. Reactivity**

Not applicable

**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 oxidizers.

**10.6. Hazardous Decomposition Products**

Oxides of sulfur. Sodium oxides. Carbon monoxide and carbon dioxide.

## 11. Toxicological Information

**Information on routes of exposure**

**Principle Route of Exposure** Eye or skin contact, inhalation.

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

May cause severe eye irritation. May cause skin irritation.

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

Substances	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium lauryl sulfate	151-21-3	1288 mg/kg (Rat) 1200 mg/kg (Rat)	> 2000 mg/kg (Rabbit) (similar substance)	3900 mg/m <sup>3</sup> ( Rat ) 1 h

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

May cause respiratory irritation. May cause allergic respiratory reaction.

**Eye Contact**

May cause severe eye irritation.

**Skin Contact**

May cause an allergic skin reaction. Prolonged or repeated contact may cause skin irritation.

**Ingestion**

Irritation of the mouth, throat, and stomach.

**Exposure Levels**

No data available

**Interactive effects**

Eye ailments. Skin disorders. Respiratory disorders.

**Data limitations**

No data available

Substances	CAS Number	Skin corrosion/irritation
Sodium lauryl sulfate	151-21-3	Irritating to skin. (rabbit)

Substances	CAS Number	Eye damage/irritation
Sodium lauryl sulfate	151-21-3	Causes severe eye irritation. (rabbit)

Substances	CAS Number	Skin Sensitization
Sodium lauryl sulfate	151-21-3	Did not cause sensitization on laboratory animals (guinea pig) (similar substances)

Substances	CAS Number	Respiratory Sensitization
Sodium lauryl sulfate	151-21-3	No information available

Substances	CAS Number	Mutagenic Effects
Sodium lauryl sulfate	151-21-3	In vitro tests did not show mutagenic effects In vivo tests did not show mutagenic effects. (similar substances)

Substances	CAS Number	Carcinogenic Effects
Sodium lauryl sulfate	151-21-3	Did not show carcinogenic effects in animal experiments (similar substances)

Substances	CAS Number	Reproductive toxicity
Sodium lauryl sulfate	151-21-3	No significant toxicity observed in animal studies at concentration requiring classification. (similar substances)

Substances	CAS Number	STOT - single exposure
Sodium lauryl sulfate	151-21-3	No significant toxicity observed in animal studies at concentration requiring classification.

Substances	CAS Number	STOT - repeated exposure
Sodium lauryl sulfate	151-21-3	No significant toxicity observed in animal studies at concentration requiring classification.

Substances	CAS Number	Aspiration hazard
Sodium lauryl sulfate	151-21-3	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
Sodium lauryl sulfate	151-21-3	EC50(72h): > 120 mg/L (growth rate) (Desmodesmus subspicatus)	LC50(96h): 29 mg/L (Pimephales promelas) LC50(96h): 4.5 mg/L (Lepomis macrochirus) NOEC(28d): < 3.8 mg/L (Pimephales promelas)	EC50(3h): 135 mg/L (activated sludge)	LC50(48h): 5.55 mg/L (Ceriodaphnia dubia) NOEC(7d): 0.88 mg/L (Ceriodaphnia dubia)

**12.2. Persistence and degradability**

Substances	CAS Number	Persistence and Degradability
Sodium lauryl sulfate	151-21-3	Readily biodegradable (95% @ 28d)

**12.3. Bioaccumulative potential**

Substances	CAS Number	Log Pow
Sodium lauryl sulfate	151-21-3	<= -2.03

**12.4. Mobility in soil**

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.

**Environmental regulations**

Not applicable

**14. Transport Information****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

**15. Regulatory Information****Safety, health and environmental regulations specific for the product****International Inventories**

<b>Australian AICS Inventory</b>	All components listed on inventory or are exempt.
<b>New Zealand Inventory of Chemicals</b>	All components listed on inventory or are exempt.
<b>EINECS Inventory</b>	This product, and all its components, complies with EINECS
<b>US TSCA Inventory</b>	All components listed on inventory or are exempt.
<b>Canadian DSL Inventory</b>	All components listed on inventory or are exempt.

**Poisons Schedule number**

None Allocated

**16. Other information****Date of preparation or review**

**Revision Date:** 04-Mar-2015

**Revision Note**

SDS sections updated SECTION: 2

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

R22 Harmful if swallowed.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

H302 - Harmful if swallowed

H315 - Causes skin irritation

H318 - Causes serious eye damage

H412 - Harmful to aquatic life with long lasting effects

**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**

Not applicable

**Key literature references and sources for data**

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

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**End of Safety Data Sheet**