

# HALLIBURTON

## SAFETY DATA SHEET

### SA-1015

This safety data sheet was created pursuant to the requirements of: UK REACH Regulations (SI 2019/758 as amended)

Revision Date:: 10-Jun-2024  
Supersedes Date 04-Nov-2022

Revision Number: 25  
Product Code(s) HM007221

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product Name SA-1015  
Product Code(s) HM007221

##### Other means of identification

Pure substance/mixture Substance

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Suspending Agent  
Sector of uses [SU] SU2 - Mining, (including offshore industries)  
Uses advised against Consumer use

##### 1.3. Details of the supplier of the safety data sheet

Halliburton Manufacturing and Services Ltd.  
C/o Halliburton, Building 4, Chiswick Park,  
566 Chiswick High Road,  
London, W4 5YE,  
United Kingdom  
+44 1224 776888

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

##### For further information, please contact

E-mail address [fdunexchem@halliburton.com](mailto:fdunexchem@halliburton.com)

##### 1.4. Emergency telephone number

Emergency Telephone +44 8 08 189 0979 / 1-760-476-3961  
Global Incident Response Access Code: 334305  
Contract Number: 14012

United Kingdom	NHS Direct (UK): +44 0845 46 47
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Europe	112
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

GB CLP (SI 2020/1567 as amended)

Not classified

#### 2.2. Label elements

Not classified

**Signal word** **None**

#### **Hazard statements**

Not classified

#### **Precautionary statements**

**Additional information** No information available.

#### 2.3. Other hazards

No information available.

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT)  
This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB)

This product does not contain any known or suspected endocrine disruptors.

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

The product contains no substances which at their given concentration, are considered to be hazardous to health

Classification according to GB CLP (SI 2020/1567 as amended)

**Full text of H- and EUH-phrases: see section 16**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (UK REACH Article 59)

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

Inhalation	Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
Skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.
Ingestion	Rinse mouth.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms	No information available.
Effects of Exposure	No information available.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors	Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable Extinguishing Media	Water fog, carbon dioxide, foam, dry chemical.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.

#### 5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	No information available.
Hazardous combustion products	Carbon monoxide and carbon dioxide.

#### 5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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### SECTION 6: Accidental release measures

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

**Personal precautions** Ensure adequate ventilation.

**For emergency responders** Use personal protection recommended in Section 8.

#### 6.2. Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Take up mechanically, placing in appropriate containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

#### 6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Advice on safe handling** Ensure adequate ventilation.

**General hygiene considerations** Wash hands before breaks and immediately after handling the product.

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

**Storage Conditions** Store in a dry location. Store away from oxidizers. Use good housekeeping in storage and work areas to prevent accumulation of dust. Close container when not in use. Keep container closed when not in use.

#### 7.3. Specific end use(s)

**Specific use(s)** See section 1 for more information.

**Exposure scenario** No information available.

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

**Other information** No information available.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Biological occupational exposure limits** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

#### Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
Polysaccharide	-	125 mg/kg bw/day [4] [6] 416.7 mg/kg bw/day [4] [7]	178 mg/m <sup>3</sup> [4] [7]

#### Notes

[4] Systemic health effects.  
[6] Long term.  
[7] Short term.

#### Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
Polysaccharide	75 mg/kg bw/day [4] [6]	250 mg/kg bw/day [4] [6] 250 mg/kg bw/day [4] [7]	260.9 mg/m <sup>3</sup> [4] [6] 159 mg/m <sup>3</sup> [4] [7]

#### Notes

[4] Systemic health effects.  
[6] Long term.  
[7] Short term.

#### Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
Polysaccharide	0.1 mg/L	1 mg/L	0.01 mg/L	-	-

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Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Polysaccharide	0.392 mg/kg sediment dw	0.0392 mg/kg sediment dw	100 mg/L	0.0197 mg/kg soil dw	-

### 8.2. Exposure controls

Engineering controls	Use in a well ventilated area.
Personal protective equipment	Use engineering controls to keep exposures below the OEL or DNEL
Eye/face protection	Wear safety glasses or goggles to protect against exposure. (EN-166).
Hand protection	Use gloves which are suitable for the chemicals present in this product as well as other environmental factors in the workplace.

Gloves			
Duration of contact	PPE - Glove material	Glove thickness	Break through time
>8 hours	If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN 374 and provide employee skin care programs	>0.1 mm	>8 hours

Skin and body protection	Wear impervious protective clothing, including boots, gloves, lab coat, apron, rain jacket, pants or coverall, as appropriate, to prevent skin contact.
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.
Other protective equipment	Eyewash fountains and safety showers must be easily accessible.
Environmental exposure controls	No information available.

## SECTION 9: Physical and chemical properties

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

Physical state	Solid
Colour	White to tan

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Odour Slight.

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point	No data available	
Initial boiling point and boiling range		
Flammability	No data available	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	> 93.11 °C	(PMCC)
Autoignition temperature	204 °C	
Decomposition temperature		
pH	7 (1%)	-
pH (as aqueous solution)	7	solution (1 %)
Kinematic viscosity	No data available	
Dynamic viscosity	No data available	
Water solubility	Forms gel	
Solubility(ies)	No data available	
Partition coefficient	No data available	
Vapour pressure	No data available	
Relative density	1.45 - 1.55	g/cm3 (20°C / 68°F)
Bulk density	No data available	-
Liquid Density	No data available	-
Relative vapour density	No data available	-
Coefficient Water/Oil Distribution	No data available	-

### Particle characteristics

Form	Not applicable
Particle Size	Not applicable
Particle Size Distribution	Not applicable

Explosive properties No information available

Oxidising properties No information available

### 9.2. Other information

**Pour Point** No data available

**Softening point** Not applicable

**Molecular weight** Not applicable

**VOC content** No data available

9.2.1. Information with regards to physical hazard classes Not applicable

9.2.2. Other safety characteristics No information available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable under normal conditions.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

None under normal processing.

#### 10.4. Conditions to avoid

None known based on information supplied.

#### 10.5. Incompatible materials

Strong oxidizers.

#### 10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Information on likely routes of exposure

**Principle Routes of Exposure** Ingestion, Skin contact, Eye contact, Inhalation

##### Product Information

**Inhalation** No known effect based on information supplied.

**Eye contact** No known effect based on information supplied.

**Skin contact** No known effect based on information supplied.

**Ingestion** No known effect based on information supplied.

##### Symptoms related to the physical, chemical and toxicological characteristics



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No information available.

### Acute toxicity

Rat = Rat  
Rabbit = Rabbit  
Dust = Dusts  
Vapor = Vapour  
Aerosol = Aerosol  
Human = Human  
Mouse = Mouse  
Guinea pig = Guinea pig

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation**

**Serious eye damage/eye irritation**

**Respiratory or skin sensitisation**

**Germ cell mutagenicity**

**Carcinogenicity**

**Reproductive toxicity**

**STOT - single exposure**

**STOT - repeated exposure**

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Aspiration hazard

**Endocrine disrupting properties** This product does not contain any known or suspected endocrine disruptors.

**Other adverse effects** No information available.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecotoxicity

#### 12.2. Persistence and degradability

Persistence and degradability

#### 12.3. Bioaccumulative potential

#### 12.4. Mobility in soil

Mobility in soil

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

The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

#### 12.6. Other adverse effects

**Endocrine disrupting properties** This product does not contain any known or suspected endocrine disruptors.

**Other adverse effects** No information available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

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Contaminated packaging

Do not reuse empty containers.

### SECTION 14: Transport information

Regulatory information	14.1. UN number	14.2. UN proper shipping name	14.3. Transport hazard class(es)	14.4. Packing group	14.5. Environmental hazards	Notes
ADR	Not regulated	-	-	-	Not applicable	-
RID	Not regulated	-	-	-	Not applicable	-
IATA	Not regulated	-	-	-	Not applicable	-
IMDG	Not regulated	-	-	-	Not applicable	-
ADN	Not regulated	-	-	-	Not applicable	-

Regulatory information	14.6. Special precautions for user					
	Special Provisions	Classification code	Tunnel restriction code	EmS-No.	ERG Code	Note:
ADR	None	None	None	-	-	-
RID	None	None	-	-	-	-
IATA	None	-	-	-	None	-
IMDG	None	-	-	None	-	-
ADN	None	None	-	-	-	-

14.7 Maritime transport in bulk according to IMO instruments

No information available

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### National regulations

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

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Take note of Directive 94/33/EC on the protection of young people at work

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

### Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (UK REACH - Annex XIV). This product does not contain substances subject to restriction (UK REACH - Annex XVII).

Export Notification requirements Not applicable

Named dangerous substances per COMAH Regulations 2015 (as amended) Not applicable

The Biocidal Products Regulations 2001 (as amended) Not applicable

The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended) Not applicable

Poisons Act 1972 (Explosive Precursors) Regulations (as Amended) Not applicable

### International Inventories

EINECS/ELINCS All components listed on inventory or are exempt

#### Legend:

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

### 15.2. Chemical safety assessment

Chemical Safety Report No information available

## SECTION 16: Other information

### Key or legend to abbreviations and acronyms used in the safety data sheet

ADR - The European Agreement concerning the International Carriage of Dangerous Goods by Road

bw – body weight

CAS – Chemical Abstracts Service

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CLP – REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on Classification, Labelling and Packaging of substances and mixtures  
 Derived No Effect Level (DNEL)  
 EC – European Commission  
 EC10 – Effective Concentration 10%  
 EC50 – Effective Concentration 50%  
 EEC – European Economic Community  
 EN 149 - European standard on filtering halfmasks to protect against particles  
 EN 374 - European standard on Protective gloves against chemicals and micro-organisms  
 ErC50 – Effective Concentration growth rate 50%  
 IATA/ICAO – International Air Transport Association / International Civil Aviation Organization  
 IBC Code – International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
 LC50 – Lethal Concentration 50%  
 LD50 – Lethal Dose 50%  
 LL0 – Lethal Loading 0%  
 LL50 – Lethal Loading 50%  
 MARPOL – International Convention for the Prevention of Pollution from Ships  
 PBT – Persistent Bioaccumulative and Toxic  
 PEL – Permissible Exposure Limit  
 Predicted No Effect Concentration (PNEC)  
 PROC – Process category  
 REACH – REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals  
 STEL – Short Term Exposure Limit  
 SU – Sector of Use category  
 SVHC: Substances of Very High Concern for Authorisation:

**Legend Section 8: Exposure controls/personal protection**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	Sk*	Skin designation
+	Sensitisers		

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method

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Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

### Key literature references and sources for data used to compile the SDS

Acute Exposure Guideline Level(s) (AEGL(s))  
European Chemicals Agency (ECHA) (ECHA\_API)  
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
NIOSH (National Institute for Occupational Safety and Health)

Supersedes Date 04-Nov-2022  
Revision Date: 10-Jun-2024  
Reason for revision Update to Format

This material safety data sheet complies with the requirements of UK REACH Regulations (SI 2019/758 as amended)

### Disclaimer

This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user.

End of Safety Data Sheet