SDS no. PID10481 Version 9

Revision date 27/Mar/2017 Supersedes date 23/Jun/2016



# Safety Data Sheet ULTRACAP\*

## 1. Identification

#### 1.1 Product identifier

Product name ULTRACAP\*

Product code PID10481

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

Recommended Use Fluid loss reducer.

Uses advised against Consumer use

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

Supplier

M-I L.L.C.

P.O.Box 42842 Houston, TX 77242

www.miswaco.slb.com

Telephone: 1 281-561-1511

### Schlumberger Canada, Ltd.

200, 125 - 9th Avenue SE Calgary, Alberta T2G 0P6, Canada Telephone: 1-613-992-4624

E-mail address sdsmi@slb.com

### Prepared by

Global Regulatory Compliance - Chemicals (GRC - Chemicals), Bethicia Prasek

### 1.4 Emergency Telephone Number

Emergency telephone (24 Hour) Asia Pacific +65 3158 1074, Europe +44 (0) 1235 239 670, Middle East and Africa +44 (0) 1235 239 671, USA +1 281 561 1600, Canada +1 800 579 7421, Argentina: +54 11 5984 3690, Brazil: 0800-720-8000 0800-777-2323 (WGRA)

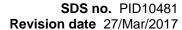
# 2. Hazards identification

### 2.1 Classification of the substance or mixture

**GHS - Classification** 

Health hazards Not classified

Environmental hazards Not classified





**Physical Hazards** 

Combustible dust Category 1

### 2.2 Label elements

### Signal word

WARNING

#### **Hazard statements**

H232 - May form combustible dust concentrations in air

### **Precautionary statements**

P240 - Ground/bond container and receiving equipment

P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment

P243 - Take precautionary measures against static discharge

### Hazards not otherwise classified

None known

Unknown acute toxicity Not applicable.

# 3. Composition/information on Ingredients

#### 3.1 Substances

Not applicable

### 3.2 Mixtures

Chemical Name	CAS No	Weight-%
Cationic acrylamide copolymer	Proprietary	60 - 100

#### Comments

Proprietary component(s) in section 3 of this SDS does not/do not trigger application of trade secret exemption under Hazardous Materials Information Review Act (HMIRA). The proprietary component in this product contributes to combustible dust classification.

# 4. First aid measures

# 4.1 First-Aid Measures

**Inhalation** If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation

develops or if breathing becomes difficult.

**Ingestion** Rinse mouth. Do not induce vomiting without medical advice. Never give anything by mouth

to an unconscious person. Get medical attention if symptoms occur. Seek medical attention

if irritation occurs.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated

clothes and shoes. Get medical attention immediately if symptoms occur.



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**Eye contact** Remove contact lenses. Promptly wash eyes with lots of water while lifting eye lids.

Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

General advice The severity of the symptoms described will vary dependant of the concentration and the

length of exposure. If adverse symptoms develop, the casualty should be transferred to

hospital as soon as possible.

Main symptoms

**Inhalation** Please see Section 11. Toxicological Information for further information.

**Ingestion** Please see Section 11. Toxicological Information for further information.

**Skin contact** Please see Section 11. Toxicological Information for further information.

**Eye contact** Please see Section 11. Toxicological Information for further information.

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

Notes to physician Treat symptomatically

# 5. Fire-fighting measures

# 5.1 Extinguishing media

### Suitable extinguishing media

Water Fog, Alcohol Foam, CO2, Dry Chemical.

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

None known.

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

### Unusual fire and explosion hazards

Suspended dust may present a dust explosion hazard.

### **Hazardous combustion products**

Carbon oxides (COx).

### 5.3 Advice for firefighters

### Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

# **Special Fire-Fighting Procedures**

Containers close to fire should be removed immediately or cooled with water.

### 6. Accidental release measures

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

Use personal protective equipment identified in Section 8. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Evacuate and ventilate the area. Prevent further leakage or spillage if safe to do so.



### 6.2 Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.

#### **Environmental exposure controls**

Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained.

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

#### Methods for containment

Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry.

#### Methods for cleaning up

Sweep up and shovel into suitable containers for disposal. Take precautionary measures against static discharges. Avoid dust formation. Powdered material may form explosive dust-air mixtures. Use non-sparking tools and equipment.

### 6.4 Reference to other sections

See section 13 for more information.

# 7. Handling and storage

### 7.1 Precautions for safe handling

### Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Avoid dust formation. Fine dust dispersed in air may ignite. Avoid breathing dust; if exposed to high dust concentration, leave area immediately. Take precautionary measures against static discharges.

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

**Technical measures/precautions** 

Ensure adequate ventilation. Provide appropriate exhaust ventilation at places where dust is formed. Keep airborne concentrations below exposure limits.

Storage precautions

Keep away from open flames, hot surfaces and sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.

# 8. Exposure controls/personal protection

# 8.1 Control parameters

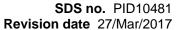
**Exposure limits** 

Control as an ACGIH particulate not otherwise specified (PNOS): 10 mg/m<sup>3</sup> (Inhalable); 3 mg/m<sup>3</sup> (Respirable) and an OSHA particulate not otherwise regulated (PNOR): 15 mg/m<sup>3</sup> (Total); 5 mg/m<sup>3</sup> (Respirable).

Chemical Name	ACGIH TLV	OSHA PEL
Cationic acrylamide copolymer	Not determined	Not determined

### 8.2 Exposure controls

All chemical Personal Protective Equipment (PPE) should be selected based on an assessment of both the chemical hazard present and the risk of exposure to those hazards. The PPE recommendations below are based on an assessment of the chemical hazards associated with this product. Where this product is used in a mixture with other products or fluids, additional hazards may be created and as such further assessment of risk may be required. The risk of exposure and need of respiratory protection will





vary from workplace to workplace and should be assessed by the user in each situation.

### Engineering measures to reduce exposure

Ensure adequate ventilation.

Personal protective equipment

**Eye protection** Tightly fitting safety goggles.

**Hand protection** Wear chemical resistant gloves such as nitrile or neoprene.

Respiratory Protection

All respiratory protection equipment should be used within a comprehensive respiratory protection program that meets the requirements of 29 CFR 1910.134 (U.S. OSHA

Respiratory Protection Standard) or local equivalent.If exposed to airborne mist/aerosol of this product, use an organic vapor cartridge with a P-95 pre-filter attached. In work environments containing oil mist/aerosol, use an organic vapor cartridge with a P-95 pre-filter attached.If exposed to vapors from this product, use a NIOSH/MSHA-approved

respirator with an organic vapor cartridge.

**Skin and body protection** Wear suitable protective clothing, Eye wash and emergency shower must be available at

the work place.

**Hygiene measures**Wash hands before eating, drinking or smoking, Remove and wash contaminated clothing

before re-use.

# 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state
Appearance
Color
Odor
Odor threshold
Powder Dust
Black
Odorless
Not applicable

Property Values Remarks

Not applicable

pH No information available
pH @ dilution No information available
Melting / freezing point 212 °C / 415 °F
Boiling point/range No information available
Flash point No information available
Evaporation rate (BuAc =1) No information available

Flammability (solid, gas)

Flammability Limit in Air

Upper flammability limit
Lower flammability limit
Vapor pressure
Vapor density

No information available
No information available
No information available

Specific gravity 1.04 - 1.06 20 °C

Bulk density

Solubility

Solubility in other solvents

Autoignition temperature

Decomposition temperature

540 kg/m³ / ~34 lb/ft3
Insoluble in water

No information available

500 °C / 932 °F

288 °C / 550 °F

Kinematic viscosity

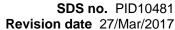
Dynamic viscosity

No information available
No information available
No information available

**Explosive properties**Suspended dust may present a dust explosion hazard

Oxidizing properties No information available

9.2 Other information





Pour pointNo information availableMolecular weightNo information available

VOC content(%) None

**Density** No information available

# 10. Stability and reactivity

# 10.1 Reactivity

Dust may form explosive mixture in air.

### 10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3 Possibility of Hazardous Reactions

### **Hazardous polymerization**

Hazardous polymerization does not occur.

### 10.4 Conditions to avoid

Avoid contact with heat, sparks, open flame, and static discharge.

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

Carbon oxides (COx).

# 11. Toxicological information

### 11.1 Information on toxicological effects

**Acute toxicity** 

**Inhalation** Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and

cough. May cause irritation of respiratory tract.

**Eye contact** Dust may cause mechanical irritation.

**Skin contact** Repeated exposure may cause skin dryness or cracking.

Ingestion Ingestion may cause stomach discomfort. Irritant; may cause pain or discomfort to mouth,

throat and stomach.

#### Toxicology data for the components

Cationic acrylamide copolymer No data available No data available No data available	Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
	Cationic acrylamide copolymer	No data available	No data available	No data available

Chemical Name	IARC Group 1 or 2	ACGIH - Carcinogens	OSHA listed carcinogens	NTP
Cationic acrylamide copolymer	No data available	No data available	No data available	No data available

Sensitization Not classified.





**Mutagenic effects** No evidence of mutagenic properties.

**Carcinogenicity** No evidence of carcinogenic properties.

**Reproductive toxicity**No evidence of toxicity to reproduction.

**Developmental toxicity**Not known to cause birth defects or have a deleterious effect on a developing fetus.

Routes of exposure Inhalation. Skin contact. Eye contact.

Routes of entry Inhalation.

Specific target organ toxicity -

Single exposure

Specific target organ toxicity -

Repeated exposure

Not classified

Not classified.

Target organ effects Respiratory system.

Aspiration hazard Not applicable.

# 12. Ecological information

### 12.1 Toxicity

### Toxicity to algae

This product is not considered toxic to algae. No product level data available. See component information below.

### Toxicity to fish

Not considered toxic to fish. No product level data available. See component information below.

# Toxicity to daphnia and other aquatic invertebrates

Not considered toxic. No product level data available. See component information below.

Chemical Name	Toxicity to fish	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates
Cationic acrylamide copolymer	No information available	No information available	No information available

### 12.2 Persistence and degradability

Product is biodegradable. No product level data available.

### 12.3 Bioaccumulative potential

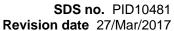
No data available.

### 12.4 Mobility in soil

The product is water soluble, and may spread in water systems.

### 12.5 Results of PBT and vPvB assessment

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





### 12.6 Other adverse effects.

None known.

# 13. Disposal considerations

### 13.1 Waste treatment methods

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

Contaminated packaging Empty containers should be taken for local recycling, recovery or waste disposal.

# 14. Transport information

### 14.1. UN number

Not regulated

UN No. (DOT)
UN No. (TDG)
UN/ID No. (ADR/RID/ADN/ADG)
UN No. (IMDG)
UN No. (ICAO)

Not regulated
Not regulated
Not regulated
Not regulated

### 14.2. UN proper shipping name

The product is not covered by international regulation on the transport of dangerous goods

#### 14.3 Hazard class(es)

DOT Hazard class
TDG Hazard class
ADR/RID/ADN/ADG Hazard class
IMDG Hazard class
ICAO Hazard class/division
Not regulated
Not regulated
Not regulated
Not regulated

### 14.4 Packing group

DOT Packing group
TDG Packing group
ADR/RID/ADN/ADG Packing group
IMDG Packing group
ICAO Packing group
Not regulated
Not regulated
Not regulated
Not regulated

### 14.5 Environmental hazard

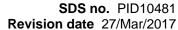
Marine pollutant No

#### 14.6 Special precautions

None

# 15. Regulatory information

#### International inventories





USA (TSCA)	Complies
Canada (DSL)	Complies
European Union (EINECS and ELINCS)	Complies
Philippines (PICCS)	Complies
Japan (ENCS)	Complies
China (IECSC)	Complies
Australia (AICS)	Complies
Korean (KECL)	Complies
New Zealand (NZIoC)	Complies

### **IMPORTS**, Canada

No import volume restrictions.

### U.S. Federal and State Regulations

### SARA 311/312 Hazard Categories

Fire Hazard (Combustible Dust)

Chemical Name	SARA 302 / TPQs	SARA 313	CERCLA RQ
Cationic acrylamide copolymer	N/A	N/A	N/A

### **State Comments**

Proposition 65: This product is not known to contain chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer and/or reproductive toxicity at levels that are expected to pose a significant risk under anticipated use conditions.

#### **Canadian Classification**

This Safety Data Sheet has been prepared in compliance with the Hazardous Products Regulations.

# 16. Other information

Supersedes date 23/Jun/2016

Revision date 27/Mar/2017

Version 9

This SDS has been revised in the All sections. Up

following section(s)

All sections. Updated according to WHMIS 2015.

#### **HMIS** classification

Health 1
Flammability 1
Physical hazard 0
PPE E

N/A - Not Applicable, N/D - Not Determined.

<sup>\*</sup>A mark of M-I L.L.C., a Schlumberger Company



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#### Disclaimer

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