

## Safety Data Sheet PLATINUM FOAM\* PLUS

### 1. Identification

#### 1.1 Product identifier

**Product name** PLATINUM FOAM\* PLUS  
**Product code** PID15938

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

**Recommended Use** Foaming agent.  
**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

**M-I SWACO, A Schlumberger Company**  
200 - 125, 9th Avenue SE  
Calgary, Alberta T2G 0P6, Canada  
Telephone: 1-780-962-8221

**E-mail address** SDS@slb.com

**Prepared by**

Global Regulatory Compliance - Chemicals (GRC - Chemicals)

#### 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 : +55 11 3197 5891

### 2. Hazards Identification

#### 2.1 Classification of the substance or mixture

**GHS - Classification**

**Health hazards**

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2

**Environmental hazards**

Acute aquatic toxicity	Category 2
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**Physical Hazards**

Not classified

**2.2 Label elements**



**Signal word**

WARNING

**Hazard Statements**

H302 - Harmful if swallowed

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H401 - Toxic to aquatic life

**Precautionary Statements**

P280 - Wear protective gloves, protective clothing, eye protection

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

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

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P330 - Rinse mouth

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

**Supplementary precautionary statements**

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

P270 - Do not eat, drink or smoke when using this product

P273 - Avoid release to the environment

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

P337 + P313 - If eye irritation persists: Get medical advice/attention

P362 + P364 - Take off contaminated clothing and wash it before reuse

P391 - Collect spillage

**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-%
Sodium (C14-16) Olefin Sulfonate	68439-57-6	30-60
2-butoxyethanol	111-76-2	10-30
2,2'-oxydiethanol	111-46-6	5-10
Formaldehyde (impurity)	50-00-0	<0.1

#### Comments

Formaldehyde is not present as a substance. It is formed during decomposition.

The product contains other ingredients which do not contribute to the overall classification.

## 4. First Aid Measures

### 4.1 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>Ingestion</b>	Rinse mouth. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Seek medical attention if irritation occurs.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention immediately if symptoms occur.
<b>Eye Contact</b>	Promptly wash eyes with lots of water while lifting eye lids. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if any discomfort continues.

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

<b>General advice</b>	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.
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#### Symptoms

<b>Inhalation</b>	Please see Section 11. Toxicological Information for further information.
<b>Ingestion</b>	Please see Section 11. Toxicological Information for further information.
<b>Skin contact</b>	Please see Section 11. Toxicological Information for further information.
<b>Eye contact</b>	Please see Section 11. Toxicological Information for further information.

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

<b>Notes to physician</b>	Treat symptomatically
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## 5. Fire-Fighting Measures

### 5.1 Extinguishing media

Suitable extinguishing media

Water Fog, Alcohol Foam, CO<sub>2</sub>, Dry Chemical.

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

Water may be ineffective.

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

**Unusual fire and explosion hazards**

None known.

**Hazardous combustion products**

Carbon oxides (CO<sub>x</sub>), Nitrogen oxides (NO<sub>x</sub>), Formaldehyde.

**5.3 Advice for firefighters**

**Special protective equipment and precautions 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. See also section 8. If spilled, take caution, as material can cause surfaces to become very slippery.

**6.2 Environmental precautions**

Disposal should be in accordance with applicable regional, national and local laws and regulations. Large spills released to the environment may disturb the natural chemical balance of soil/fresh water.

**Environmental exposure controls**

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. Dike far ahead of liquid spill for later disposal.

**Methods for cleaning up**

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. After cleaning, flush away traces with water.

**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. Do not breathe vapors or spray mist. Avoid spills and splashing during use.

**Hygiene measures**

Use good work and personal hygiene practices to avoid exposure. When using do not smoke, eat or drink. Wash hands and face before breaks and immediately after handling the product. Remove contaminated clothing.

## 7.2 Conditions for safe storage, including any incompatibilities

**Technical measures/precautions** Ensure adequate ventilation. Keep airborne concentrations below exposure limits. Take precautionary measures against static discharges.

**Storage precautions** Keep containers tightly closed in a dry, cool and well-ventilated place. Avoid contact with: Heat, flames and sparks. Strong oxidizing agents.

**Packaging materials** Use specially constructed containers only.

## 8. Exposure Controls/Personal Protection

### 8.1 Control parameters

**Exposure limits** Formaldehyde is not present as a substance. It is formed during decomposition.

Component Information

Chemical Name	ACGIH TLV	OSHA PEL	Argentina - Occupational Exposure Limits - TWAs (CMPs)	Brazil - Occupational Exposure Limits - TWAs (LTs)	Mexico - Occupational Exposure Limits - TWAs (LMPE-PPTs)
Sodium (C14-16) Olefin Sulfonate	Not determined	Not determined	Not determined	Not determined	Not determined
2-butoxyethanol	20 ppm	50 ppm TWA 240 mg/m <sup>3</sup> TWA	20 ppm TWA	39 ppm TWA LT; 190 mg/m <sup>3</sup> TWA LT	20 ppm TWA VLE-PPT
2,2' -oxydiethanol	Not determined	Not determined	Not determined	Not determined	Not determined
Formaldehyde (impurity)	0.1 ppm	0.75 ppm TWA	Not determined	Not determined	Not determined

### IDLH (Immediately Dangerous to Life or Health)

This product contains substance(s) classified as Immediately Dangerous to Life or Health (IDLH) by the US National Institute for Occupational Safety and Health (NIOSH). The purpose of establishing an IDLH value is to ensure that the worker can escape from a given contaminated environment in the event of failure of the most protective respiratory protection equipment. In the event of failure of respiratory protection equipment every effort should be made to exit immediately.

Chemical Name	IDLH (Immediately Dangerous to Life or Health)
Sodium (C14-16) Olefin Sulfonate 68439-57-6	-
2-butoxyethanol 111-76-2	700 ppm IDLH
2,2' -oxydiethanol 111-46-6	-
Formaldehyde (impurity) 50-00-0	20 ppm IDLH

### 8.2 Exposure controls

A risk assessment is recommended to be performed by a qualified and trained personnel to analyze the worksite and recommends the appropriate controls such as engineering controls, work practice controls, and administrative controls as primary means of reducing employee exposure. When there is a remaining hazards after applying the primary controls, Personal Protective Equipment (PPE) must be used.

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 Controls

Ensure adequate ventilation. Mechanical ventilation or local exhaust ventilation is required.

#### Personal protective equipment

<b>Eye protection</b>	Tightly fitting safety goggles.
<b>Hand protection</b>	Impervious gloves made of: Butyl Rubber Break through time >480 minutes Glove thickness >=0.5 mm Be aware that liquid may penetrate the gloves. Frequent change is advisable.
<b>Respiratory Protection</b>	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.
<b>Skin and body protection</b>	Wear suitable protective clothing, Eye wash and emergency shower must be available at the work place.
<b>Hygiene Measures</b>	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

<b>Physical state</b>	Liquid
<b>Appearance</b>	No information available
<b>Color</b>	Clear - Pale yellow
<b>Odor</b>	Mild Polyether.
<b>Odor threshold</b>	Not applicable

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
<b>pH</b>	No information available	
<b>pH @ dilution</b>	7.5 - 8.5	@ 10%
<b>Melting point</b>	-9.4 °C / 15 °F	
<b>Boiling point</b>	98.8 °C / 210 °F	
<b>Flash point</b>	94.4 °C / 202 °F	
<b>Evaporation rate (BuAc =1)</b>	No information available	
<b>Flammability (solid, gas)</b>	Not applicable	
<b>Flammability Limit in Air</b>		
Upper flammability limit	No information available	
Lower flammability limit	No information available	
<b>Vapor pressure</b>	No information available	
<b>Vapor density</b>	No information available	
<b>Specific gravity</b>	1.04	
<b>Bulk density</b>	No information available	
<b>Water solubility</b>	Soluble in water	
<b>Solubility in other solvents</b>	No information available	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Kinematic viscosity</b>	No information available	
<b>Dynamic viscosity</b>	No information available	
<b>Partition Coefficient</b>	No information available	

**(n-octanol/water)**

<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available

**9.2 Other information**

<b>Pour point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC content(%)</b>	No information available
<b>Density</b>	No information available

**Comments**

The data listed above are typical physical and chemical properties and should not be construed as product specification.

## 10. Stability and Reactivity

**10.1 Reactivity**

No specific reactivity hazards associated with this product.

**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 heat, flames and other sources of ignition.

**10.5 Incompatible materials**

Strong oxidizing agents.

**10.6 Hazardous decomposition products**

See Section 5.2.

## 11. Toxicological Information

**11.1 Information on toxicological effects**

**Acute toxicity**

**Product information**

This product may contain or release trace amounts of formaldehyde. The International Agency for Research on Cancer (IARC) has classified formaldehyde as a Group 1 carcinogen (limited evidence in humans, sufficient evidence in animals). Exposure to formaldehyde has been linked to adverse reproductive effects in some human and animal studies. In other reproductive studies, however, no adverse effects were noted. (Meditext). Formaldehyde may also cause skin sensitisation (allergic reaction).

**Inhalation**

Vapors may irritate throat and respiratory system.

**Eye contact**

Causes serious eye irritation.

**Skin contact** Causes skin irritation. May be absorbed through the skin in harmful amounts.

**Ingestion** Harmful if swallowed.

**Toxicology data for the components**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium (C14-16) Olefin Sulfonate	2220 mg/kg (rat)	740.74 mg/kg (Rabbit)	No data available
2-butoxyethanol	470 mg/kg (rat)	435 mg/kg (Rabbit)	No data available
2,2' -oxydiethanol	12565 mg/kg (rat)	11890 mg/kg (Rabbit)	No data available
Formaldehyde (impurity)	100 mg/kg (rat)	270 mg/kg (Rabbit)	No data available

Chemical Name	IARC Group 1 or 2	ACGIH - Carcinogens	OSHA listed carcinogens	NTP
Sodium (C14-16) Olefin Sulfonate	No data available	No data available	No data available	No data available
2-butoxyethanol	No data available	A3 Confirmed Animal Carcinogen with Unknown Relevance to Humans	No data available	No data available
2,2' -oxydiethanol	No data available	No data available	No data available	No data available
Formaldehyde (impurity)	Group 1; Monograph 100F [2012]; Monograph 100F [2012]; Monograph 88 [2006]; Monograph 62 [1995]; Supplement 7 [1987] Group 1; Monograph 88 [2006] Group 1; Monograph 62 [1995] Group 1; Supplement 7 [1987]	A1 Confirmed Human Carcinogen	Present	Known Human Carcinogen

**Delayed and immediate effects and chronic effects from short and long term exposure**

**Sensitization** This product does not contain any components suspected to be sensitizing.

**Mutagenic effects** This product does not contain any known or suspected mutagens.

**Carcinogenicity** Formaldehyde is listed by IARC in Group 1 as carcinogenic to humans.

**Reproductive toxicity** This product does not contain any known or suspected reproductive hazards.

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

**Routes of Exposure** Eye contact. Skin contact. Ingestion. Inhalation.

**Routes of entry** Skin absorption. Inhalation.

**Specific target organ toxicity - Single exposure** Not classified

**Specific target organ toxicity - Repeated exposure** Not classified.



**Aspiration hazard** Not applicable.

## 12. Ecological Information

### 12.1 Toxicity

#### Toxicity to algae

See component information below.

#### Toxicity to fish

See component information below.

#### Toxicity to daphnia and other aquatic invertebrates

See component information below.

#### Toxicology data for the components

Chemical Name	Toxicity to fish	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates
Sodium (C14-16) Olefin Sulfonate	>1-10 mg/l, 96 h Read-across (analogy)	NOEC >1-10 mg/l, 72 h, Skeletonema costatum (marine diatom) Literature data	>1-10 mg/l, 48 h, Daphnia Read-across (analogy)
2-butoxyethanol	= 2950 mg/L LC50 Lepomis macrochirus 96 h = 1490 mg/L LC50 Lepomis macrochirus 96 h	No information available	1698 - 1940 mg/L EC50 Daphnia magna 24 h > 1000 mg/L EC50 Daphnia magna 48 h
2,2' -oxydiethanol	= 75200 mg/L LC50 Pimephales promelas 96 h	No information available	= 84000 mg/L EC50 Daphnia magna 48 h
Formaldehyde (impurity)	23.2 - 29.7 mg/L LC50 Pimephales promelas 96 h 100 - 136 mg/L LC50 Oncorhynchus mykiss 96 h 0.032 - 0.226 mL/L LC50 Oncorhynchus mykiss 96 h = 41 mg/L LC50 Brachydanio rerio 96 h = 1510 µg/L LC50 Lepomis macrochirus 96 h 22.6 - 25.7 mg/L LC50 Pimephales promelas 96 h	No information available	11.3 - 18 mg/L EC50 Daphnia magna 48 h = 2 mg/L LC50 Daphnia magna 48 h

### 12.2 Persistence and degradability

No product level data available.

### 12.3 Bioaccumulative potential

No product level data available.

### 12.4 Mobility

Soluble in water.

### 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

<b>Disposal Method</b>	Disposal should be made in accordance with federal, state and local regulations.
<b>Contaminated packaging</b>	Empty containers should be taken for local recycling, recovery or waste disposal.

## 14. Transport information

### 14.1. UN number

<b>UN No. (DOT)</b>	Not regulated
<b>UN No. (MT/ANTT)</b>	Not regulated
<b>UN No. (TDG)</b>	Not regulated
<b>UN/ID No. (ADR/RID/ADN/ADG)</b>	Not regulated
<b>UN No. (IMDG/ANTAQ)</b>	Not regulated
<b>UN No. (ICAO/ANAC)</b>	Not regulated
<b>UN No. (DPC)</b>	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)

<b>DOT Hazard class</b>	Not regulated
<b>ANTT Hazard class</b>	Not regulated
<b>TDG Hazard class</b>	Not regulated
<b>ADR/RID/ADN/ADG Hazard class</b>	Not regulated
<b>IMDG/ANTAQ Hazard class</b>	Not regulated
<b>ICAO/ANAC Hazard class/division</b>	Not regulated
<b>DPC Hazard class</b>	Not regulated

### 14.4 Packing group

<b>DOT Packing group</b>	Not regulated
<b>ANTT Packing group</b>	Not regulated
<b>TDG Packing group</b>	Not regulated
<b>ADR/RID/ADN/ADG Packing group</b>	Not regulated
<b>IMDG/ANTAQ Packing group</b>	Not regulated
<b>ICAO/ANAC Packing group</b>	Not regulated
<b>DPC Packing group</b>	Not regulated

### 14.5 Environmental hazard

Marine pollutant	No
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### 14.6 Special precautions

Not applicable

## 15. Regulatory Information

### International inventories

<b>USA (TSCA)</b>	Complies
<b>Canada (DSL)</b>	Complies
<b>Philippines (PICCS)</b>	Complies
<b>Japan (ENCS)</b>	Does not comply
<b>China (IECSC)</b>	Complies
<b>Australia (AICS)</b>	Complies
<b>Korean (KECL)</b>	Complies
<b>New Zealand (NZIoC)</b>	Complies

### Europe - REACH

All products supplied from the European Economic Area (EEA) are compliant with the REACH Regulation EC 1907/2006. For products supplied from the EEA, Schlumberger and/or its suppliers have pre-registered and is registering all of the substances that it and/or its suppliers manufactures in or imports into the EEA that are subject to Title II of the REACH Regulation. All products supplied from outside the EEA are subject to REACH only if imported into the EEA. The importer of the products must comply with REACH for each imported substance. Contact REACH@slb.com for REACH information.

### U.S. Federal and State Regulations

#### **SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

<b>Chemical Name</b>	<b>SARA 302 / TPQs</b>	<b>SARA 313</b>	<b>CERCLA RQ</b>
Sodium (C14-16) Olefin Sulfonate	N/A	N/A	N/A
2-butoxyethanol	N/A	N/A	N/A
2,2' -oxydiethanol	N/A	N/A	N/A
Formaldehyde (impurity)	500 lb TPQ	0.1 %	100 lb final RQ 45.4 kg final RQ

### California Proposition 65

#### **WARNING**



This product can expose you to chemicals including those listed below, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

<b>Chemical Name</b>	<b>California Proposition 65</b>
Formaldehyde (impurity) 50-00-0	carcinogen

## **16. Other Information**

**Supersedes date** 25/Jul/2017

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**Revision date** 30/Sep/2020

**Version** 5

**This SDS has been revised in the following section(s)** All sections. There have been changes with regard to classification.

**HMIS classification**

Health	2
Flammability	0
Physical hazard	0
PPE	X

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