



## Material Safety Data Sheet

# SUPER SURF

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION		

### 1. Product and Company Identification

<b>Material name</b>	<b>SUPER SURF</b>
<b>Patent Number</b>	Not available
<b>Version No.</b>	2
<b>CAS #</b>	Mixture
<b>Manufacturer information</b>	Clearwater International L.L.C. 100 Leetsdale Industrial Drive Leetsdale, PA 15056 US CHEMTREC 1-800-424-9300/703-527-3887
<b>Emergency</b>	CHEMTREC 1-800-424-9300/703-527-3887
<b>Supplier information</b>	Universal Well Services, Inc. 18360 Technology Drive Meadville, PA 16335 US

### 2. Hazards Identification

<b>Emergency overview</b>	Will be easily ignited by heat, spark or flames. Prolonged exposure may cause chronic effects.
<b>OSHA regulatory status</b>	This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).
<b>Potential health effects</b>	
<b>Eyes</b>	Eye contact may result in corneal injury. Contact may irritate or burn eyes. Do not get this material in contact with eyes.
<b>Skin</b>	Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Do not get this material in contact with skin.
<b>Inhalation</b>	Prolonged inhalation may be harmful. Do not breathe dust/fume/gas/mist/vapors/spray.
<b>Ingestion</b>	May cause delayed lung damage. Do not ingest. Components of the product may be absorbed into the body by ingestion.
<b>Target organs</b>	Central nervous system. Eyes. Gastrointestinal tract. Lungs. Respiratory system. Skin.
<b>Chronic effects</b>	Shortness of breath. Conjunctiva. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. May cause delayed lung damage. Prolonged skin contact may defat the skin and produce dermatitis.
<b>Signs and symptoms</b>	Discomfort in the chest. Shortness of breath. Corneal damage. Narcosis. Decrease in motor functions. Behavioral changes. Cough. Conjunctivitis. Defatting of the skin. Rash. Irritation.
<b>Potential environmental effects</b>	May cause long-term adverse effects in the environment.





### 3. Composition / Information on Ingredients

Components	CAS #	Percent
Methanol	67-56-1	30 - 60

### 4. First Aid Measures

#### First aid procedures

**Eye contact**

Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

**Skin contact**

Wash off with soap and water. Get medical attention if irritation develops or persists.

**Inhalation**

If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately.

**Ingestion**

If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice.

**Notes to physician**

Symptoms may be delayed.

**General advice**

Call a physician if symptoms develop or persist. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 5. Fire Fighting Measures

**Flammable properties**

Flammable by OSHA criteria. Containers may explode when heated. Runoff to sewer may cause fire or explosion hazard.

**Extinguishing media****Suitable extinguishing media**

Foam. Dry chemical. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media**

Do not use a solid water stream as it may scatter and spread fire.

**Protection of firefighters****Protective equipment and precautions for firefighters**

In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in flame. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. Move containers from fire area if you can do it without risk. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out.

### 6. Accidental Release Measures

**Personal precautions**

Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering. Keep unnecessary personnel away. Stay upwind. Keep out of low areas.

**Methods for containment**

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewers, basements or confined areas.



**Methods for cleaning up**

Should not be released into the environment.

Large Spills: Dike far ahead of liquid spill for later disposal. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. After removal flush contaminated area thoroughly with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

Never return spills in original containers for re-use.

**7. Handling and Storage****Handling**

Do not handle or store near an open flame, heat or other sources of ignition. Use only with adequate ventilation. Wash thoroughly after handling.

**Storage**

Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a closed container away from incompatible materials.

**8. Exposure Controls / Personal Protection****Exposure limits****ACGIH****Components****CAS #****TWA****STEL****Ceiling**

Methanol

67-56-1

200 ppm

250 ppm

Not established

**OSHA****Components****CAS #****TWA****STEL****Ceiling**

Methanol

67-56-1

200 ppm

Not established

Not established

**Engineering controls**

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

**Personal protective equipment****Eye / face protection**

Do not get this material in contact with eyes. Wear chemical goggles.

**Skin protection**

Do not get this material in contact with skin. Wear appropriate chemical resistant gloves. Impervious gloves.

**Respiratory protection**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**General hygiene considerations**

Do not get this material in contact with eyes. Do not get this material in contact with skin. When using do not eat or drink. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

**9. Physical & Chemical Properties****Appearance**

Liquid.

**Color**

clear - cloudy, light yellow

**Odor**

Not available.

**Odor threshold**

Not available

**Physical state**

Liquid.





<b>Form</b>	Liquid.
<b>pH</b>	5.5 - 7.5
<b>Melting point</b>	-36.4 °F (-37.69 °C) estimated
<b>Freezing point</b>	Not available
<b>Boiling point</b>	186.8 °F (86.35 °C) estimated
<b>Flash point</b>	85 °F (29.4 °C)
<b>Evaporation rate</b>	Not available
<b>Flammability</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Specific gravity</b>	0.96 - 0.99
<b>Relative density</b>	0.9749 g/cm <sup>3</sup> estimated
<b>Solubility (water)</b>	Not available
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature</b>	590 °F (310 °C) estimated
<b>Decomposition temperature</b>	Not available
<b>VOC</b>	25 % estimated

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Risk of ignition. Stable at normal conditions.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

<b>Acute effects</b>	Acute LD50: 22512 mg/kg estimated, Rat, Oral Acute LD50: 63200 mg/kg estimated, Rat, Dermal Acute LC50: 333 mg/l/4h estimated, Rat, Inhalation
<b>Component analysis - LD50</b>	
<b>Toxicology Data - Selected LD50s and LC50s</b>	
Methanol	67-56-1 Inhalation LC50 Rat: 83.2 mg/L/4H; Inhalation LC50 Rat:64000 ppm/4H; Oral LD50 Rat:5628 mg/kg; Dermal LD50 Rabbit:15800 mg/kg
<b>Sensitization</b>	Not expected to be hazardous by OSHA criteria.
<b>Local effects</b>	Contact may irritate or burn eyes. Components of the product may be absorbed into the body through the skin.
<b>Chronic effects</b>	Hazardous by OSHA criteria. Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. Prolonged or repeated exposure may cause lung injury. Prolonged exposure may cause chronic effects.
<b>Carcinogenicity</b>	Not expected to be hazardous by OSHA criteria.





<b>Neurological effects</b>	Hazardous by OSHA criteria.
<b>Epidemiology</b>	Hazardous by OSHA criteria.
<b>Further information</b>	Symptoms may be delayed.

## 12. Ecological Information

**Ecotoxicity** Components of this product have been identified as having potential environmental concerns.

### Ecotoxicity - Freshwater Fish Species Data

Methanol	67-56-1	96 Hr LC50 Pimephales promelas: 28100 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 13200 mg/L
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### Ecotoxicity - Microtox Data

Methanol	67-56-1	5 min EC50 Photobacterium phosphoreum: 43000 mg/L; 15 min EC50 Photobacterium phosphoreum: 40000 mg/L; 25 min EC50 Photobacterium phosphoreum: 39000 mg/L
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### Environmental effects

#### Ecotoxicity - Freshwater Fish Species Data

Methanol	67-56-1	96 Hr LC50 Pimephales promelas: 28100 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 13200 mg/L
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## 13. Disposal Considerations

**Waste codes** D001: Waste Flammable material with a flash point <140 F

### U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics

Methanol	67-56-1	waste number U154 (Ignitable waste)
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**Disposal instructions** Dispose of this material and its container at hazardous or special waste collection point. Do not allow this material to drain into sewers/water supplies. If discarded, this product is considered a RCRA ignitable waste, D001. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. Dispose in accordance with all applicable regulations.

## 14. Transport Information

### Department of Transportation (DOT) Requirements

#### Basic shipping requirements:

<b>Proper shipping name</b>	Flammable liquids, n.o.s. (Methanol)
<b>Hazard class</b>	3
<b>UN number</b>	UN1993
<b>Packing group</b>	III
<b>Additional information:</b>	
<b>Packaging exceptions</b>	150
<b>ERG number</b>	128





**Department of Transportation (DOT) Requirements**

**Bulk**

**Basic shipping requirements:**

<b>Proper shipping name</b>	Flammable liquids, n.o.s. (Methanol)
<b>Hazard class</b>	3
<b>UN number</b>	UN1993
<b>Packing group</b>	III
<b>Additional information:</b>	
<b>Packaging exceptions</b>	150
<b>Packaging non bulk</b>	202
<b>Packaging bulk</b>	242
<b>ERG number</b>	128



**Canadian Transportation of Dangerous Goods (TDG) Requirements**

**Basic shipping requirements:**

<b>Proper shipping name</b>	FLAMMABLE LIQUID, TOXIC N.O.S. (Methanol)
<b>Hazard class</b>	3
<b>Subsidiary hazard class</b>	6.1
<b>UN number</b>	UN1992
<b>Packing group</b>	III
<b>Additional information:</b>	
<b>ERG number</b>	128



**IMDG**

**Basic shipping requirements:**

<b>Proper shipping name</b>	FLAMMABLE LIQUID, TOXIC N.O.S. (Methanol)
<b>Hazard class</b>	3
<b>Subsidiary hazard class</b>	6.1
<b>UN number</b>	1992
<b>Packing group</b>	III



**IATA**

**Basic shipping requirements:**

<b>Proper shipping name</b>	Flammable liquid, n.o.s. (Methanol)
<b>Hazard class</b>	3
<b>UN number</b>	1993
<b>Packing group</b>	III





## 15. Regulatory Information

### Labelling

**Contains** Methanol

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**U.S. - CERCLA/SARA - Section 313 - Emission Reporting**

Methanol 67-56-1 1.0 % de minimis concentration

**U.S. - FDA - Direct Food Additives**

Methanol 67-56-1 21 CFR 173.250

### Occupational Safety and Health Administration (OSHA)

**29 CFR 1910.1200 hazardous chemical** Yes

### CERCLA (Superfund) reportable quantity

Methanol: 5000.0000

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories**  
 Immediate Hazard - Yes  
 Delayed Hazard - No  
 Fire Hazard - Yes  
 Pressure Hazard - No  
 Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** Yes

### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of New and Existing Chemicals (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

### International regulations

**Canada - WHMIS - Ingredient Disclosure List**

Methanol 67-56-1 1 %



**State regulations**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**U.S. - Massachusetts - Right To Know List**

Methanol 67-56-1 Present

**U.S. - Minnesota - Hazardous Substance List**

Methanol 67-56-1 Skin

**U.S. - New Jersey - Right to Know Hazardous Substance List**

Methanol 67-56-1 sn 1222

**U.S. - Pennsylvania - RTK (Right to Know) List**

Methanol 67-56-1 Environmental hazard

**U.S. - Rhode Island - Hazardous Substance List**

Methanol 67-56-1 Toxic; Flammable

**U.S. - Texas - Effects Screening Levels - Long Term**

Methanol 67-56-1 200 ppb ESL; 262 µg/m3 ESL

**U.S. - Texas - Effects Screening Levels - Short Term**

Methanol 67-56-1 2000 ppb ESL; 2620 µg/m3 ESL

**16. Other Information****HMIS® ratings**

Health: 2\*  
Flammability: 3  
Physical hazard: 0

**NFPA ratings**

Health: 2  
Flammability: 3  
Instability: 0

**Prepared by**

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**Disclaimer**

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**MSDS sections updated**

Product and Company Identification: Product and Company Identification  
Regulatory Information: United States

