



# Safety Data Sheet

## Extendrill™

- Sensitization, skin, Cat. 1A

### 2.2 GHS label elements, including precautionary statements

#### Pictograms



1. Flame; 2. Corrosion; 3. Exclamation mark

#### Signal word

**Danger**

#### Hazard statement(s)

H226

Flammable liquid and vapor

H317

May cause an allergic skin reaction

H318

Causes serious eye damage

#### Precautionary statement(s)

P210

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233

Keep container tightly closed.

P240

Ground/bond container and receiving equipment.

P241

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

P242

Use only non-sparking tools.

P243

Take precautionary measures against static discharge.

P261

Avoid breathing dust/fume/gas/mist/vapors/spray.

P272

Contaminated work clothing must not be allowed out of the workplace.

P280

Wear eye protection/face protection/protective gloves.

P302+P352

IF ON SKIN: Wash with plenty of water.

P303+P361+P353

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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/doctor.

P321

Specific treatment (see section 4 - First-aid measures on safety data sheet).

P333+P313

If skin irritation or rash occurs: Get medical advice/attention.

P363

Wash contaminated clothing before reuse.

P370+P378

In case of fire: Use suitable media to extinguish.

P403+P235

Store in a well-ventilated place. Keep cool.

P501

Dispose of contents/container in accordance with local/regional/national regulations.

### 2.3 Other hazards which do not result in classification

None known.

#### Statement regarding ingredients of unknown toxicity

Not known.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Hazardous components**

**1. Proprietary Amine**

Concentration  $\geq 3 - \leq 7$  % (weight), Proprietary\*

- Eye damage/irritation, Cat. 1

H318 Causes serious eye damage

**2. Methanol**

Concentration  $\geq 3 - \leq 7$  % (weight)

EC no. 200-659-6

CAS no. 67-56-1

Index no. 603-001-00-X

- Flammable liquids, Cat. 2
- Acute toxicity, inhalation, Cat. 3
- Acute toxicity, dermal, Cat. 3
- Acute toxicity, oral, Cat. 3
- Specific target organ toxicity (single exposure), Cat. 1

H225 Highly flammable liquid and vapor  
H301 Toxic if swallowed  
H311 Toxic in contact with skin  
H331 Toxic if inhaled  
H370 Causes damage to organs [organs, route]  
SCLs/M-factors/ATEs \*  
STOT SE 1; H370:  $C \geq 10\%$   
STOT SE 2; H371:  $3\% \leq C < 10\%$

**Trade secret statement (OSHA 1910.1200(i))**

\* Proprietary compound. Considered to be a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

## **SECTION 4: First-aid measures**

### **4.1 Description of necessary first-aid measures**

General advice	Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.
If inhaled	Move to fresh air. Call a physician if symptoms develop or persist.
In case of skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
In case of eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
If swallowed	Rinse mouth. Get medical attention if symptoms occur.

### **4.2 Most important symptoms/effects, acute and delayed**

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause an allergic skin reaction. Dermatitis. Rash. Methanol is irritating to the eyes, the skin, and the respiratory tract. It also strips the natural oils and fat from the skin, causing skin to become dry and cracked. It can cause permanent damage to the optic nerve and central and peripheral nervous system with just a single acute exposure. Other signs and symptoms of methanol poisoning include headache, dizziness, vomiting, severe abdominal pain, back pain, difficulty breathing, cold extremities, lethargy, and lack of coordination. High exposures may result in blindness, organ failure and death.

### **4.3 Indication of immediate medical attention and special treatment needed, if necessary**

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

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## **SECTION 5: Fire-fighting measures**

### **5.1 Suitable extinguishing media**

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>). Avoid use of water jet as this will spread the fire.

### **5.2 Specific hazards arising from the chemical**

Vapours may form explosive mixtures with air. Vapours may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

### **5.3 Special protective actions for fire-fighters**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

#### **Further information**

Fire fighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

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General fire hazards

Flammable liquid and vapour.

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### SECTION 6: Accidental release measures

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

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

#### 6.2 Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

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

Use water spray to reduce vapours or divert vapour cloud drift. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. The product is immiscible with water and will spread on the water surface.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not get this material in contact with eyes. Avoid breathing mist or vapour. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

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

Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

#### **1. Methanol (CAS: 67-56-1 EC: 200-659-6)**

PEL-TWA (Inhalation): 200 ppm, 260 mg/m<sup>3</sup> (OSHA)

Headache. Nausea. Dizziness. Eye damage Substances for which there is a Biological Exposure Index or Indices  
Danger of cutaneous absorption

PEL-ST (Inhalation): 250 ppm (NIOSH)

### **8.2 Appropriate engineering controls**

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station with plenty of water.

### **8.3 Individual protection measures, such as personal protective equipment (PPE)**

#### **Pictograms**



#### **Eye/face protection**

Chemical goggles, full-face shield, or a full-face respirator is to be worn at all times when product is handled.

#### **Skin protection**

Wear appropriate chemical resistant gloves.

#### **Other**

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. Use of impervious boots is recommended.

#### **Body protection**

General Hygiene Considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

#### **Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with organic vapour cartridge and full facepiece. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

## **SECTION 9: Physical and chemical properties**

### **Basic physical and chemical properties**

Physical state	Liquid
Appearance	Viscous liquid
Color	Clear blue
Odor	Not available.
Odor threshold	Not available.
Melting point/freezing point	< 50 deg F (<10 deg C)
Boiling point or initial boiling point and boiling range	Not available.
Flammability	Not applicable.
Lower and upper explosion limit/flammability limit	Not available.
Flash point	112 deg F (44.5 deg C) Pensky-Martens Closed Cup
Explosive properties	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Oxidizing properties	Not available.
pH	Not available.
Kinematic viscosity	Not available.
Solubility	Insoluble
Partition coefficient n-octanol/water (log value)	Not available.
Vapor pressure	Not available.
Evaporation rate	Not available.
Density and/or relative density	0.90 - 0.92
Relative vapor density	Not available.
Particle characteristics	Not applicable.

### **Further safety characteristics (supplemental)**

Pour point 50 deg F (10 deg C)

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## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

The product is stable and non-reactive under normal conditions of use, storage and transport.

### **10.2 Chemical stability**

Material is stable under normal conditions

### **10.3 Possibility of hazardous reactions**

Hazardous polymerization does not occur.

### **10.4 Conditions to avoid**

Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

### **10.5 Incompatible materials**

Strong oxidizing agents.

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Methanol: Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids

### **10.6 Hazardous decomposition products**

No hazardous decomposition products are known.

## **SECTION 11: Toxicological information**

### **Information on toxicological effects**

#### **Acute toxicity**

Symptoms may be delayed.

Methanol is toxic following ingestion, inhalation or dermal exposure. Exposure may initially result in CNS depression, followed by an asymptomatic latent period (commonly 8-36 hours). This is followed by physical symptoms of poisoning, such as headache, nausea, vomiting, loss of equilibrium, severe abdominal pain, and difficulty in breathing. These symptoms can be followed by coma and death with substantial exposures. The minimal lethal dose following ingestion is considered to be in the range of 300–1,000 mg/kg. Methanol exposure also results in vision effects that range from excessive sensitivity to light, to misty or blurred vision, to dramatically reduced visual acuity and total blindness. Ingestion of as little as 4–10 mL of methanol in adults may cause permanent damage.

Methyl alcohol (CAS 67-56-1)

Acute

Dermal point estimate - 300 mg/kg

Inhalation vapour point estimate - 3 mg/L

Oral point estimate - 100 mg/kg

Point estimate = Converted acute toxicity point estimate

#### **Skin corrosion/irritation**

May cause an allergic skin reaction. Prolonged skin contact may cause temporary irritation.

#### **Serious eye damage/irritation**

Causes serious eye damage.

#### **Respiratory or skin sensitization**

Prolonged inhalation may be harmful.

Not a respiratory sensitizer.

#### **Germ cell mutagenicity**

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

#### **Carcinogenicity**

Not classifiable as to carcinogenicity to humans.

ACGIH Carcinogens

Not listed.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogen

Not listed.

#### **Reproductive toxicity**

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This product is not expected to cause reproductive or developmental effects. Available data on mice and rats indicates that inhalation or oral exposure to methanol at high doses is a developmental hazard (resulting in blood methanol concentrations greater than 10 mg/L). However, since mice and rats metabolize methanol differently than humans, there is uncertainty as to the predictive value of these studies to human health effects.

### Specific target organ toxicity (STOT) - single exposure

Not classified.

### Specific target organ toxicity (STOT) - repeated exposure

Not classified.

### Aspiration hazard

Not an aspiration hazard.

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## SECTION 12: Ecological information

### Toxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Methyl alcohol (CAS 67-56-1)

Aquatic

Crustacea - EC50 - Water flea (*Daphnia magna*) - >10000 mg/L, 48 hr

Fish - LC50 - Fathead minnow (*Pimephales promelas*) >100 mg/L, 96 hr

### Persistence and degradability

No data is available on the degradability of any ingredients in the mixture.

### Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Methyl alcohol = -0.77

### Mobility in soil

No data available.

### Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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## SECTION 13: Disposal considerations

### Disposal methods

#### Product disposal

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Packaging disposal

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

#### Waste treatment

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Product disposal).

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Hazardous waste code

The waste code should be assigned in discussion with the user, the producer and the waste disposal company.

### Sewage disposal

It is not recommended that this product be disposed of in a public sewage system.

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## SECTION 14: Transport information

### DOT (US)

UN Number: UN1993

Class: 3

Packing Group: III

Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (Methyl alcohol)

Reportable quantity (RQ):

Marine pollutant: No

### IMDG

UN Number: UN1993

Class: 3

Packing Group: III

EMS Number: F-E, S-E

Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (Methyl alcohol)

### IATA

UN Number: UN1993

Class: 3

Packing Group: III

Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (Methyl alcohol)

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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

#### Massachusetts Toxic Use Reduction Act (TURA) list

Chemical name: Methanol

CAS number: 67-56-1

TRI listing: X-reportable; CERCLA listing: X-reportable; TURA-only listing: no; de minimis concentration threshold: 1 percent.

#### New Jersey Right To Know Components

Common name: METHYL ALCOHOL

CAS number: 67-56-1

Listing note: TE-teratogen; F3-flammable 3rd deg.

#### Pennsylvania Right To Know Components

Chemical name: METHANOL

CAS number: 67-56-1

Listing note: E-environmental hazard.

#### California Proposition 65 Chemicals List

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

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### Canadian Domestic Substances List (DSL)

Chemical name: Methanol  
CAS number: 67-56-1

### US EPA TSCA public inventory

Chemical name: Methanol  
CAS number: 67-56-1

### Massachusetts Right To Know Components (105 CMR 670)

Chemical name: METHANOL  
CAS number: 67-56-1  
Asterisk: no; Refs: 2,4,5,6 F8 F9

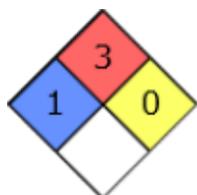
### California Prop. 65 components

Chemical name: Methanol  
CAS number: 67-56-1  
03/16/2012 - Developmental toxicity

### HMIS Rating

Extendrill™	
HEALTH	1
FLAMMABILITY	3
PHYSICAL HAZARD	1
PERSONAL PROTECTION	

### NFPA Rating



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## SECTION 16: Other information

### 16.1 Further information/disclaimer

The information contained herein is based on data available to us, and is believed to be true and accurate. However, no guarantee or warranty is provided, expressed or implied, by the company or its subsidiaries regarding accuracy of the information, the hazards connected with the use of the material, or the results to be obtained from the use thereof. Since the use of this product is within the exclusive control of the user, we do not assume any responsibility and expressly disclaim any liability for any use of this product. It is the user's responsibility to determine the conditions of safe use, storage, and disposal of the product. Compliance with all applicable federal, state, and local regulations remains the responsibility of the user.