



SAFETY DATA SHEET

LiftGuard

Section: 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Liquid Cobble Commander
Other means of identification : None
Recommended use : Drilling Fluid Additive
Restrictions on use : None known
Company : Drillchem Drilling Solutions, LLC
P.O. Box 132107
Spring, TX 77393

Emergency telephone : (800) 424-9300 (24 Hours) CHEMTREC
number
Issuing date : 06/19/2019

Section: 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Not classified
Skin irritation : Category 2
Eye irritation : Category 2B
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
Specific target organ toxicity : Not classified
- single exposure
Aspiration hazard : Not classified

GHS Label element

Hazard pictograms :



Signal Word : Warning

Hazard Statements : Causes skin irritation. Causes eye irritation.

Precautionary Statements :

Prevention: Wash thoroughly after handling. Wear eye protection/face protection. Wear gloves.

Response: If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

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Storage: Store away from incompatible materials.

Disposal: Dispose of waste and residues in accordance with local authority requirements.

Other hazards : None

Section : 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Chemical name	Common name and synonyms	CAS number	%
SODIUM CARBONATE, ANHYDROUS		497-19-8	10-15
CALCIUM HYDROXIDE, HYDRATED LIME		1305-62-0	7-15
MINERAL OIL		8042-47-5	50 - 60

* All other components not listed are exempt or below reportable quantities.

Section: 4. FIRST AID MEASURES

- 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 if irritation develops and persists.
- In case of skin contact : Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
- If swallowed : Rinse mouth. Get medical attention if symptoms occur.
- If inhaled : Move to fresh air. Call a physician if symptoms develop or persist.
- Notes to physician : Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
- Most important symptoms and effects, both acute and delayed : Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Skin irritation. May cause redness and pain.

Section: 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).
- Unsuitable extinguishing media : Do not use water jet as an extinguisher, as this will spread the fire.
- Specific hazards during firefighting : No unusual fire or explosion hazards noted.

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- Hazardous combustion products : No unusual fire or explosion hazards noted.
- Special protective equipment for firefighters : Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
- Specific extinguishing methods : Use standard firefighting procedures and consider the hazards of other involved materials.

Section: 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
- Environmental precautions : Avoid discharge into drains, water courses or onto the ground.
- Methods and materials for containment and cleaning up : Use water spray to reduce vapors or divert vapor cloud drift.
- Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.
- Small Spills: 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.

Section: 7. HANDLING AND STORAGE

- Advice on safe handling : Avoid contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
- Conditions for safe storage : Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).
- Suitable material : No data available
- Unsuitable material : No data available

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Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	Type	Value	Form
MINERAL OIL (CAS 8042-47-5)	PEL	5 mg/m ³	Mist

US ACGIH Threshold Limit Values

Components	Type	Value	Form
MINERAL OIL (CAS 8042-47-5)	TWA	5 mg/m ³	Inhalable fraction

US NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
MINERAL OIL (CAS 8042-47-5)	STEL	10 mg/m ³	Mist
	TWA	5 mg/m ³	Mist

Engineering measures : Good general ventilation 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.

Personal protective equipment

Eye protection : Wear safety glasses with side shields (or goggles).

Hand protection : Wear appropriate chemical resistant gloves.

Skin protection : Wear suitable protective clothing.
Wear appropriate thermal protective clothing, when necessary.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Hygiene measures : 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.

Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid with slurry

Colour : White to Off-White

Odor : Mild

Flash point : 200.0°F (93.3°C) estimated

pH : 6 - 8

Odour Threshold : no data available

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Melting point/freezing point	: no data available
Initial boiling point and boiling range	: >400°F (<204.44°C)
Evaporation rate	: no data available
Flammability (solid, gas)	: no data available
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: 0.00001 hPa estimated
Relative vapour density	: no data available
Relative density	: no data available
Density	: 1.03 g/cm ³ estimated
Water solubility	: no data available
Solubility in other solvents	: no data available
Partition coefficient: n-octanol/water	: no data available
Auto-ignition temperature	: 500°F (260°C) estimated
Thermal decomposition temperature	: no data available
Viscosity, dynamic	: no data available
Viscosity, kinematic	: no data available
Molecular weight	: no data available
Specific gravity	: 1.03

Section: 10. STABILITY AND REACTIVITY

Chemical stability	: The product is stable and non-reactive under normal conditions of use, storage and transport.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: Contact with incompatible materials.
Incompatible materials	: Acids. Chlorine. Maleic anhydride. Nitroethane. Nitromethane. Nitroparaffins. Nitropropane. Phosphorus.
Hazardous decomposition products	: No hazardous decomposition products are known

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Section: 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact, Ingestion

Potential Health Effects

Eyes : Causes serious eye irritation.
Skin : Causes skin contact.
Ingestion : May be harmful if swallowed.
Inhalation : Prolonged inhalation may be harmful.

Toxicity

Product

Acute Toxicity : May cause respiratory irritation. May cause an allergic skin reaction. Irritation to eyes.

Components	Species	Test Results
CALCIUM HYDROXIDE, HYDRATED LIME (CAS 1305-62-0)		
Acute		
Oral		
LD50	Rat	7340 mg/kg
SODIUM CARBONATE, ANHYDROUS (CAS 497-19-8)		
Acute		
Inhalation		
LC50	Rat	2.3mg/l, 2 hours
Oral		
LD50	Rat	4090 mg/kg

Skin corrosion/irritation : Causes skin irritation. Irritation to eyes.
Serious eye damage/eye irritation : Causes eye irritation.
Respiratory or skin sensitization : Not a respiratory sensitizer. Causes skin irritation.

Carcinogenicity

IARC

Not listed.

OSHA

Not regulated.

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NTP

Not listed.

- Reproductive effects : This product is not expected to cause reproductive or developmental effects.
- Germ cell mutagenicity : Not classified No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
- Teratogenicity : Not classified
- STOT - single exposure : Not classified
- STOT - repeated exposure : Not classified
- Aspiration toxicity : Not an aspiration hazard.
- Chronic effects : Prolonged inhalation may be harmful.

Section: 12. ECOLOGICAL INFORMATION

Ecotoxicity

- Environmental Effects : 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.

Persistence and degradability no data available

Mobility: no data available

Bioaccumulative potential: no data available

Other information: The product contains volatile organic compounds which have a photochemical ozone creation potential

Section: 13. DISPOSAL CONSIDERATIONS

- Disposal methods : Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose in accordance with all applicable regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
- Contaminated packaging : 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.

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Section: 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT):

Not regulated as dangerous goods.

Air transport (IATA)

Not regulated as dangerous goods

Sea transport (IMDG/IMO)

Not regulated as dangerous goods

Section: 15. REGULATORY INFORMATION

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA list : Not regulated.

EPCRA - Emergency Planning and Community Right-to-Know Act: Not listed.

CERCLA Reportable Quantity: Listed.

SARA 304 Extremely Hazardous Substances Reportable Quantity: Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910. 1001-1050): Not regulated.

US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpart D):
Not regulated.

1986 (SARA) Hazard categories Immediate Hazard -
No

SARA 302 Extremely hazardous substance: Not listed.

SARA 311/312 Hazardous: Listed.

SARA 313 (TRI reporting): Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not Listed.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not listed.

Safe Drinking Water Act: Not regulated.

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US STATE REGULATION:

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100):

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

County or Region	Inventory Name	On Inv.
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canda	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (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
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

Section: 16. OTHER INFORMATION

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.