



Anchorlube

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard (HCS 2024) and the Hazardous Products Regulation (WHMIS 2015 rev 2022)
Revision date: 10/8/2025 Supersedes: 1/17/2022

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : Anchorlube
Product code : Anchorlube

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Cooling fluid, Lubricant, Metal Working Fluids
Restrictions on use : None known

1.4. Supplier's details

Anchor Lubricants LLC
777 Canterbury Road
Westlake, OH 44145
USA
T (440) 871-1660 - F (440) 871-1661
[mailto: sales@anchorlube.com](mailto:sales@anchorlube.com)

1.5. Emergency phone number

Emergency number : (440) 871-1660

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Skin sensitization, Category 1 H317 May cause an allergic skin reaction.
Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning
Hazard statements (GHS US) : H317 - May cause an allergic skin reaction
Precautionary statements (GHS US) : P261 - Avoid breathing vapors.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective clothing, protective gloves.
P302+P352 - If on skin: Wash with plenty of water.
P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

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2.3. Hazards associated with known or reasonably anticipated uses

None known

2.4. Hazards not otherwise classified

Other hazards which do not result in classification : None known.

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Mica	CAS-No.: 12001-26-2	1 – 5
Calcium Carbonate	CAS-No.: 1317-65-3	1 – 5
Silicon Dioxide, Quartz	CAS-No.: 14808-60-7	< 1
2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol, 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine	CAS-No.: 4719-04-4	< 1

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Comments : The Crystalline Silica is inextricably bound in the chemical matrix of this product and no exposure can occur.

Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms occur.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

First-aid measures after eye contact : Rinse eyes with water as a precaution. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : No first aid should be needed. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects : May cause an allergic skin reaction.

Inhalation : None under normal use.

Skin : May cause an allergic skin reaction. May cause slight temporary irritation.

Eyes : No adverse effects expected under normal conditions of use. May cause minor eye irritation.

Ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

Chronic symptoms : None known.

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

Other medical advice or treatment : Not required. Treat symptomatically.

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SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media : None.

5.2. Specific hazards arising from the chemical

Fire hazard : This product is not classified as flammable or combustible.
Explosion hazard : Product is not explosive.
Hazardous decomposition products in case of fire : Carbon oxides (CO, CO₂). Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ventilate area. Do not breathe vapors. Avoid contact with skin, eyes and clothing. Caution : this product can cause the floor to be slippery. Do not touch or walk on the spilled product. Keep unnecessary and unprotected personnel away from the spillage.

For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid breathing vapors. Keep unnecessary and unprotected personnel away from the spillage.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Methods and materials for containment and cleaning up

For containment : Dike and contain spill.
Methods for cleaning up : Take up liquid spill into absorbent material. Shovel into suitable and closed container for disposal. Thoroughly clean surrounding area. Notify authorities if product enters sewers or public waters.
Other information : Dispose of materials or solid residues at an authorized site.

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid breathing vapors. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Store at room temperature. Store away from. Extremely high or low temperatures.

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Incompatible materials : Strong oxidizers.
Specific end uses : Metal Working Fluids.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Calcium Carbonate (1317-65-3)

USA - OSHA - Occupational Exposure Limits

Local name	Calcium Carbonate (Limestone; Marble)
OSHA PEL (TWA)	15 mg/m ³ (Total dust) 5 mg/m ³ (Respirable fraction)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

Silicon Dioxide, Quartz (14808-60-7)

USA - ACGIH - Occupational Exposure Limits

Local name	Silica crystalline - quartz
ACGIH® TLV® TWA	0.025 mg/m ³ (R - Respirable particulate matter)
Remark (ACGIH®)	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
Regulatory reference	ACGIH 2024

USA - OSHA - Occupational Exposure Limits

Local name	Quartz (Respirable) (Silica: Crystalline)
OSHA PEL (TWA)	0.05 mg/m ³ respirable dust
Remark (OSHA)	Table Z-3. For OSHA PEL (TWA): Use formulas: (250 / (%SiO ₂ +5)) for mppcf and (10 mg/m ³ / (%SiO ₂ +2)) for mg/m ³ . CAS No. source: eCFR Table Z-1.
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts

Mica (12001-26-2)

USA - ACGIH - Occupational Exposure Limits

Local name	Mica
ACGIH® TLV® TWA	0.1 mg/m ³ (R - Respirable particulate matter)
Remark (ACGIH®)	TLV® Basis: Pneumoconiosis
Regulatory reference	ACGIH 2024

USA - OSHA - Occupational Exposure Limits

Local name	Mica (Silicates (less than 1% crystalline silica))
OSHA PEL (TWA)	20 mppcf
Remark (OSHA)	Table Z-3. CAS No. source: eCFR Table Z-1.
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

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8.3. Individual protection measures, such as personal protective equipment

Hand protection:

Wear impervious gloves.

Eye protection:

Avoid contact with eyes. Recommended. Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

Thermal hazard protection:

Not applicable.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Green. Paste. highly viscous.
Color	: Green
Odor	: Slight Almond
Odor threshold	: Not determined
pH	: 6 – 6.5
Melting point	: No data available
Freezing point	: 0 °C
Boiling point	: 107.2 °C
Flash point	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: Not determined
Relative vapor density at 20°C	: No data available
Relative density	: ≈ 1.12
Density	: 9.33 lb/gal
Solubility	: Dispersible.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: Not determined
Explosion limits	: No data available
Explosive properties	: Product is not explosive.
Oxidizing properties	: Not oxidising.
Particle characteristics	: Particle characteristics : Not applicable

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

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

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10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Silicon Dioxide, Quartz (14808-60-7)

LD50 oral rat	> 22500 mg/kg
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2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol, 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine (4719-04-4)

LD50 oral rat	1000 mg/kg
LD50 dermal rat	> 4000 mg/kg
LC50 Inhalation - Rat	0.371 mg/l/4h
LC50 Inhalation - Rat (Dust/Mist)	0.371 mg/l/4h

Skin corrosion/irritation : Not classified
pH: 6 – 6.5

2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol, 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine (4719-04-4)

pH	10.3 Temp.: 20 °C Concentration: 0,2 vol%
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Serious eye damage/irritation : Not classified
pH: 6 – 6.5

2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol, 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine (4719-04-4)

pH	10.3 Temp.: 20 °C Concentration: 0,2 vol%
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Respiratory or skin sensitization : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified (The Crystalline Silica is inextricably bound in the chemical matrix of this product and no exposure can occur.).

Silicon Dioxide, Quartz (14808-60-7)

IARC group	1 - Carcinogenic to humans
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Silicon Dioxide, Quartz (14808-60-7)

National Toxicity Program (NTP) Status	Known Human Carcinogens
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Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

Silicon Dioxide, Quartz (14808-60-7)

STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
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2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol, 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine (4719-04-4)

LOAEL (oral, rat, 90 days)	285.2 – 338.6 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
LOAEL (dermal, rat/rabbit, 90 days)	> 250 mg/kg body weight Animal: rat, Guideline: EPA OPPTS 870.3250 (Subchronic Dermal Toxicity 90 Days)
NOAEL (oral, rat, 90 days)	64.1 – 91 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	> 250 mg/kg body weight Animal: rat, Guideline: EPA OPPTS 870.3250 (Subchronic Dermal Toxicity 90 Days)
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard	: Not classified
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Viscosity, kinematic	Not determined
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Symptoms/effects	: May cause an allergic skin reaction.
Inhalation	: None under normal use.
Skin	: May cause an allergic skin reaction. May cause slight temporary irritation.
Eyes	: No adverse effects expected under normal conditions of use. May cause minor eye irritation.
Ingestion	: Not expected to present a significant ingestion hazard under anticipated conditions of normal use.
Chronic symptoms	: None known.

SECTION 12 Ecological information

12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute)	: Not applicable.
Hazardous to the aquatic environment, long-term (chronic)	: Not applicable.

Silicon Dioxide, Quartz (14808-60-7)

LC50 - Fish [1]	> 10000 mg/l
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2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol, 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine (4719-04-4)

LC50 - Fish [1]	21.7 mg/l Danio rerio (Zebrafish)
EC50 - Crustacea [1]	34.1 mg/l daphnia
EC50 72h - Algae [1]	6.66 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
ErC50 algae	21 mg/l

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12.2. Persistence and degradability

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Persistence and degradability	Inherently biodegradable.
Calcium Carbonate	
Persistence and degradability	Biodegradation is not applicable to inorganic compounds.
Silicon Dioxide, Quartz (14808-60-7)	
Persistence and degradability	Biodegradation is not applicable to inorganic compounds.
Mica (12001-26-2)	
Persistence and degradability	Biodegradation is not applicable to inorganic compounds.
2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol, 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine (4719-04-4)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

Silicon Dioxide, Quartz (14808-60-7)	
Bioaccumulative potential	Not potentially bioaccumulable.
2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol, 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine (4719-04-4)	
Partition coefficient n-octanol/water (Log Kow)	-2

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: None known.
Fluorinated greenhouse gases	: No

SECTION 13 Disposal considerations

Regional waste regulation	: Dispose in a safe manner in accordance with local/national regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
Not regulated	Not applicable	Not regulated	Not regulated
14.2. Proper Shipping Name			
Not regulated	Not applicable	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not applicable	Not regulated	Not regulated

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DOT	TDG	IMDG	IATA
14.4. Packing group			
Not regulated	Not applicable	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not applicable	Not regulated	Not regulated
No supplementary information available			

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

Not regulated

TDG

Not applicable

IMDG

Not regulated

IATA

Not regulated

SECTION 15 Regulatory information

15.1. Federal regulations

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SARA Section 311/312 Hazard Classes

Refer to Section 2 for OSHA Hazard Classification.

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Mica (12001-26-2)

SARA Section 311/312 Hazard Classes

Refer to Section 2 for OSHA Hazard Classification.

15.2. International regulations

CANADA

Calcium Carbonate

Listed on the Canadian NDSL (Non-Domestic Substances List)

Silicon Dioxide, Quartz (14808-60-7)

Listed on the Canadian DSL (Domestic Substances List)

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Mica (12001-26-2)

Listed on the Canadian DSL (Domestic Substances List)

2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol, 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine (4719-04-4)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

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All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory

Listed on the Canadian DSL (Domestic Substances List)

Listed on the Canadian NDSL (Non-Domestic Substances List)

Silicon Dioxide, Quartz (14808-60-7)

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Mica (12001-26-2)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol, 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine (4719-04-4)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm. The Crystalline Silica is inextricably bound in the chemical matrix of this product and no exposure can occur.

Component	State or local regulations
Calcium Carbonate(1317-65-3)	U.S. - New Jersey - Right to Know Hazardous Substance List
Silicon Dioxide, Quartz(14808-60-7)	U.S. - New Jersey - Right to Know Hazardous Substance List
Mica(12001-26-2)	U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16 Other information

According to 29CFR 1910.1200 OSHA Hazard Communication Standard (HCS 2024) and the Hazardous Products Regulation (WHMIS 2015 rev 2022)

Revision date : 10/8/2025

Full text of hazard classes and H-statements

H317	May cause an allergic skin reaction
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Indication of changes:
New version. Change in the mixture classification.

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.