

Revision Date 06-May-2024

Revision Number 2.01

1. IDENTIFICATION

Product identifier

Product Name ALKONAT CE 200

Other means of identification Not available

Recommended use of the chemical and restrictions on use

Recommended Use Industrial use

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address

OXITENO USA, LLC
3200 Southwest Freeway
Suite 1200
Houston, TX 77027

Emergency telephone number

Company Phone Number 1-888-674-9009

Emergency Telephone CHEMTREC – United States
Toll Free : 1-800-424-9300
CHEMTREC – Global: +1-703-527-3887

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1

Labeling elements

Danger

Harmful if swallowed.
Causes skin irritation.
Causes serious eye damage.

**Precautionary Statements - Prevention**

Wear protective gloves/eye protection/face protection.
Wash face, hands and any exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.

Precautionary statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
IF ON SKIN: Wash with plenty of water and soap.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
Rinse mouth.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

Other hazards which do not result in classification

Toxic to aquatic life.

Hazards not otherwise classified (HNOC)

Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical name	CAS No	Weight-%	Trade secret
Alcohols, C16-18, ethoxylated	68439-49-6	60 - 100	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures**General advice**

Show this safety data sheet to the doctor in attendance.

Inhalation

Remove to fresh air.
Get medical attention immediately if symptoms occur.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Keep eye wide open while rinsing.

	Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area.
Skin contact	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
Ingestion	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Symptoms	Burning sensation.
-----------------	--------------------

Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
---------------------------	------------------------

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical, CO2, water spray or alcohol-resistant foam.
Unsuitable extinguishing media	CAUTION: Use of water spray when fighting fire may be inefficient.
Specific hazards arising from the chemical	Not flammable. Dusts or fumes may form explosive mixtures in air.
Hazardous combustion products	Carbon oxides.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required.
Other Information	Refer to protective measures listed in Sections 7 and 8.
For emergency responders	Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions	Prevent further leakage or spillage if safe to do so.
----------------------------------	---

Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Pick up and transfer to properly labeled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.
Avoid contact with skin, eyes or clothing.
Do not eat, drink or smoke when using this product.
Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.
Keep out of the reach of children.

Packaging materials High density polyethylene.
low density polyethylene.
stainless steel 304/307.
stainless steel 316.

Incompatible materials Strong acids.
Strong bases.
Strong oxidizing agents.
Combustible material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection If splashes are likely to occur, wear safety glasses with side-shields.

Hand protection Wear suitable gloves. Impervious gloves. PVC (polyvinyl chloride). Rubber gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing. PVC apron. Protective shoes or boots.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Wear suitable gloves and eye/face protection.
Do not eat, drink or smoke when using this product.
Avoid contact with skin, eyes or clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Solid @25 °C / 77 °F
Odor	No information available
Odor threshold	No information available

Property	Values	Remarks • Method
pH	6.0 - 8.0	1% w/w in water @25 °C / 77 °F
Melting point / freezing point	39 °C / 102 °F	
Boiling point or initial boiling point and boiling range	> 275 °C / 527 °F	
Flash point	275 °C / 527 °F	Cleveland Open Cup
Evaporation rate	No data available	
Flammability	No data available	
Flammability Limit in Air		
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapor pressure	No data available	
Relative vapor density	No data available	
Density and/or relative density	1.090 g/cm ³	@25 °C / 77 °F
Water solubility	Soluble in water	
Solubility in other solvents	No data available	
Partition Coefficient (n-octanol/water)	No data available	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	No data available	
Particle characteristics	No information available	
Other Information		
Molecular weight	No information available	
VOC Content (%)	No information available	
Bulk density	No information available	

10. STABILITY AND REACTIVITY

Reactivity	No hazardous reactivity is expected.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Extremes of temperature and direct sunlight. Keep away from open flames, hot surfaces and sources of ignition. Exposure to air or moisture over prolonged periods.
Incompatible materials	Strong acids. Strong bases. Strong oxidizing agents. Combustible material.
Hazardous decomposition products	Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information**

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. (based on components).
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye damage. (based on components).
Skin contact	Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if swallowed. (based on components).

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness. May cause redness and tearing of the eyes.

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Acute toxicity**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Alcohols, C16-18, ethoxylated 68439-49-6	1260 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-

Skin corrosion/irritation Classification based on data available for ingredients.
Irritating to skin.
Mild to moderate irritant (rabbit, 500 µL/24h).

Component Information	
Alcohols, C16-18, ethoxylated (68439-49-6)	
Species	Rabbit
Exposure route	Dermal
Effective dose	500 microliters
Exposure time	24 hours
Results	slight to moderate irritant

Serious eye damage/eye irritation Risk of serious damage to eyes.
Moderate to severe irritant (rabbit, 100 µL/24h).

Component Information	
Alcohols, C16-18, ethoxylated (68439-49-6)	
Species	Rabbit
Exposure route	Eye
Effective dose	100 µL
Exposure time	24 hours
Results	In contact with eyes: causes moderate to severe irritation

Respiratory or skin sensitization No classification is proposed, based on conclusive negative data.
Ethoxylated alcohols with similar structure are not considered to be skin sensitizers (guinea

pig).

Component Information	
Alcohols, C16-18, ethoxylated (68439-49-6)	
Results	Ethoxylated alcohols of similar structure are not considered skin sensitizers for guinea pigs.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.
The molecular structure of ethoxylated alcohols are not of concern for potential genotoxicity and/or mutagenicity.

Component Information	
Alcohols, C16-18, ethoxylated (68439-49-6)	
Results	The molecular structure of ethoxylated alcohols is not of concern regarding genotoxicity and/or mutagenicity.

Carcinogenicity

Based on available data, the classification criteria are not met.
Ethoxylated alcohols are not carcinogenic (oral and dermal tests).
The product does not contain any component present at concentration greater than or equal to 0.1% listed as carcinogen/possibly carcinogen for NTP, IARC and OSHA.

Reproductive toxicity

Based on available data, the classification criteria are not met.
Ethoxylated alcohols not cause reproductive toxicity when applied orally or dermally.
NOAEL, oral, rat: > 250 mg/kg.

Component Information	
Alcohols, C16-18, ethoxylated (68439-49-6)	
Results	Ethoxylated alcohols have no toxicity to reproduction when applied orally and dermally. NOAEL, oral, rat: > 250 mg/kg.

STOT - single exposure

No information available.

STOT - repeated exposure

Based on available data, the classification criteria are not met.
NOAEL, 90d, oral, rat: 100 mg/kg.

Component Information	
Alcohols, C16-18, ethoxylated (68439-49-6)	
Results	NOAEL, 90d, oral, rat: 100 mg/kg (OECD 408).

Aspiration hazard

No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life

Chemical name	Algae/aquatic plants	Fish	Crustacea
Alcohols, C16-18, ethoxylated 68439-49-6	-	CL50, 96h, Brachydanio rerio: 2.9 mg/L.	CE50, 48h, Daphnia magna: 18 mg/L.

Persistence and degradability

Readily biodegradable.

65-75% ThOD, 28 d..

Alcohols, C16-18, ethoxylated (68439-49-6)			
Method	Exposure time	Value	Results
	28 days	65 - 75% ThOD	Readily biodegradable

Bioaccumulative potential	It is not expected to bioaccumulate in the environment.
Mobility in soil	No information available.
Other adverse effects	No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.

14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG</u>	Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	All components contained in this product are listed on the Active TSCA inventory or are Exempt
DSL	Listed or exempt
NDSL	Not Listed
Global Inventories	Contact supplier for inventory compliance status

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

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.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

1,4-Dioxane is present below 0.1%.

Ethylene oxide is present below 0.1%.

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	TPQ
1,4-Dioxane 123-91-1	100 lb	-	-
Ethylene oxide 75-21-8	10 lb	10 lb	1000 lb

US State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals.

Chemical name	California Proposition 65
1,4-Dioxane - 123-91-1	Carcinogen
Ethylene oxide - 75-21-8	Carcinogen Developmental toxicity Female reproductive toxicit Male reproductive toxicit

U.S. State Right-to-Know Regulations

This product may contain substances regulated by state right-to-know regulations.

Chemical name	New Jersey	Massachusetts	Pennsylvania
Sodium borohydride 16940-66-2	X	-	-
1,4-Dioxane 123-91-1	X	X	X
Ethylene oxide 75-21-8	X	X	X

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA	Health hazards 3	Flammability 1	Instability 0	Special hazards -
HMIS	Health hazards 3	Flammability 1	Physical hazards 0	Personal protection X

Revision Date 06-May-2024

Revision Note No information available.

Disclaimer

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.

End of Safety Data Sheet