



SAFETY DATA SHEET

Revision Date 17-Sep-2020

Revision Number 1

1. IDENTIFICATION

Product identifier

Product Name ALKONAT CE 250

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 (346) 718-6200

Emergency Telephone Chemtrec 1-800-424-9300

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

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

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 Get medical attention immediately if symptoms occur.
 Remove to fresh air.
 If breathing is difficult, give oxygen.
 If not breathing, give artificial respiration.

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.
Skin contact	Remove and isolate contaminated clothing and shoes. Wash with plenty of water. Get medical attention if irritation develops and persists.
Ingestion	Call a physician. Do not induce vomiting without medical advice. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Never give anything by mouth to an unconscious person.
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. See Section 11 for additional Toxicological Information.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	No specific antidote is known. Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	In case of fire: use water spray, alcohol-resistant foam, carbon dioxide, dry powder.
Unsuitable extinguishing media	CAUTION: Use of water spray when fighting fire may be inefficient.
Specific hazards arising from the chemical	Not flammable. Dust can form an explosive mixture with air.
Hazardous combustion products	In case of combustion, may generate carbon monoxide and carbon dioxide.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. Cool intact containers exposed to fire with fog water and remove them.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Isolate and signal the area. Keep away from heat/ignition sources. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.
Other Information	Refer to protective measures listed in Sections 7 and 8.
For emergency responders	Use personal protection recommended in Section 8.
<u>Environmental precautions</u>	
Environmental precautions	Prevent the product from reaching the soil and water courses.

Notify the competent authorities if the product reaches drainage systems or water courses or if it contaminates the soil or vegetation.

Methods and material for containment and cleaning up

Methods for containment	Stop leak if you can do it without risk. Contain the spilled product with earth or sand dikes. Eliminate ignition or heat sources.
Methods for cleaning up	Pick up and transfer to properly labeled containers. Wash the contaminated surface with water, which should be collected for disposal.
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	Use in a well-ventilated area. Prevent product inhalation, contact with eyes, skin and clothing through adequate protection. If accidental contact occurs, wash immediately. Emergency showers and eye washers must be available in appropriate locations. Wash hands and face thoroughly after handling. Wash contaminated clothing before reuse.
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Conditions for safe storage, including any incompatibilities

Storage Conditions	Store in a covered, well-ventilated place, away from sunlight and away from heat sources or open flames. Ensure suitable conditions of temperature, pressure and humidity. Keep container tightly closed when not in use.
Packaging materials	carbon steel with internal phenolic coating.
Incompatible materials	Strong oxidizing agents. Acids. 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.
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Appropriate engineering controls

Engineering controls	Showers Eyewash stations Ventilation systems.
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Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Hand protection	PVC (Polyvinyl Chloride) gloves.
Skin and body protection	PVC apron. Protective shoes or boots.
Respiratory protection	In case of emergency or contact with high concentrations of the product, use autonomous masks or with supplied air. A mask with a mechanical filter is recommended in case of exposure to particulate materials.
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
Color	white
Odor	No information available
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	5 - 7	1% w/w in water @25 °C/ 77 °F
Melting point / freezing point	48 °C / 118.4 °F	
Boiling point or initial boiling point and boiling range	Decomposes before boiling (atmospheric pressure)	
Flash point	275 °C / 527 °F	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	1.11 g/cm ³	@25 °C / 77 °F
Water solubility	Soluble in water	0.5% (25 °C/ 77 °F)
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	68.9 cSt	
Dynamic viscosity	75.8 cP	60 °C / 140 °F

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 It does not polymerize.

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 oxidizing agents.
Acids.
Combustible material.

Hazardous decomposition products In case of combustion, may generate carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available.
Due to low vapor pressure, it is unlikely to cause inhalation problems at room temperature.

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.
In large quantities it can cause gastrointestinal irritation and liver damage.
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).

Serious eye damage/eye irritation Classification based on data available for ingredients.
Risk of serious damage to eyes.

	Moderate to severe irritant (rabbit, 100 µL/24h).
Respiratory or skin sensitization	Based on available data, the classification criteria are not met. Ethoxylated alcohols with similar structure are not considered to be skin sensitizers (guinea pig).
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.
Carcinogenicity	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. Ethoxylated alcohols are not carcinogenic (oral and dermal tests).
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.
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 (OECD 408).
Aspiration hazard	No information available.

12. ECOLOGICAL INFORMATION

Chemical name	Toxic to aquatic life		
	Algae/aquatic plants	Fish	Crustacea
Alcohols, C16-18, ethoxylated 68439-49-6	-	LC50, 96h, Brachydanio rerio: 2.9 mg/L.	EC50, 48h, Daphnia magna: 18 mg/L.

Persistence and degradability	Readily biodegradable. 65-75% ThOD, 28 d.
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

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Complies

DSL Complies

NDSL Does not comply

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

1,4-Dioxane is present below 0.1%.
Ethylene oxide is present below 0.1%.

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

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
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

<u>NFPA</u>	Health hazards 3	Flammability 1	Instability 0	Special hazards -
<u>HMIS</u>	Health hazards 3	Flammability 1	Physical hazards 0	Personal protection X

Revision Date 17-Sep-2020

206095

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