



SAFETY DATA SHEET

Revision Date 26-Jun-2020

Revision Number 2

1. IDENTIFICATION

Product identifier

Product Name ALKONAT L 230

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. Immediately call a POISON CENTER or doctor.
 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.
 Harmful to aquatic life with long lasting effects.

Hazards not otherwise classified (HNOC)

Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical name	CAS No	Weight-%	Trade secret
Alcohols, C12-16, ethoxylated	68551-12-2	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.
 Immediate medical attention is required.

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

Eye contact	Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. 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.
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. Use personal protective equipment as required. Ensure adequate ventilation.
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.
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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. Store locked up.
Packaging materials	stainless steel. Coated carbon steel with: Vinyl ester resin.
Incompatible materials	Strong acids. Strong bases. Strong oxidizing agents.

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	Tight sealing safety goggles.
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 Avoid contact with skin, eyes or clothing.
 Wear suitable gloves and eye/face protection.
 Do not eat, drink or smoke when using this product.

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

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	6.0 - 8.0	1% w/w in water @25 °C/ 77 °F
Melting point / freezing point	35 °C / 95 °F	
Boiling point or initial boiling point and boiling range	> 230 °C / 446 °F	
Flash point	250 °C / 482 °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	< 0.001	mmHg (25 °C/ 77 °F)
Relative vapor density	No data available	
Density and/or relative density	1.030 g/cm ³	45° C / 113° 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 information available.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

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.

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.
- Eye contact** Specific test data for the substance or mixture is not available.
Severely irritating to eyes.
Causes serious eye damage.
May cause burns.
May cause irreversible damage to eyes.
(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. Burning. May cause blindness. 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, C12-16 68855-56-1	1000 mg/kg(Rat)	> 2000 mg/kg (Rat)	> 1,6 mg/L (Rat, 4h)

Skin corrosion/irritation Classification based on data available for ingredients.
Mild Irritant.

Component Information	
Alcohols, C12-16, ethoxylated (68551-12-2)	
Species	Rabbit
Effective dose	500 mg
Exposure time	24 hours
Results	Mild skin irritant

Serious eye damage/eye irritation Classification based on data available for ingredients.
Severe irritant.

Component Information	
Alcohols, C12-16, ethoxylated (68551-12-2)	
Species	Rabbit
Effective dose	100 mg
Exposure time	24 hours

Results	Severe eye irritation
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Respiratory or skin sensitization	Not a skin sensitizer. Guinea pig.
Germ cell mutagenicity	Not mutagenic in AMES Test.
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.
Reproductive toxicity	Based on available data, the classification criteria are not met. NOAEL, dermal, rat P, F1, F2 generations: > 250 mg/kg/day (reprotoxicity and developmental toxicity).
STOT - single exposure	No information available.
STOT - repeated exposure	Based on available data, the classification criteria are not met. NOAEL, dermal, 13 weeks, rat: 500 mg/kg/day (body weight).
Aspiration hazard	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Alcohols, C12-16 68855-56-1	NOEC, Selenastrum capricomutum: 0.31 mg/L [growth rate].	LC50, 96h, Cyprinus carpio: 1.4 mg/L [static].	LC50, 48h, Daphnia magna: 6.46 mg/L.

Persistence and degradability Readily biodegradable.

Alcohols, C12-16, ethoxylated (68551-12-2)			
Method	Exposure time	Value	Results
OECD Test No. 301C: Ready Biodegradability: Modified MITI Test (I) (TG 301 C)	28 days	74%	Readily biodegradable

Bioaccumulative potential Bioconcentration potential in aquatic organisms is moderate.

Chemical name	Partition coefficient
Alcohols, C12-16, ethoxylated 68551-12-2	3.40

Mobility in soil It is expected to have high mobility in soil.
Koc = 150.

Other adverse effects Water hazard class (WGK) 2: Hazardous to the Aquatic Environment.

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

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
1,4-Dioxane	100 lb	-

123-91-1		
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

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

Revision Date 26-Jun-2020

205117

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