

Revision Date 01-Jul-2020

Revision Number 1

1. IDENTIFICATION

Product identifier

Product Name ALKONAT L 100

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/protective clothing/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/physician.
 IF ON SKIN: Wash with plenty of soap and water.
 If skin irritation occurs: Get medical advice/attention.
 Take off contaminated clothing and wash before reuse.
 IF SWALLOWED: Call a POISON CENTER or doctor/physician 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

Inhalation

Remove to fresh air.
 If breathing is difficult, administer oxygen.
 If not breathing, give artificial respiration.
 Get immediate medical advice/attention.

Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin contact	Wash with plenty of water. Remove and isolate contaminated clothing and shoes. If skin irritation or rash occurs: Get medical advice/attention.
Ingestion	Get medical attention. 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.

Most important symptoms and effects, both acute and delayed

Symptoms See Section 11 for additional Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	In case of fire: use water spray, alcohol-resistant foam, carbon dioxide, dry powder.
Unsuitable extinguishing media	A water jet should not be directed directly at the burning product, as it may spread and increase the intensity of the fire.
Specific hazards arising from the chemical	Not flammable.
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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Isolate and signal the area. Keep away from heat/ignition sources.
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 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. Collect remnants with an appropriate absorbent material. Transfer to proper container. 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	Ensure adequate ventilation. 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	Protect from sunlight. Store in a well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Ensure suitable conditions of temperature, pressure and humidity. Keep container closed when not in use.
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Packaging materials	carbon steel. carbon steel with internal epoxy-phenolic coating. carbon steel with internal phenolic coating. Glass. High density polyethylene. low density polyethylene. polypropylene. stainless steel 304/307. stainless steel 316.
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Incompatible materials	Strong oxidizing agents. Strong bases.
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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. In closed environments, this product must be handled with suitable exhaustion (general diluting or exhausting place).
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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	Wear impervious gloves. Rubber gloves. PVC (Polyvinyl Chloride) gloves.
Skin and body protection	Wear chemically impervious clothing. PVC apron. Protective shoes or boots.
Respiratory protection	In case of emergency or contact with high concentrations of the product, use a self-contained mask or a blown air system. If exposed to vapors/aerosols, it is recommended to use a mask with a filter for organic vapours.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

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

Property	Values	Remarks • Method
pH	6 - 8	(25 °C / 77 °F)
Melting point / freezing point	27 °C / 81 °F	
Boiling point or initial boiling point and boiling range	> 230 °C / 446 °F	
Flash point	216 °C / 421 °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	< 0.001	mmHg (25 °C / 77 °F)
Relative vapor density	No data available	
Density and/or relative density	0.99 g/cm ³	50° C / 122° 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	75 cSt	30 °C / 86 °F
Dynamic viscosity	75 cP	30 °C / 86 °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 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 oxidizing agents.
Strong bases.

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 Repeated and/or prolonged exposure, without adequate protection, to vapors or mists of the product can cause: Irritation of the nose, throat and respiratory tract.
(based on components).

Eye contact Causes serious eye damage.
(based on components).

Skin contact Mild skin irritation.
(based on components).

Ingestion May cause gastrointestinal irritation.
(based on components).

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

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, ethoxylated 68551-12-2	1000 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 1.6 mg/L (Rat)

Skin corrosion/irritation Mild Irritant.

Component Information	
Alcohols, C12-16, ethoxylated (68551-12-2)	
Species	Rabbit
Exposure route	Dermal
Effective dose	0.5 g
Exposure time	24 hours
Results	Mild skin irritant

Serious eye damage/eye irritation Severe irritant.

Component Information

Alcohols, C12-16, ethoxylated (68551-12-2)	
Species	Rabbit
Exposure route	Eye
Effective dose	0.1 g
Exposure time	24 hours
Results	Severe eye irritation

Respiratory or skin sensitization Not a skin sensitizer for Guinea pigs.

Germ cell mutagenicity Negative in AMES Test with or without metabolic activation.

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 NOAEL, dermal, rat generation P, F1, F2: > 250 mg/kg/day (reproductive toxicity and developmental toxicity).

STOT - single exposure No information available.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Component Information	
Alcohols, C12-16, ethoxylated (68551-12-2)	
Species	Rat
Exposure route	Oral
Effective dose	NOAEL =1000 mg/kg bw/day
Exposure time	28 days
Results	Systemic effects observed

Species	Rat
Exposure route	Dermal
Effective dose	NOAEL =500 mg/kg bw/day
Exposure time	13 weeks
Results	Body weight

Aspiration hazard No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Crustacea
Alcohols, C12-16, ethoxylated 68551-12-2	NOEC, Selenastrum capricornutum: 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.
74% by BOD after 28 days.

Bioaccumulative potential Bioconcentration potential in aquatic organisms is moderate.
log Kow: 3.40 (estimated).

Mobility in soil It is expected to have high mobility in soil.

Koc = 150 - Estimated.

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

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).
 No impurity present above 1 ppm.

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

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

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

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
Ethylene oxide 75-21-8	X	X	X
1,4-Dioxane 123-91-1	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

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

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

Revision Date 01-Jul-2020

206876

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

