

Revision Date 18-Mar-2020

Revision Number 4

## 1. IDENTIFICATION

### Product identifier

**Product Name** ALKONAT L 70

**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

### Label 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  
 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**

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**

<b>General advice</b>	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.
<b>Inhalation</b>	Remove to fresh air. Get medical attention immediately if symptoms occur.
<b>Eye contact</b>	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.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	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** In case of ingestion: may cause gastrointestinal irritation. In case of inhalation: without suitable protection, repeated and/or prolonged exposure to vapors or mists of the product can cause irritation of the nose, throat and respiratory tract. In contact with skin: mild irritant. In contact with eyes: causes moderate to severe irritation.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** No specific antidote is known. Treatment should be done according to the symptoms and clinical conditions of the patient. In case of contact with eyes, the victim may not notice the eye damage.

## 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.

**Hazardous combustion products** Carbon oxides.

**Special protective equipment for fire-fighters** A water jet should not be directed directly at the burning product, as it may spread and increase the intensity of the fire. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

## 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.

**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. Keep away from heat and open flame.

**Packaging materials** stainless steel 304/307. stainless steel 316.

**Incompatible materials** 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.

**Appropriate engineering controls**

**Engineering controls** In closed environments, this product must be handled with suitable exhaustion (general diluting or exhausting place). Showers, eyewash stations, and ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Tight sealing safety goggles.

**Hand protection** Rubber gloves. PVC (Polyvinyl Chloride) gloves.

**Skin and body protection** Wear suitable protective clothing. Long sleeved clothing.

**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. 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 vapours/aerosols, it is recommended to use a mask with a filter for organic vapours.

**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** Liquid  
**Odor** Characteristic  
**Odor threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	6 - 8	1% w/w in water @25 °C/ 77 °F
Melting point / freezing point	15 °C / 59 °F	Beginning of turbidity
Boiling point or initial boiling point and boiling range	No data available	
Flash point	210 °C / 410 °F	Cleveland Open Cup

<b>Evaporation rate</b>	No data available	
<b>Flammability</b>	No data available	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	No data available	
<b>Lower flammability limit:</b>	No data available	
<b>Vapor pressure</b>	No data available	
<b>Relative vapor density</b>	No data available	
<b>Density and/or relative density</b>	0.972 - 0.981 g/cm <sup>3</sup>	@40 °C/ 104 °F
<b>Water solubility</b>	Soluble in water	
<b>Solubility in other solvents</b>	No data available	(20 °C/ 68 °F for 1 hour, 0.5% concentration)
<b>Partition Coefficient (n-octanol/water)</b>	No data available	
<b>Autoignition temperature</b>	No data available	
<b>Decomposition temperature</b>	No data available	
<b>Kinematic viscosity</b>	No data available	
<b>Dynamic viscosity</b>	85 mPa s	(25 °C/ 77 °F)
<b>Particle characteristics</b>	No information available	
<b>Other Information</b>		
<b>Molecular weight</b>	No information available	
<b>VOC Content (%)</b>	No information available	
<b>Bulk density</b>	No information available	

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	No information available.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Conditions to avoid</b>	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.
<b>Incompatible materials</b>	Strong bases. Strong oxidizing agents.
<b>Hazardous decomposition products</b>	In case of combustion: Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ).

**11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure

**Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
<b>Eye contact</b>	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).
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. Causes mild skin irritation. (based on components).
<b>Ingestion</b>	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.

**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)	It is expected to exceed the saturated vapour concentration in the air

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

<b>Skin corrosion/irritation</b>	Mild Irritant.
<b>Serious eye damage/eye irritation</b>	Severe irritant. Causes burns. Risk of serious damage to eyes.
<b>Respiratory or skin sensitization</b>	Not a skin sensitizer for Guinea pigs.
<b>Germ cell mutagenicity</b>	Negative in AMES Test or without metabolic activation.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	NOAEL, dermal, rat generation P, F1, F2: > 250 mg/kg/day (reproductive toxicity and developmental toxicity).
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No significant effect on the repeated toxicity. NOAEL, dermal, 13 weeks, in the rat: 500 mg/kg/day (body weight).
<b>Aspiration hazard</b>	No information available.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Alcohols, C12-16, ethoxylated 68551-12-2	EbC50,72h, Desmodesmus subspicatus: 2.70 mg/L.	LC50, 96h, Poecilia reticulata: 6.5 mg/L.	-	LC50, 48h, Daphnia magna: 2.32 mg/L.

<b>Persistence and degradability</b>	Readily biodegradable. 80% by BOD after 28 days.
<b>Bioaccumulative potential</b>	Bioconcentration potential in aquatic organisms is low.
<b>Mobility in soil</b>	No information available.
<b>Other adverse effects</b>	No information available.

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

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

## 14. TRANSPORT INFORMATION

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

## 15. REGULATORY INFORMATION

### International Inventories

<b>TSCA</b>	Complies
<b>DSL</b>	Complies
<b>NDSL</b>	Does not comply
<b>EINECS/ELINCS</b>	Does not comply
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies
<b>NZIoC</b>	Complies

### Legend:

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

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

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**NZIoC** - New Zealand Inventory of Chemicals

### 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**

Acute toxicity (any route of exposure)

Skin Corrosion or Irritation

Serious eye damage or eye irritation

#### **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: max. 1 ppm. RQ 100 lbs.  
 Ethylene oxide: max. 1 ppm. RQ 10 lbs.  
 The RQ (Reportable Quantity) of the product is 10000000 lbs.

**SARA 302 (40 CFR 355 - Appendix A)**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**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**

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**

<b>NFPA</b>	Health hazards 3	Flammability 1	Instability 0	Physical and chemical properties -
<b>HMIS</b>	Health hazards 3	Flammability 1	Physical hazards 0	Personal protection X

Revision Date 18-Mar-2020

205180

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**