

Revision Date 30-Jun-2021

Revision Number 2

1. IDENTIFICATION

Product identifier

Product Name ALKOSYNT 130

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
Serious eye damage/eye irritation	Category 1

Labeling elements

Danger

Harmful if swallowed
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.
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
Rinse mouth.

Precautionary Statements - Disposal

Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

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
Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-	34398-01-1	70 - 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	Get medical attention immediately if symptoms occur. Remove to fresh air. If breathing is difficult, administer oxygen. Give artificial respiration if victim is not breathing.
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	Take off contaminated clothing. Wash off immediately with plenty of water. Get medical attention if irritation develops and persists.

Ingestion	Get medical attention. Do NOT induce vomiting. 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	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	In case of fire: Use dry chemical, CO2, water spray or regular foam to extinguish.
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 toxic and/or irritant fumes containing: 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. Keep away from heat/ignition sources.
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	Prevent further leakage or spillage if safe to do so. Eliminate ignition or heat sources.
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.
 Ensure adequate ventilation.
 Avoid contact with skin, eyes or clothing.
 Avoid breathing dust/fume/gas/mist/vapors/spray.
 Do not eat, drink or smoke when using this product.
 Wash face, hands and any exposed skin thoroughly after handling.
 Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.
 Protect from sunlight.
 Keep away from heat and open flame.
 Ensure suitable conditions of temperature, pressure and humidity.
 Keep container tightly closed when not in use.

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

Incompatible materials Avoid contact with: 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 Showers
 Eyewash stations
 Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Tight sealing safety goggles.

Hand protection Wear suitable gloves. PVC (Polyvinyl Chloride) gloves.

Skin and body protection Wear suitable protective clothing. PVC apron. Recommendation(s): 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 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
Color	colorless
Odor	No information available
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	6 - 8	
Melting point / freezing point	- 9 °C / 16 °F	
Boiling point or initial boiling point and boiling range	> 100 °C / 212 °F	
Flash point	> 150 °C / 302 °F	CC (closed 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	< 0.02 mmHg	(25 °C/ 77 °F)
Relative vapor density	No data available	
Density and/or relative density	0.9307 g/cm ³	@25 °C / 77 °F
Water solubility	Insoluble in water	at 5% w/w (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	No data available	
Dynamic viscosity	38.7 cP	(20 °C / 68 °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	Avoid contact with: Strong oxidizing agents.
Hazardous decomposition products	In case of combustion may generate toxic and/or irritant fumes containing: Carbon oxides.

11. TOXICOLOGICAL INFORMATION

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

Inhalation	Inhalation of vapors in high concentration may cause irritation of respiratory system.
Eye contact	Causes serious eye damage. May cause burns. May cause irreversible damage to eyes. (based on components).
Skin contact	May cause irritation.
Ingestion	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.
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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
Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydrox y- 34398-01-1	1100 mg/kg (rat).	> 2000 mg/kg (rat).	-

Skin corrosion/irritation	Mild Irritant.
Serious eye damage/eye irritation	Severe irritant (rabbit).
Respiratory or skin sensitization	Not a skin sensitizer for Guinea pigs.
Germ cell mutagenicity	No information available.
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	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

12. ECOLOGICAL INFORMATION**Ecotoxicity** Toxic to aquatic life.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-	EC50, 96h, Selenastrum capricornutum: 2.9 mg/L. NOEC:	LC50, 96h, Pimephales promelas: 1.6 mg/L.	LC50, 48h, Daphnia magna: 3.6 mg/L.

hydroxy-34398-01-1	1.2 mg/L.		
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Persistence and degradability	Readily biodegradable. (100% DOC).
Bioaccumulative potential	No information available.
Mobility in soil	It is expected to have moderate mobility in soil. Log Koc : 2.64.
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	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).

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
Ethylene oxide - 75-21-8	Carcinogen Developmental Toxicity Female Reproductive Toxicity Male Reproductive Toxicity
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

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 30-Jun-2021

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