

Revision Date 06-Jan-2020

Revision Number 1

## 1. IDENTIFICATION

### Product identifier

**Product Name** ALKEST TW 80 FGM K

**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 not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### Label elements

None needed according to classification criteria.	
<b>Appearance</b> viscous	<b>Physical state</b> Liquid

### Other hazards which do not result in classification

Not applicable

### Hazards not otherwise classified (HNOC)

Not applicable

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance

Chemical name	CAS No	Weight-%	Trade secret
Sorbitan, mono-(9Z)-9-octadecenoate, poly(oxy-1,2-ethanediyl) derivatives	9005-65-6	60 - 100	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

#### Description of first aid measures

<b>Inhalation</b>	Remove to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration.
<b>Eye contact</b>	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.
<b>Skin contact</b>	Wash with plenty of water. Remove and isolate contaminated clothing and shoes.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

#### Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

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

**Note to physicians** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Dry chemical, CO <sub>2</sub> , water spray or alcohol-resistant foam.
<b>Unsuitable extinguishing media</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Specific hazards arising from the chemical</b>	Not flammable.
<b>Hazardous combustion products</b>	Carbon oxides.
<b>Special protective equipment for fire-fighters</b>	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**

<b>Personal precautions</b>	Ensure adequate ventilation.
<b>For emergency responders</b>	Use personal protection recommended in Section 8.

**Environmental precautions**

<b>Environmental precautions</b>	See Section 12 for additional Ecological Information.
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**Methods and material for containment and cleaning up**

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Pick up and transfer to properly labeled containers.
<b>Prevention of secondary hazards</b>	Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

<b>Advice on safe handling</b>	Handle in accordance with good industrial hygiene and safety practice.
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**Conditions for safe storage, including any incompatibilities**

<b>Storage Conditions</b>	Protect from sunlight. Store in a well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep container closed when not in use.
<b>Packaging materials</b>	stainless steel. high density polyethylene. low density polyethylene.
<b>Incompatible materials</b>	Oxidizing agent.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

<b>Exposure Limits</b>	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**

<b>Engineering controls</b>	Showers Eyewash stations Ventilation systems.
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**Individual protection measures, such as personal protective equipment**

<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Hand protection</b>	Wear suitable gloves. PVC (polyvinyl chloride). Rubber gloves.
<b>Skin and body protection</b>	PVC apron. Protective shoes or boots.

<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid @25 °C
<b>Appearance</b>	viscous
<b>Color</b>	Yellowish amber
<b>Odor</b>	No information available
<b>Odor threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	6.0 - 7.0	5% w/w in water @25 °C
<b>Melting point / freezing point</b>	< 0 °C / 32 °F	
<b>Boiling point or initial boiling point and boiling range</b>	> 100 °C / 212 °F	
<b>Flash point</b>	> 149 °C / 300 °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>	< 0.01	mmHg @25 °C
<b>Relative vapor density</b>	No data available	
<b>Density and/or relative density</b>	1.070 - 1.072 g/cm <sup>3</sup> @25 °C	
<b>Water solubility</b>	Soluble in water	
<b>Solubility in other solvents</b>	No data available	
<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>	300 - 500 cSt @25 °C	
<b>Dynamic viscosity</b>	No data available	
<b>Particle characteristics</b>	No information available	

### Other Information

<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>Hazardous polymerization</b>	Hazardous polymerization does not occur.
<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>	Oxidizing agent.
<b>Hazardous decomposition products</b>	Carbon oxides.

## 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.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

### Acute toxicity

**Unknown acute toxicity** No information available

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sorbitan, mono-(9Z)-9-octadecenoate, poly(oxy-1,2-ethanediyl) derivatives 9005-65-6	= 34500 µL/kg ( Rat )	-	-

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

<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met. Reported to be non-irritating when applied undiluted to human skin for 48 hours. Produced inflammation, thickening and necrosis when applied to rabbits for one month.
<b>Serious eye damage/eye irritation</b>	Slight irritant (150 mg, rats).
<b>Respiratory or skin sensitization</b>	Not a skin sensitizer. Guinea pig.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met. Negative results with sister chromatid exchange and Ames tests. Positive results with chromosome aberration test (induced rat liver S9).
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met. There was no evidence of carcinogenic activity in female rats or in male or female mice which received diets containing 25,000 or 50,000 ppm for 2 years.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met. Reproductive effects have been reported in animals. 10-20 day old male rat pups whose dams received chronic doses (1.25 mL/L) via drinking water exhibited an enhancement in their exploratory and locomotor activity during the diurnal period of the day. LOAEL, oral, rat: 500 mg/kg/day (based upon an increase in maternal relative liver weight). NOAEL, oral, rat: > 5000 mg/kg/day (based on prenatal development).
<b>STOT - single exposure</b>	No information available.

<b>STOT - repeated exposure</b>	Based on available data, the classification criteria are not met. Daily doses of up to 15 grams given to adult humans produced no adverse effects. Mild to moderate central nervous system depression with ataxia, paralytic activity and reduced rectal temperature was reported after oral administration in laboratory animals. Pheochromocytomas in male rats as well as inflammation, squamous hyperplasia and ulcers of the forestomach of rats and mice have been reported in 2 year feeding studies.
<b>Aspiration hazard</b>	No information available.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Not considered to be harmful to aquatic life.
<b>Persistence and degradability</b>	Not readily biodegradable. 32% after 28 days.
<b>Bioaccumulative potential</b>	It is not expected to bioaccumulate in the environment.
<b>Mobility in soil</b>	It is expected to have high mobility in soil.
<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>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies

PICCS	Complies
AICS	Complies
NZIoC	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 health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**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, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or 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
Hydrogen peroxide 7722-84-1	X	X	X
1,4-Dioxane 123-91-1	X	X	X

Ethylene oxide 75-21-8	X	X	X
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**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

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

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

Revision Date 06-Jan-2020

206084

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**