

Revision Date 14-Nov-2023

Revision Number 2.01

1. IDENTIFICATION

Product identifier

Product Name ALKEST TW 60 K MB

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 1-888-674-9009

Emergency Telephone CHEMTREC – United States
Toll Free : 1-800-424-9300
CHEMTREC – Global: +1-703-527-3887

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Labeling elements

None needed according to classification criteria

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
Polyoxyethylene sorbitan monostearate	9005-67-8	80 - 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.
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.
Ingestion	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.
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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	Dry chemical, CO ₂ , 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 Ensure adequate ventilation.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

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.

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.
Keep container closed when not in use.

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

Incompatible materials Oxidizing agent.

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).

Hand protection	Wear suitable gloves. PVC (polyvinyl chloride), Rubber gloves.
Skin and body protection	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	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Solid @25 °C / 77 °F
Appearance	Paste
Color	Yellow to Amber
Odor	Odorless
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	6 - 7	
Melting point / freezing point	20 - 25 °C / 68 - 77 °F	
Boiling point or initial boiling point and boiling range	> 100 °C / 212 °F	
Flash point	149 °C / 300 °F	
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	< 16 mmHg	(25 °C / 77 °F)
Relative vapor density	No data available	
Density and/or relative density	1.1 g/cm ³	@25 °C / 77 °F
Water solubility	Soluble	
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	89 cP	(60 °C / 140 °F)

Particle characteristics	No information available
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Other Information

Molecular weight	No information available
VOC Content (%)	No information available
Bulk density	1.0838 g/cm ³

10. STABILITY AND REACTIVITY

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing. 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 Oxidizing agent.

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.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.

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
Polyoxyethylene sorbitan monostearate 9005-67-8	> 60 mL/kg (rat).	> 2000 mg/kg (rat).	-

Skin corrosion/irritation	No skin irritation. (500 mg, 72h, rabbit).
Serious eye damage/eye irritation	No eye irritation. Draize eye irritation score was an 8 out of a possible 110.
Respiratory or skin sensitization	Not sensitizing to the human skin.
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, oral, rat: 7693 mg/kg/day (teratogenicity).
STOT - single exposure	No information available.
STOT - repeated exposure	Based on available data, the classification criteria are not met. LOEL, oral, rat: 12500 mg/kg (mild to moderate lengthening of the cecum and changes in liver fat). NOEL, oral, rat: 5000 mg/kg (mild lengthening of the cecum).
Aspiration hazard	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity Not considered to be harmful to aquatic life.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Polyoxyethylene sorbitan monostearate 9005-67-8	-	LC50, 24h, Oryzias latipes: > 1000 mg/L.	-

Persistence and degradability Readily biodegradable.
50% after 15 days.

Bioaccumulative potential It is not expected to bioaccumulate in the environment.

Bioconcentration factor (BCF) 3.162 (estimated).

Mobility in soil It is expected to be immobile in soil.
Log Koc: 9.9434 (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 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
1,4-Dioxane - 123-91-1	Carcinogen
Ethylene oxide - 75-21-8	Carcinogen Developmental Toxicity Female Reproductive Toxicity Male Reproductive Toxicity

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
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

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

0

Flammability

1

Instability

0

Special hazards

-

HMIS**Health hazards**

0

Flammability

1

Physical hazards

0

Personal protection

X

Revision Date 14-Nov-2023

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