



Safety Data Sheet

Issue Date: 4/28/2020

Revision Date: n/a

Version 1

1. IDENTIFICATION

Product Identifier

Product Name

BERKEBILE Hand Sanitizer Alcohol 80%

Product Code BETHOWASH1, BETHOWASH8,
BETHOWASH12, BETHOWASH16

Recommended use of the chemical and restrictions on use

Recommended Use Hand Sanitizer

Details of the supplier of the safety data sheet

Supplier Address

The Berkebile Oil Co., Inc.
PO BOX 715
Somerset, PA 15501

Emergency Telephone Number

Company Phone Number Phone: 814-443-1656

Emergency Telephone (24 hr) (800) 424-9300 (CHEM TREC)

2. HAZARDS IDENTIFICATION

Appearance Liquid saturated on wipe

Physical State Solid

Odor Characteristic

Classification

The classification below is for the liquid which is absorbed onto the wipe.

Eye irritation	Category 2b
Specific target organ toxicity (single exposure)	Category 3
Flammable Liquids	Category 3

Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed May
be harmful if inhaled

NOT FOR INTERNAL USE

Signal Word

WARNING

Hazard Statements

Causes serious eye irritation
May cause skin irritation
Flammable liquid and vapor

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling
 Avoid breathing dust/fume/gas/mist/vapors/spray
 Use only outdoors or in a well-ventilated area
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking
 Keep container tightly closed
 Ground/bond container and receiving equipment
 Use explosion-proof equipment
 Use only non-sparking tools
 Take precautionary measures against static discharge
 Wear protective gloves/protective clothing/eye protection/face protection
 Keep cool

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Call a poison center or doctor/physician if you feel unwell
 IN CASE OF FIRE: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Ethyl alcohol	64-17-5	80
Water	7732-18-5	15-20

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures**Eye Contact**

Rinse thoroughly with plenty of water for at least 15 minutes, also under the eyelids. If eye irritation persists: Get medical advice/attention.

Skin Contact	If irritation persists, wash with water.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Call a poison center or doctor/physician if you feel unwell.
Ingestion	Immediately drink 1-2 glasses of milk or water. Get medical attention.

Most important symptoms and effects

Symptoms	May cause severe eye irritation with reddening and watering. Repeated exposure may cause skin dryness or cracking. May cause irritation to the mucous membranes and upper respiratory tract. Ingestion may cause irritation of the gastrointestinal tract, cramps, vomiting or diarrhea. Drowsiness.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Flammable liquid. Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material. Cool unopened containers with water.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Emits toxic fumes (carbon oxides) under fire conditions. Vapors can travel to a source of ignition and flash back. Containers may explode in a fire. Cool containers from a distance using water spray. SENSITIVE TO STATIC DISCHARGE. (See also Stability and Reactivity section)

Protective equipment and precautions for firefighters

Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots. Material can react violently with water (spattering and misting) and react with metals to produce flammable hydrogen gas

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions	Remove all sources of ignition. Use personal protective equipment as required. Use nonsparking tools. Suppress vapors with water fog.
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Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
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Methods for Clean-Up	Place in an appropriate container for disposal.
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7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on Safe Handling Wash thoroughly after handling. Use personal protection recommended in Section 8. Avoid breathing vapors or mists. Use only in well-ventilated areas. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Use spark-proof tools and explosionproof equipment. Ground/bond container and receiving equipment. Take precautionary measures against static discharges. Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep locked up and out of reach of children.

Incompatible Materials Concentrated nitric and sulfuric acids. Oxidizers. Aldehydes.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Component	Exposure Limits	Basis	Entity
Ethyl Alcohol	1000 ppm 1900 mg/m ³	REL	NIOSH
	1000 ppm 1900 mg/m ³	PEL	OSHA
	1000 ppm 1880 mg/m ³	STEL	ACGIH
	3300 ppm	IDLH	OSHA

Appropriate engineering controls

Engineering Controls Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses.

Skin and Body Protection Chemical resistant protective gloves. Vinyl not recommended.

Respiratory Protection Ensure adequate ventilation, especially in confined areas.

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	Odor	Characteristic
Appearance	Liquid saturated on wipe	Odor Threshold	Not determined
Color	Clear		

Property	The information below is for the liquid absorbed onto the wipe	Remarks • Method
pH	7.5	_____

Melting Point/Freezing Point	N/A	
Boiling Point/Boiling Range	N/A	
Flash Point	25 °C / 77F	
Evaporation Rate	<1	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not available	
Lower Flammability Limit	Not available	
Vapor Pressure	N/A	
Vapor Density	N/A	(Air=1)
Specific Gravity	N/A	(1= Water)
Water Solubility	N/A	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	N/A 00	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not available	
Dynamic Viscosity	Not available	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Heat, flames and sparks. Ignition sources.

Incompatible Materials

Alkali metals, ammonia, oxidizing agents, peroxides.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Skin	Not Available
Eyes	Not Available
Respiratory	LC50 Inhalation – rat – 10 h – 20000 ppm
Ingestion	LD50 Oral – rat – 7,060 mg/kg Remarks: Lungs, Thorax, or Respiration: Other changes.

Carcinogenicity

IARC	No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	A3: Confirmed animal carcinogen with unknown relevance to humans. (Ethyl Alcohol)
NTP	No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Signs & Symptoms of Exposure

Skin	Irritation, redness, itchiness.
Eyes	Irritation, redness, watering eyes, itchiness.
Respiratory	Irritation, coughing, wheezing, dizziness, drowsiness.
Ingestion	Irritation, nausea, vomiting, diarrhea, dizziness, drowsiness.

Chronic Toxicity	Ingestion may cause blindness.
Teratogenicity	Not Available
Mutagenicity	Not Available
Embryotoxicity	Pre-and Post-implant mortality.
Specific Target Organ Toxicity	Not Available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Vertebrate	LC ₅₀ (96 hours): 13,000 mg/L <i>Oncorhynchus mykiss</i> (Rainbow Trout)
Aquatic Invertebrate	Not Available
Terrestrial	Not Available

Persistence and Degradability	Not Available
Bioaccumulative Potential	Will not accumulate
Mobility in Soil	Not Available
PBT and vPvB Assessment	Not Available
Other Adverse Effects	Not Available

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes. The shipper / consignor / sender are responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

DURING THE COVID-19 HEALTH CRISIS PACKAGING SIZE UNDER 8 GALLONS ARE TEMPORARILY EXEMPT FROM DOT REGUALTIONS WHEN SHIPPED VIA GROUND. CONTAINERS LARGER THAN 8 GALLONS ARE CONSIDERED: UN 1987, Alcohols, n.o.s., 3, PGII

Shipment	Identification Number	Propper Shipping Name	Hazard Classification	Packing Group
US DOT	None	CONSUMER COMMODITY	ORM-D	None
IATA (AIR)	ID8000	CONSUMER COMMODITY	9	n/a
IMDG (Vessel)	Un1987	ETHANOL SOLUTION	3	III, LTD QTY

15. REGUALTORY INFO

TSCA Inventory Status: All ingredients are listed on the TSCA inventory.

DSCL (EEC): All ingredients are listed on the DSCL inventory.

California Proposition 65 Not Listed: Ethyl Alcohol (in alcoholic beverages ONLY)

SARA 302: Not Listed

SARA 304: Not Listed

SARA 311: Ethyl Alcohol

SARA 312: Ethyl Alcohol

SARA 313: Listed: Ethyl Alcohol

WHMIS Canada Class B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).

16. OTHER INFORMATION

NFPA 704:



HMIS III:

HEALTH	1
FLAMMABILITY	3
PHYSICAL HAZARDS	0

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.