

SAFETY DATA SHEET

SECTION 1) CHEMICAL PRODUCT AND MANUFACTURER'S IDENTIFICATION

Product ID: 23470
Product Name: Alco-Klenz
Revision Date: Jul 07, 2020
Version: 2.0
Manufacturer's Name: CHEMSAFE International
Address: One Zenex Circle Cleveland, OH, US, 44146
Emergency Phone: 1-800-535-5053
Information Phone Number: (440)786-7000
Fax:
Product/Recommended Uses: Hand sanitizer

Date Printed: Jul 07, 2020
Supersedes Date: Mar 23, 2020

SECTION 2) HAZARDS IDENTIFICATION

Classification

Flammable Liquids - Category 2
Eye Irritation - Category 2A

Pictograms



Signal Word

Danger

Hazardous Statements - Physical

H225 - Highly flammable liquid and vapor.

Hazardous Statements - Health

H319 - Causes serious eye irritation.

Precautionary Statements - General

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read label before use.

Precautionary Statements - Prevention

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/lighting/equipment.
P242 - Use only non-sparking tools.
P243 - Take action to prevent static discharges.

P280 - Wear protective gloves, eye protection, and face protection.

P264 - Wash thoroughly after handling.

Precautionary Statements - Response

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

P337+ P313 - If eye irritation persists: Get medical attention.

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P370 + P378 - In case of fire: Use dry chemical, carbon dioxide, water spray or alcohol-resistant foam to extinguish.

Precautionary Statements - Storage

P403 + P235 - Store in a well-ventilated place. Keep cool.

Precautionary Statements - Disposal

P501 - Dispose of contents and container in accordance with local, regional, national and international regulations.

Hazards Not Otherwise Classified (HNOC)

None known.

SECTION 3) COMPOSITION, INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0000064-17-5	ETHYL ALCOHOL	60% - 80%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

SECTION 4) FIRST-AID MEASURES

Inhalation

Remove to fresh air.

Eye Contact

Rinse eyes cautiously with lukewarm, gently flowing water for 15 minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

Skin Contact

No ill effects expected. If skin irritation occurs: Get medical advice/attention.

Ingestion

Rinse mouth. Give two glasses of water. If you feel unwell or if concerned: Get medical attention. Do NOT induce vomiting unless under the advice of doctor or POISON CENTER.

Most Important Symptoms/Effects, Acute and Delayed

No data available.

Indication of Immediate Medical Attention and Special Treatment Needed

No data available.

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical. Carbon dioxide (CO₂). Water spray. Alcohol resistant foam.

Unsuitable Extinguishing Media

None known.

Specific Hazards in Case of Fire

Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Fire-Fighting Procedures

Water spray may be useful in minimizing or dispersing vapors and to protect personnel.

Special Protective Actions

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure

Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
Pay attention to flashback. Take precautionary measures against static discharges.
All equipment used when handling the product must be grounded.

Recommended Equipment

See section 8 for specifics on protective personal equipment (PPE).

Personal Precautions

Avoid contact with skin, eyes or clothing.
Ensure adequate ventilation.
Use personal protective equipment as required.

Environmental Precautions

Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

Methods and Materials for Containment and Cleaning up

Stop leak if you can do it without risk. Do not touch or walk through spilled material.
A vapor-suppressing foam may be used to reduce vapors.
Dike far ahead of liquid spill for later disposal. Keep out of drains, sewers, ditches and waterways.
Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Soak up with inert absorbent material.
Pick up and transfer to properly labeled containers.

SECTION 7) HANDLING AND STORAGE

General

Wash hands after use.
Do not get in eyes, on skin or on clothing.
Do not breathe vapors or mists.
Use good personal hygiene practices.
Eating, drinking and smoking in work areas is prohibited.
Remove contaminated clothing and protective equipment before entering eating areas.

Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Use grounding and bonding connection when transferring this material to prevent static discharge. Keep in an area equipped with sprinklers.

Ventilation Requirements

Use only with adequate ventilation to control air contaminants to their exposure limits.

Storage Room Requirements

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight and incompatibilities. Keep containers securely sealed when not in use.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection

Tight sealing chemical goggles or vented/splash proof goggles.

Skin Protection

Use of gloves approved from relevant standards.

Respiratory Protection

No data available.

Appropriate Engineering Controls

Ventilation should be sufficient to prevent inhalation of any vapors.

Chemical Name	OSHA TWA (mg/m3)	OSHA TWA (ppm)	OSHA STEL (mg/m3)	OSHA STEL (ppm)	OSHA Carcinogen	OSHA Skin designation	OSHA Tables (Z1, Z2, Z3)	ACGIH TWA (mg/m3)
ETHYL ALCOHOL	1900	1000					1	
HYDROGEN PEROXIDE	1.4	1					1	

Chemical Name	ACGIH TWA (ppm)	ACGIH STEL (mg/m3)	ACGIH STEL (ppm)	ACGIH Carcinogen	ACGIH Notations	ACGIH TLV Basis	NIOSH TWA (mg/m3)	NIOSH TWA (ppm)
ETHYL ALCOHOL			1000	A3	A3	URT irr	1900	1000
HYDROGEN PEROXIDE	1			A3	A3	Eye, URT & skin irr	1.4	1

Chemical Name	NIOSH STEL (mg/m3)	NIOSH STEL (ppm)	NIOSH Carcinogen
ETHYL ALCOHOL			
HYDROGEN PEROXIDE			

A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans, irr - Irritation, URT - Upper respiratory tract

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Density	7.08077 lb/gal
Density VOC	5.66462 lb/gal
% VOC	80.00%

Appearance	Colorless
Odor Threshold	N.A.
Odor Description	Alcohol
pH	N.A.
Water Solubility	N.A.
Flammability	N/A
Flash Point Symbol	N.A.
Flash Point	63.5°F
Viscosity	N.A.
Lower Explosion Level	N.A.
Upper Explosion Level	N.A.
Vapor Pressure	N.A.
Vapor Density	N.A.
Melting Point	N.A.

Freezing Point	N.A.
Low Boiling Point	172.9°F
High Boiling Point	N.A.
Decomposition Pt	N.A.
Auto Ignition Temp	N.A.
Evaporation Rate	N.A.
VOC Composite Partial Pressure	N.A.

SECTION 10) STABILITY AND REACTIVITY

Stability

The product is stable under normal storage conditions.

Conditions to Avoid

Avoid all possible sources of ignition, heat, sparks, flame, build up of static electricity and contact with incompatible materials.

Incompatible Materials

None known.

Hazardous Reactions/Polymerization

Will not occur.

Hazardous Decomposition Products

None known.

SECTION 11) TOXICOLOGICAL INFORMATION

Skin Corrosion/Irritation

May cause skin irritation.

Likely Route of Exposure

Inhalation, ingestion, skin absorption.

Serious Eye Damage/Irritation

Causes serious eye irritation.

Carcinogenicity

No data available.

Germ Cell Mutagenicity

No data available.

Reproductive Toxicity

No data available.

Respiratory/Skin Sensitization

No data available.

Specific Target Organ Toxicity - Single Exposure

No data available.

Specific Target Organ Toxicity - Repeated Exposure

No data available.

Aspiration Hazard

No data available.

Acute Toxicity

0000064-17-5 ETHYL ALCOHOL

Inhalation can irritate the nose, throat and lungs.

Potential Health Effects - Miscellaneous

0000064-17-5 ETHYL ALCOHOL

The following medical conditions may be aggravated by exposure: liver disease. Tests in some laboratory animals indicate this compound may have embryotoxic activity. Tests in animals demonstrate reproductive toxicity. Ingestion may cause any of the following: stupor (central nervous system depression), gastrointestinal irritation. If absorbed through the skin, may be: harmful.

Miscellaneous Health Effects

May cause redness and tearing of the eyes. Prolonged contact may cause redness and irritation.

0000064-17-5 ETHYL ALCOHOL

LC50 (mouse): Approximately 21000 ppm (4-hour exposure); cited as 39 g/m3 (4-hour exposure) (1, unconfirmed)

LD50 (oral, rat): 7060 mg/kg (41); 10600 mg/kg (41); 13660 mg/kg (37)

LD50 (oral, mouse): 3450 mg/kg (1, unconfirmed)

LD50 (oral, guinea pig): 5560 mg/kg (37)

0007722-84-1 HYDROGEN PEROXIDE

LC50 (rat): 2000 mg/m3 (4-hour exposure; whole body exposure) (concentration not specified) (3) NOTE: This value is not considered reliable since a whole body exposure was used and the study was poorly reported.

LD50 (oral, male rat): 1193 mg/kg (35% solution) (4, unconfirmed)

LD50 (oral, female rat): 801 mg/kg (60% solution) (4, unconfirmed)

LD50 (oral, male rat): 75 mg/kg (70% solution) (4, unconfirmed)

LD50 (oral, mouse): 2000 mg/kg (90% solution) (4, 12, unconfirmed)

LD50 (dermal, rabbit): approximately 690 mg/kg (90% solution) (4, unconfirmed)

LD50 (oral, male rat): 1517 mg/kg (9.6% solution) (4, 12)

SECTION 12) ECOLOGICAL INFORMATION

Toxicity

No data available.

Persistence and Degradability

No data available.

Bio-Accumulative Potential

No data available.

Mobility in Soil

No data available.

Other Adverse Effects

No data available.

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal

Under RCRA, it is the responsibility of the user of the product, to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws. Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

SECTION 14) TRANSPORT INFORMATION

	U.S. DOT Information	IMDG Information	IATA Information
UN number:	UN1170	UN1170	UN1170
Proper shipping name:	Ethanol solutions	Ethanol solutions	Ethanol solutions
Hazard class:	3	3	3
Packaging group:	II	II	II
Hazardous substance (RQ):	No Data Available		
Marine Pollutant:	No Data Available	No Data Available	
Note / Special Provision:	24, IB2, T4, TP1	144	A180, A3, A58
Toxic-Inhalation Hazard:	No Data Available		

SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0000064-17-5	ETHYL ALCOHOL	60% - 80%	SARA312,VOC,TSCA,ACGIH,OSHA
0007722-84-1	HYDROGEN PEROXIDE	Trace	SARA312,TSCA,ACGIH,OSHA

SECTION 16) OTHER INFORMATION

Glossary

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

KEEP AWAY FROM CHILDREN

FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY

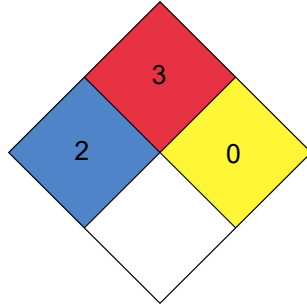
FOR USE BY TRAINED PERSONNEL ONLY

KEEP CONTAINER CLOSED DURING

HMIS

Health	1 / 2
Flammability	3
Physical Hazard	0
Personal Protection	NA

NFPA



(*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks

Version 2.0:

Revision Date: Jul 07, 2020

DISCLAIMER

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.