Ultra Guard

Hand Sanitizer 80%

Safety Data Sheet, Ultra Guard , Revision Date: 03/27/2020

SECTION 1: IDENTIFICATION

Product Identifier:

Product Form: Mixture
Product Name: Hand Sanitizer 80%
Synonyms: Hand sanitizer, hand cleanser
Recommended Use: As a topical to kill germs on the hand. Used in cosmetics for external use, or as a disinfectant, general product for external use.
Restrictions on Use: Not applicable
Supplier:
Ultra Guard
17835 Sky Park Circle Ste C
Irvine, CA 92614USA
Contact Phone #: 800-279-1455
Emergency Phone #: 800-279-1455

SECTION 2: HAZARDS IDENTIFICATION

GHS Pictorial labeling element:

GHS-US Signal Word:	Warning and Flammable Category 3, Eye Irritant Category 2A	
GHS-US Hazard Stmt:	**H226**	Harmful if swallowed. Causes sever skin burns and eye damage
	H319	Cause serious eye damage.
	H315 + H320	Causes Skin and Eye Irritation
GHS-US Precautionary:	**P102**	Keep out of reach of children
	P103	Read Label before use
	P210	Keep away from open flames, sparks, hot surfaces. No smoking
	P233	Keep container tightly closed
	P242	Use only non-sparking tools

P243	Take precautionary measures against static discharge
P260	Do not breathe vapors.
P264	Wash hands, forearms, and exposed areas thoroughly after handling
P273	Avoid release to the environment
P280	Wear protective clothing, protective gloves, face protection, and eye protection
P330	If swallowed, rinse mouth with water
P331	Do not induce vomiting
P303+P361+P353	IF ON SKIN OR HAIR: take off immediately all contaminated clothing. Rinse skin with water.
P305+P351+P338	If in eyes, rinse cautiously with water for several minutes. Remove contact lenses**,** if present and easy to do, continue rinsing.
P370+P378	In case of fire, use alcohol resistant foam, carbon dioxide (CO2), dry extinguishing powder, water to extinguish
P403+P235	Store in a well-ventilated place and keep cool
P337+P313	If eye irritation persists, get medical attention
P501	Dispose of contents accordingly to state, local, state, and federal guideline

This is not a comprehensive list.

SECTION 3: COMPOSITION & INFORMATION ON INGREDIENTS

Chemical Name: Mixture

Common Name: Mixture

Name	CAS #	EC#	% Volume
Deionized Water	7732-15-5	231-791-2	18-20%
Ethanol	64-17-5	200-578-6	78-80%
Glycerol	56-81-5	200-289-5	2%
Hydrogen Peroxide	7722-84-1	231-765-0	<1%
Denatonium Benzoate	3734-33-6	223-095-2	<0.1%
Tert-Butyl Alcohol	75-65-0	200-889-7	<0.1%

SECTION 4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

GENERAL:	• Never give anything by mouth to an unconscious person • If you feel unwell, seek medical advice
INHALATION:	• Remove person to fresh air • Artificial respiration should be given if breathing has stopped and cardiopulmonary resuscitation if heart has stopped • Administer oxygen if necessary • Seek medical attention immediately
SKIN CONTACT:	• Flush contaminated area with water for at least 20 minutes • Rinse immediately with water • Remove contaminated clothing • Seek medical attention from poison control immediately • Completely decontaminate clothing before reusing
EYE CONTACT:	• Immediately wash eyes with water for 20 minutes holding eyelids open • Remove contact lenses, If present and easy to do so, continue rinsing • Seek medical attention immediately
INGESTION:	• Never give anything by mouth is victim is unconscious • Rinse mouth out with water • Do not induce vomiting • If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration • Drink at least 8floz of water to help dilute material in stomach • Avoid excess ingestion of fluids • Seek medical attention immediately

DESCRIPTIONS OF SYMPTONS AND EFFECT BOTH ACUTE AND DELAYED

GENERAL:	• Eye Irritation • Burning pain and severe corrosive to skin damage • Provide general supportive measures and treat symptomatically
INHALATION:	• May cause respiratory irritation
SKIN CONTACT:	• Prolonged skin contact may cause dermatitis and defatting
EYE CONTACT:	• Serious eye damage, may cause redness, swelling, itching, burning, tearing, and blur
INGESTION:	• May be harmful if ingested

Always seek medical attention if you feel unwell wherever possible.

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA	• Use alcohol resistant foam • Carbon dioxide • Dry chemical media • Fog • Do Not Use heavy water stream
UNUSUAL FIRE AND EXPLOSION HAZARD	• During fire, gases may be hazardous to health • Do Not Use heavy water stream • Vapors may cause explosive mixture with air
SPECIAL FIRE-FIGHTING PROCEDURES	• Use caution with fighting any chemical fire • Isolate immediate hazard area and keep unauthorized personnel out of area • Move containers away from fire, if possible • Use water spray to cool fire exposed container and structures • Use water spray to disperse vapors • Use self-contained breathing apparatus and protective clothing

SECTION 6: ACCIDENTAL RELEASE MEASURES

GENERAL:	• Use special care to avoid static charges • Remove all sparking agents and heat sources • Use protective equipment • No smoking near product • Avoid all eye and skin contact • Do not breathe open mist or vapor
SPILL:	• Contain spilled material • Provide adequate ventilation • Provide adequate protective equipment and clothing for first responders • Spill should be collected in suitable container or absorbed on a suitable absorbent material for subsequent disposal • Any such container use of absorbent material used should be disposed or properly in a sealed container • Prevent spills from entering sewer system • Only use non-sparking materials and equipment
EMERGENCY RESPONSE:	• Use appropriate PPE • Evacuate unnecessary personnel • Recognize the presence of dangerous goods • Secure the area • Call for trained personnel able to handle dangerous goods
ENVIRONMENTAL PRECAUTION:	• Prevent entry into sewer systems and public water ways • Notify authorities if material enters sewer systems
WASTE DISPOSAL:	• Waste material should be disposed of in an approved incinerator or in designated land fill site, in compliance with local, state and federal laws • Suppress gases/vapors/mists with water spray jets

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:	• Handle empty containers with care because to any residual vapors or residue • Handle in accordance of good industrial chemical hygiene • Wash hands and other exposed areas with mild soap and water after handling product • Keep away from open flames and sparks or heat sources • Always keep storage containers closed and sealed when not in use • Use in area with adequate ventilation • Always use protective gear with handling • Do not openly breathe vapors from product • Avoid contact with skin and eyes • Wash exposed areas thoroughly • Proper grounding procedures are required to avoid static electricity • Store in cool dry place, temperatures below 100°F • Incompatible with strong oxidizers, acids, bases, salts, acid chlorides, alkali metals, metal hydrides, and hydrazine
MATERIALS TO AVOID:	• Oxidizing agents • Organic peroxides • Flammable solids • Pyrophoric liquids • Pyrophoric solids • Self-heating substances and mixtures • Explosives • Gases
GENERAL:	See 27 CFR 20.112 for more detailed information

SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

RESPIRATORY EQUIPMENT:	• General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits • Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn • Follow OSHA respirator regulations (29 CFR 1910.134) • Use positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure level is unknown, or any other circumstance where air purifying respirators may not provide adequate protection • Up to 1000ppm, an approved vapor cartridge respirator can be used • For concentrations above 1000ppm, an air supply respirator is recommended • Should consult a respirator guide
VENTILIATION:	• Area should be well ventilated • Ventilation system should be non-sparking, grounded and separate from exhaust systems • Local ventilation is recommended when handling • Gas detectors should be used when flammable gases/vapors may be released
EYE PROTECTION:	• Chemical resistant mono-goggles when handling
PROTECTIVE GLOVES:	• Neoprene, butyl or natural rubber form glove material • Impervious gloves, flame retardant

	• Chemical resistance gloves • Change gloves often • For special applications, we recommend clarifying the resistance to chemical of the protective gloves with the glove manufacturer • Always wash hands
HYGIENE MEASURES:	• Ensure that eye flushing systems and safety showers are located closed to the working place • When using, do not eat, drink or smoke • Wash contaminated clothing before re-use
OTHER:	• Select appropriate clothing based on chemical resistance data and an assessment of the local exposure • Wear the following personal protective equipment: flame retardant antistatic protective clothing • Skin contact must be avoided by using impervious protective clothing • Eye bath, safety shower, and other protective equipment as required • Full fire protective clothing is recommended • Do not eat, drink or smoke when handling product

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear, colorless
ODOR:	Typical ethanol/lower alcohol odor
ODOR THRESHOLD:	Not Available
pH:	6.5-8.5
PHYSICAL STATE:	Liquid
EVAPORATION RATE:	Not Available
MELTING POINT:	Not available
FREEZING POINT:	-115°C
FLASH POINT:	> 25.0°C
BOILING POINT RANGE:	~ 70°C
AUTO IGNITION TEMP:	~ 370°C
DECOMPOSTION TEMP:	Not Available
LOWER FLAMMABLE LIMIT:	Not Applicable

UPPER FLAMMABLE LIMIT:	Not Applicable
VAPOR PRESSURE:	Not Available
VAPOR DENSITY:	Not Available
RELATIVE DENSITY:	0.8750 g/cm3
SPECIFIC GRAVITY:	0.8-1.0 @20°C
SOLUABLITY:	Complete
SOLUABILTY IN OIL-COEFFICIENT OF WATER:	Separates from Oil
PARTITION COEFFICIENT: N-OCTANOL/WATER	~ 0.032
VISCOSITY:	~ 7,000cp-15,000cp@20°C
% VOLATILE BY VOLUME:	Not Available

SECTION 10: STABILITY & REACTIVITY

CHEMICAL STABILITY/REACTIVITY:	Stable and non-reactive at standard temperature and pressure
CONDITIONS TO AVOID:	Open flames, sparks, heat sources and hot surfaces
POSSIBILITY OF HAZARDOUS REACTIONS:	Oxidizers
HAZARDOUS COMBUSTION:	Hazardous decomposition products formed under fire conditions. Carbon oxides
HAZARDOUS POLYMERIZATION:	Will occur.

SECTION 11: TOXICOLOGICAL INFORMATION

INGESTION:	• May cause dizziness, faintness, drowsiness, decreased sensitivity, decrease awareness, abdominal discomfort, vomiting, nausea, lack of coordination • May cause digestive tract burns
SKIN ABSORPTION:	• Can cause skin burns • Harmful amounts of material may be absorbed across abraded skin through prolonged contact
INHALATION:	• At concentrations which cause irritations, dizziness, faintness, drowsiness, nausea, and vomiting may occur
SKIN CONTACT:	• Serious eye damage • Repeated or prolonged exposure may lead to dermatitis, scaling or erythema
EYE CONTACT:	• Severe eye irritant • Vapors can irritate eyes • Eye damage from contact with liquid is reversible with proper treatment • Damage to eyes are mild to moderate conjunctivitis, seen as redness
EFFECTS OF LONG-TERM EXPOSURE:	• Prolonged exposure to skin may result in burning skin and corrosive skin damage. Can cause serious eye damage.
MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:	• May cause eye blindness over repeated exposure
OTHER REPRODUCTIVE TOXICITY OF ETHANOL:	• Has been identified in studies as a development toxicant when consumed as a beverage during pregnancy
OTHER:	• It has no confirmed teratogenic, mutagenic, or reproductive effects in humans • No data available to designate product as an aspiration hazard or cause specific organ toxicity through repeated exposure

SECTION 12: ECOLOGICAL INFORMATION

Ethanol (CAS 64-17-5)

ACUTE FISH TOXICITY:	LC50/96hr (Fathead minnow) : >1000mg/l
ACUTE ALGAE TOXICITY:	EC50/72hr Fresh water algae : >275mg/l
ACUTE BACTERIA TOXICITY:	EC50/.25hr phtobacterium 32.1mg/l
PERSISTENCE & BIOGRADABILITY:	Biodegradation is expected
BIOACCUMULATIVE POTENTIAL:	Bioaccumulation is unlikely
OTHER ADVERSE EFFECTS:	Not Available

Glycerol (56-81-5)

ACUTE FISH TOXICITY:	This product is safe of the environment at the concentrations predicted under normal use conditions.
PERSISTENCE & BIOGRADABILITY:	No data available
BIOACCUMULATIVE POTENTIAL:	Bioaccumulation is unlikely
OTHER ADVERSE EFFECTS:	No data available

Citric Acid (77-92-9)

ACUTE FISH TOXICITY:	This product is safe of the environment at the concentrations predicted under normal use conditions.
PERSISTENCE & BIOGRADABILITY:	No data available
BIOACCUMULATIVE POTENTIAL:	No Bioaccumulation
OTHER ADVERSE EFFECTS:	No Data Available

Hydrogen Peroxide (7722-84-1)

ACUTE TOXICITY:	This product is safe of the environment at the concentrations predicted under normal use conditions.
PERSISTENCE & BIOGRADABILITY:	No data available
BIOACCUMULATIVE POTENTIAL:	No Bioaccumulation
OTHER ADVERSE EFFECTS:	No Data Available

Denatonium Benzoate Ecotoxicity (CAS 3734-33-6)

ACUTE FISH TOXICITY:	LC50/96 hour Rainbow trout >1,000 mg/l
PERSISTENCE & BIOGRADABILITY:	No data available
BIOACCUMULATIVE POTENTIAL:	Bioaccumulation is unlikely
OTHER ADVERS EFFECTS:	No data available

Tertiary Butyl Alcohol Ecotoxicity (CAS 75-65-0)

ACUTE FISH TOXICITY:	LC50/96 hour Pimephales promelas (fathead minnow) 6,140 mg/l
TOXCITY TO AQUATIC PLANTS:	Growth inhibition/96 hour Chlorella vulgaris (Fresh water algae) 1,000 mg/l
PERSISTENCE & BIOGRADABILITY:	Zahn-wellness Test Results: > 99.9% Readily biodegradable
BIOACCUMULATIVE POTENTIAL:	No Bioaccumulation
OTHER ADVERS EFFECTS:	No Data Available

SECTION 13: DISPOSAL CONSIDERATIONS

SPILL:	• Contain spilled materials • Provide adequate ventilation • Remove all sources of heat or flames or ignition • Always wear protective gear • Spill should be collected in suitable containers for absorbed on a suitable absorbent material
WASTE DISPOSAL:	• Collect and reclaim or dispose in sealed containers • Dispose of waste material in accordance with local, state, and federal regulations • Dispose in designated land fill site in accordance with local, state, and federal regulations • Waste material should be disposed of in an approved incinerator

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT

PROPER SHIPPING NAME:	Ethanol Solutions
HAZARD CLASS:	3
IDENTIFICATION NUMBER:	UN1170
LABEL CODES:	3
PACKING GROUP:	III
ERG NUMBER:	Not classified as dangerous goods

In Accordance with IMDG

PROPER SHIPPING NAME:	Ethanol Solutions
HAZARD CLASS:	3
IDENTIFICATION NUMBER:	UN1170
LABEL CODES:	3
PACKING GROUP:	Not classified as dangerous goods

In Accordance with IATA

PROPER SHIPPING NAME:	Ethanol Solutions
HAZARD CLASS:	3
IDENTIFICATION NUMBER:	UN1170
LABEL CODES:	3
PACKING GROUP:	III
ERG CODE (IATA):	Not classified as dangerous goods

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

Hand Sanitizer 80%

This product is not considered a hazardous material as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

SARA SECTION 304 EMERGENCY RELEASE NOTIFICATION:	• Not Regulated
SARA SECTION 302 EXTREMELY HAZARDOUS SUBSTANCE	• Not Listed
SARA SECTION 311/312 HAZARDOUS	• Fire Hazard
SARA SECTION 313 (TRI REPORTING)	• Not Regulated
TSCA SECTION 12(B) EXPORT NOTIFICATION:	• Not Listed
CERCLA HAZARDOUS SUBSTANCES LIST (40 CFR 707, SUBPT.D)	• Not Regulated
OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910,1001-1050)	• Not Listed
SUPERFUND AMENDMENTS & REAUTHORIZATION ACT OF 1986 (SARA)	• Hazard categories - not immediately hazardous • Delayed Hazard - no • Fire Hazard – yes • Pressure Hazzard – no • Reactivity Hazard - yes
CLEAN AIR ACT (CAA) SECTION 112 HAZARDOUS AIR POLLUTANTS (HAPS)	• Not Listed
CLEAN AIR ACT (CAA) SECTION 112(R) ACCIDENTAL RELEASE PREVENTION (40 CFR 68.130)	• Not Regulated
SAFE DRINKING WATER ACT (SDWA)	• Not Regulated

US State Regulations

Hand Sanitizer 80%

CALIFORNIA: PROP 65 – CARCINOGENS:	WARNING: This product contains chemicals known to the state of California to cause cancer.
CALIFORNIA: PROP 65 – DEVELOPMENTAL TOXICITY:	WARNING: This product contains chemicals known to the state of California to cause birth defects.
MASSACHUSETTS:	Right to Know – Not Regulated
NEW JERSEY:	Right to Know Hazardous Substance List – Not Listed
PENNSLYVANIA:	RTK: Right to Know List – Not Listed
RHODE ISLAND:	RTK: Right to Know List- Not Listed

SECTION 16: OTHER INFORMATION

Prepared By: Ultra Guard

Phone Number: 800-279-1455

Revision Number: 01

Revision Date: 03/27/20

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Ultra Guard urges any consumer that encounters this product to read this SDS thoroughly before handling this material to educate and make aware the hazards involved in handling this material. The reader should consider consulting reference documents or individuals knowledgeable in handling such materials.

To promote safe handling of this product, the information above is believed to be accurate and represents the best information currently available to Ultra Guard makes no warranties expressed or implied, with respect to such information, and assumes no liability resulting from its use. In no way shall Ultra Guard be liable for any claims, losses, or damages of any third party for lost profits or any special interest, indirect or direct or incidental or consequential or exemplary damages even is Ultra Guard has been advised of the possibility of such damages.