

# SAFETY DATA SHEET

Date Issued : 08/19/2020

SDS No : AIHS

## ADVANCED INSTANT HAND SANITIZER

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** ADVANCED INSTANT HAND SANITIZER

**GENERAL USE:** Hand sanitizer to help reduce bacteria.

**PRODUCT DESCRIPTION:** Instant Hand Sanitizer

**CHEMICAL FAMILY:** Alcohol

#### MANUFACTURER

MISCO Products Corporation

1048 Stinson Drive

Reading, PA 19605

**Emergency Phone:** 610-926-4106

**Customer Service:** 800-548-4568

**Transportation:** 800-548-4568

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEM-TEL (Medical and Transportation):** 800-255-3924

**POISON CONTROL CENTER (Medical):** 800-222-1222

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Health:

Eye Irritation, Category 2A

Acute Toxicity (Inhalation), Category 4

Acute Toxicity (Oral), Category 4

##### Environmental:

Not classified

##### Physical:

Flammable Liquids, Category 2

#### GHS LABEL



Flame



Exclamation  
mark

**SIGNAL WORD:** DANGER

#### HAZARD STATEMENTS

H319: Causes serious eye irritation.

H225: Highly flammable liquid and vapour.

H332: Harmful if inhaled.

H302: Harmful if swallowed.

#### PRECAUTIONARY STATEMENT(S)

##### Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P261: Avoid breathing fume, gas, mist, vapors, or spray.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233: Keep container tightly closed.

P240: Ground and bond container and receiving equipment.

P241: Use explosion-proof electrical, ventilating, lighting equipment.

P242: Use non-sparking tools.

P243: Take action to prevent static discharges.

P102: Keep out of reach of children.

##### Response:

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P311: Call a POISON CENTER or doctor/physician.

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 advice/attention.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P370+P378: In case of fire: Use dry chemical, foam or water mist to extinguish.

**Storage:**

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Disposal:**

P501: Dispose of contents/container according to all local, state and Federal regulations.

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Clear Liquid

**IMMEDIATE CONCERNS:** Eye irritant

**POTENTIAL HEALTH EFFECTS**

**EYES:** Contact causes eye irritation.

**SKIN:** May be mildly irritating with prolonged or repeated contact.

**SKIN ABSORPTION:** No known significant effects or critical hazards.

**INGESTION:** Although of moderate to low toxicity, ingestion of large amounts can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

**INHALATION:** High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches)

**REPRODUCTIVE TOXICITY**

**REPRODUCTIVE EFFECTS:** No known significant effects or critical hazards.

**TERATOGENIC EFFECTS:** No known significant effects or critical hazards.

**CARCINOGENICITY:** No known significant effects or critical hazards.

**MUTAGENICITY:** No known significant effects or critical hazards.

**ROUTES OF ENTRY:** Eye, Inhalation

**TARGET ORGAN STATEMENT:** Not Established

**CANCER STATEMENT:** None

**SENSITIZATION:** No known significant effects or critical hazards.

**WARNING CAUTION LABELS:** Irritant

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
Ethyl alcohol	65	64-17-5

**COMMENTS:** Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with current regulations.

**4. FIRST AID MEASURES**

**EYES:** Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

**SKIN:** Rinse with plenty of water.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**INHALATION:** Remove victim to fresh air and monitor. Seek medical advise if irritation persists.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Severe burning sensation, tearing, redness, swelling.

**SKIN:** No known significant effects or critical hazards.

**SKIN ABSORPTION:** No known significant effects or critical hazards.

**INGESTION:** Stomach upset, vomiting.

**INHALATION:** Headache, dizziness, nausea.

**ACUTE EFFECTS:** Severely irritating to eyes.

**CHRONIC EFFECTS:** No known significant effects or critical hazards.

**NOTES TO PHYSICIAN:** Not Available

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE CLASS:** IB (<73F, BP >100F)

**GENERAL HAZARD:** Flammable liquid and vapors

**EXTINGUISHING MEDIA:** Use Dry chemical, carbon dioxide, or water spray when fighting fires involving this material.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide from combustion

**EXPLOSION HAZARDS:** Fire exposed containers may burst due to increased pressure from heat.

**FIRE FIGHTING PROCEDURES:** Use an extinguishing agent suitable for surrounding fire.

**FIRE FIGHTING EQUIPMENT:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode.

**SENSITIVE TO STATIC DISCHARGE:** Yes

**SENSITIVITY TO IMPACT:** No

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not Established

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Avoid runoff into storm sewers and ditches which lead to waterways.

**LARGE SPILL:** Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Avoid discharges into open waterways.

**LAND SPILL:** Avoid discharge to soil.

**AIR SPILL:** NA = Not Applicable

**GENERAL PROCEDURES:** Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other non-combustible material and transfer to containers.

**RELEASE NOTES:** Eliminate all ignition sources. Ventilate area well.

**SPECIAL PROTECTIVE EQUIPMENT:** Eye protection, rubber gloves, rubber boots to protect feet.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Close container after use.

**HANDLING:** Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

**STORAGE:** Store in closed container away from heat, spark or open flame.

**STORAGE TEMPERATURE:** (60°F) Minimum to (90°F) Maximum

**Notes:** Keep from freezing.

**STORAGE PRESSURE:** Store at ambient atmospheric pressure.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m <sup>3</sup>
Ethyl alcohol	OSHA PEL	TWA	1000	1900
	ACGIH TLV	TWA	1000	1884

**ENGINEERING CONTROLS:** Use in well ventilated area.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety glasses with side shields.

**SKIN:** Rubber or other chemical resistant gloves.

**RESPIRATORY:** A respirator is not needed under normal and intended conditions of product use.

**WORK HYGIENIC PRACTICES:** Wash with soap and water after handling. Do not eat, drink or smoke while using product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** High viscosity gel

**ODOR:** Solvent, characteristic

**ODOR THRESHOLD:** Not Established

**COLOR:** Colorless

**pH:** Not Available

**PERCENT VOLATILE:** >98

**FLASH POINT AND METHOD:** 15.6°C (60°F) Tag Closed Cup (TCC)

**FLAMMABLE LIMITS:** 2.5 to 12

**AUTOIGNITION TEMPERATURE:** Not Established

**VAPOR PRESSURE:** Not Available

**VAPOR DENSITY:** Not Available

**BOILING POINT:** 78.7°C (174°F)

**FREEZING POINT:** -114°C (-173°F)

**THERMAL DECOMPOSITION:** Not Available

**SOLUBILITY IN WATER:** Complete

**EVAPORATION RATE:** (Water =1) <1.0

**DENSITY:** 7.43 at 20°C (68°F)

**SPECIFIC GRAVITY:** ~ 0.89 grams/ml. at 20°C (68°F)

**VISCOSITY:** Viscous

**(VOC):** 65 % by weight

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**STABILITY:** Stable under normal storage and use conditions.

**CONDITIONS TO AVOID:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**INCOMPATIBLE MATERIALS:** Strong acids, oxidizers.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Ethyl alcohol	10400 mg/kg (rat)	15800 mg/kg (rabbit)	30000 mg/l (rat)

**DERMAL LD<sub>50</sub>:** Not Available

**ORAL LD<sub>50</sub>:** ~ 6200 mg/kg Male and Female rats.

**INHALATION LC<sub>50</sub>:** Not Available

**SKIN CORROSION/IRRITATION:** No known significant effects or critical hazards.

**SERIOUS EYE DAMAGE/IRRITATION:** Serious eye irritant.

**RESPIRATORY OR SKIN SENSITISATION:** No known significant effects or critical hazards.

**GERM CELL MUTAGENICITY:** No known significant effects or critical hazards.

### CARCINOGENICITY

**IARC:** No listed substance

**REPRODUCTIVE TOXICITY:** No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** No known significant effects or critical hazards.

**ECOTOXICOLOGICAL INFORMATION:** Not Available

**AQUATIC TOXICITY (ACUTE):** No known significant effects or critical hazards.

**96-HOUR LC<sub>50</sub>:** Not Established

**96-HOUR EC<sub>50</sub>:** Not Established

**Notes:** Not Established

**CHEMICAL FATE INFORMATION:** This product is biodegradable.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. If discarded, this material and its containers should be treated as hazardous waste based on the characteristics of ignitability as defined under federal RCRA regulations (40 CFR 261). Consult local authorities for disposal into public sewer.

**FOR LARGE SPILLS:** Consult with local and state authorities for large volume disposal.

**PRODUCT DISPOSAL:** Any method in accordance with local, state, and federal laws. Best method is to recycle or reuse for intended purpose.

**EMPTY CONTAINER:** Rinse container with clear water. Offer container for recycling, or dispose of in trash.

**RCRA/EPA WASTE INFORMATION:** Hazardous Waste

**RCRA HAZARD CLASS:** Ignitability

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Alcohols, n.o.s.

**TECHNICAL NAME:** Ethanol Solution

**PRIMARY HAZARD CLASS/DIVISION:** 3

**UN/NA NUMBER:** UN1987

**PACKING GROUP:** II

**PLACARDS:** Flammable

**LABEL:** Certain package sizes determine the proper labeling of containers. Consult manufacturer for specific information regarding proper labeling.

**OTHER SHIPPING INFORMATION:** Certain shipping modes and packaging sizes may have exceptions from the transport regulations. The classifications/information provided above may not reflect applicable exceptions. Contact the manufacturer for more specific information on the proper shipping of this material.

**SPECIAL SHIPPING NOTES:** None

### AIR (ICAO/IATA)

**SHIPPING NAME:** Alcohols, n.o.s.

**TECHNICAL NAME:** Ethanol Solution

UN/NA NUMBER: 1987  
PRIMARY HAZARD CLASS/DIVISION: 3  
PACKING GROUP: II

**VESSEL (IMO/IMDG)**

SHIPPING NAME: Alcohols, n.o.s.  
TECHNICAL NAME: Ethanol Solution  
UN/NA NUMBER: 1987  
PRIMARY HAZARD CLASS/DIVISION: 3  
PACKING GROUP: II  
EmS: F-E, S-D  
MARINE POLLUTANT #1: No  
PLACARDS: Flammable  
LABEL: Flammable

**15. REGULATORY INFORMATION**

**UNITED STATES**

**DOT LABEL SYMBOL AND HAZARD CLASSIFICATION**



Flammable  
Liquid



Limited  
Quantity  
Ground

R11 : Highly flammable.  
R20 : Harmful by inhalation.

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

311/312 HEALTH HAZARDS: Acute Toxicity (Inhalation), Health - Acute

311/312 PHYSICAL HAZARDS: Flammable Liquids

313 REPORTABLE INGREDIENTS: No listed substance

**302/304 EMERGENCY PLANNING**

EMERGENCY PLAN: No listed substance

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

TSCA REGULATORY: All ingredients are listed on the TSCA Chemical Inventory.

**CLEAN AIR ACT**

40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION: No listed substance

CLEAN AIR ACT (HAZARDOUS AIR POLLUTANTS): No listed substance

CALIFORNIA PROPOSITION 65: No listed substance

RCRA STATUS: Not Established

CLEAN WATER ACT: No listed substance

CARCINOGEN: No listed substance

FDA (FOOD AND DRUG ADMINISTRATION): Yes

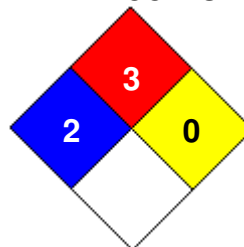
**16. OTHER INFORMATION**

Date Prepared: 08/19/2020

**HMIS RATING**

HEALTH	<input type="checkbox"/>	3
FLAMMABILITY	<input type="checkbox"/>	3
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	C

**NFPA CODES**



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