# SAFETY DATA SHEET

Issuing Date 03-Jun-2020

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# **Revision Number** 1

NGHS / English



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	1. IDENTIFICATION
Product identifier	
Product Name	First Aid Only Hand Sanitizer, 91190
Other means of identification	
Product Code(s)	1586911
Recommended use of the chemic	al and restrictions on use
Recommended Use	Hand sanitizer
Restrictions on use	No information available
Details of the supplier of the safet	ty data sheet
Supplier Identification	Acme United Corp.
Address	55 Walls Drive Suite 201 Fairfield Connecticut 06824 United States
Telephone	Phone:203 254 6060 Fax:203-254-6019
E-mail	customerservice@acmeunited.com
Emergency telephone number	
Company Emergency Phone Number	800-835-2263
	2 HAZARDS IDENTIFICATION

# 2. HAZARDS IDENTIFICATION

Classification



Specific target organ toxicity (single exposure)	Category 1
Specific target organ toxicity (repeated exposure)	Category 1
Flammable liquids	Category 2

Appearance Clear

Physical state Gel Liquid

Odor Alcohol

GHS Label elements, including precautionary statements

Danger

Hazard statements

Causes damage to organs Causes damage to organs through prolonged or repeated exposure Highly flammable liquid and vapor



# **Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking Keep container tightly closed Ground/bond container and receiving equipment Use explosion-proof electrical/ventilating/lighting/equipment Use only non-sparking tools Take precautionary measures against static discharge Wear protective gloves/eye protection/face protection **Precautionary Statements - Response** IF exposed: Call a POISON CENTER or doctor Specific treatment (see supplemental first aid instructions on this label) Skin IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower Fire In case of fire: Use CO2, dry chemical, or foam to extinguish **Precautionary Statements - Storage** Store locked up

Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal** Dispose of contents/container to an approved waste disposal plant

### Other information

Causes mild skin irritation. Toxic to aquatic life.

Unknown acute toxicity

73 % of the mixture consists of ingredient(s) of unknown toxicity



0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
72 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
73 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
73 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

3 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

# **3. COMPOSITION/INFORMATION ON INGREDIENTS**

# Substance

Not applicable.

# Mixture

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Ethyl alcohol	64-17-5	70	-	-
Glycerol	56-81-5	5	-	-
Triethanolamine	102-71-6	1	-	-
Propylene glycol	57-55-6	1	-	-
Poly(acrylic acid)	9003-01-4	1	-	-

# 4. FIRST AID MEASURES

# Description of first aid measures

General advice Inhalation	Show this safety data sheet to the doctor in attendance. Remove to fresh air. IF exposed or concerned: Get medical advice/attention.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. If symptoms persist, call a physician.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.
Ingestion	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information.
Most important symptoms and effe	cts, both acute and delayed
Symptoms	No information available.
Indication of any immediate medica	al attention and special treatment needed
Note to physicians	Treat symptomatically.

# **5. FIRE-FIGHTING MEASURES**

Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
Specific hazards arising from the chemical	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.
Hazardous Combustion Products	Carbon oxides.
Explosion Data Sensitivity to Mechanical Impac Sensitivity to Static Discharge	rt None. Yes.
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	Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. 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. Do not touch or walk through spilled material.
Other Information	Ventilate the area. Refer to protective measures listed in Sections 7 and 8.
Methods and material for containm	ent and cleaning up
Methods for containment	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 spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
Methods for cleaning up	Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

# 7. HANDLING AND STORAGE

# Precautions for safe handling

Advice on safe handling Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good

industrial hygiene and safety practice.

#### Conditions for safe storage, including any incompatibilities

**Storage Conditions** 

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up.

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### **Exposure Limits**

Chemical name		ACGIH T	LV	O	SHA PEL		NIOSH IDLH	
Ethyl alcohol		STEL: 1000 ppm			TWA: 1000 ppm		IDLH: 3300 ppm 10% LEL	
64-17-5					1900 mg/m <sup>3</sup>		TWA: 1000 ppm	
					TWA: 1000 ppm	Т	<sup>-</sup> WA: 1900 mg/m <sup>3</sup>	
				(vacated)	ГWA: 1900 mg/m <sup>3</sup>			
Glycerol		TWA: 10 mg/m	n <sup>3</sup> mist	TWA: 15 n	ng/m <sup>3</sup> mist, total			
56-81-5				pa	articulate			
				TWA: 5 mg/r	m <sup>3</sup> mist, respirable			
					fraction			
				(vacated)	TWA: 10 mg/m <sup>3</sup>			
					otal particulate			
				(vacated) TV	VA: 5 mg/m <sup>3</sup> mist,			
				respir	able fraction			
Triethanolamine		TWA: 5 mg	g/m <sup>3</sup>		-			
102-71-6			-					
Chemical name		Alberta	British C	Columbia	Ontario TWAE	V	Quebec	
Ethyl alcohol	T١	NA: 1000 ppm	STEL: 1	000 ppm	STEL: 1000 pp	m	STEL: 1000 ppm	
64-17-5	ΤV	/A: 1880 mg/m <sup>3</sup>						
Glycerol	T	WA: 10 mg/m <sup>3</sup>	TWA: 1	0 mg/m <sup>3</sup>			TWA: 10 mg/m <sup>3</sup>	
56-81-5		C C	TWA: 3	3 mg/m <sup>3</sup>			°,	
Triethanolamine	Т	WA: 5 mg/m <sup>3</sup>	TWA: 5	5 mg/m <sup>3</sup>	TWA: 0.5 ppn	1 I	TWA: 5 mg/m <sup>3</sup>	
102-71-6		-		-	TWA: 3.1 mg/n		-	
Propylene glycol					TWA: 10 mg/m	1 <sup>3</sup>		
57-55-6					TWA: 50 ppm			
					TWA: 155 mg/r			

#### Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). See section 15 for national exposure control parameters.

Appropriate engineering controls

Showers Eyewash stations Ventilation systems.

# Individual protection measures, such as personal protective equipment

Eye/face protection

**Engineering controls** 

Tight sealing safety goggles.



Hand protection	Wear suitable gloves. Impervious gloves.
Skin and body protection	Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic 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. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties **Physical state** Gel; Liquid Appearance Clear Odor Alcohol No information available Color **Odor Threshold** Not applicable Property Values Remarks Method pН 7 Melting / freezing point No data available None known Boiling point / boiling range 78 °C / 172 °F Flash Point 21 C / 70 F **Evaporation Rate** No data available None known Flammability (solid, gas) No data available None known Flammability Limit in Air None known Upper flammability limit No data available Lower flammability limit No data available Vapor pressure No data available None known Vapor density No data available None known **Relative density** 0.83 Water Solubility Miscible Solubility(ies) No data available None known Partition coefficient: n-octanol/water0 Autoignition temperature No data available None known **Decomposition temperature** No data available None known **Kinematic viscosity** No data available None known Dynamic viscosity No data available None known Other Information **Explosive properties** No information available **Oxidizing properties** No information available **Softening Point** No information available **Molecular Weight** No information available VOC Content (%) No information available Liquid Density No information available **Bulk Density** No information available

# **10. STABILITY AND REACTIVITY**

Reactivity

**Particle Size** 

**Particle Size Distribution** 

No information available.

No information available

No information available



Chemical stability	Stable under normal conditions.	
Possibility of Hazardous Reactions	None under normal processing.	
Hazardous Polymerization	Hazardous polymerization does not occur.	
Conditions to avoid	Heat, flames and sparks.	
Incompatible materials	None known based on information supplied.	
Hazardous Decomposition Products Carbon oxides.		

# **11. TOXICOLOGICAL INFORMATION**

# Information on likely routes of exposure

Product Information				
Inhalation	Specific test data for the s	ubstance or mixture is not availal	ble.	
Eye contact	Specific test data for the s	ubstance or mixture is not availal	ble.	
Skin contact	Specific test data for the s	ubstance or mixture is not availal	ble.	
Ingestion	Specific test data for the s	ubstance or mixture is not availal	ble.	
Symptoms related to the physi	cal, chemical and toxicologica	I characteristics		
Symptoms	No information available.			
Numerical measures of toxicity	<u> </u>			
Acute Toxicity				
The following values are calcul ATEmix (oral) ATEmix (inhalation-dust/mi	9,430.70 mg/kg	he GHS document		
<ul> <li>Unknown acute toxicity</li> <li>0% of the mixture consists of ingredient(s) of unknown acute oral toxicity</li> <li>72% of the mixture consists of ingredient(s) of unknown acute dermal toxicity</li> <li>73% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)</li> <li>73% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)</li> <li>3% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)</li> </ul>				
Component Information				
Chemical name	Oral LD50	Dermal LD50	Inhalation L	
Ethyl alcohol	= 7060 mg/kg (Rat)	-	= 124.7 mg/L (	

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl alcohol	= 7060 mg/kg (Rat)	-	= 124.7 mg/L (Rat)4 h
Glycerol	= 12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 570 mg/m³ (Rat)1 h
Triethanolamine	= 4190 mg/kg (Rat)	> 20000 mg/kg (Rabbit) > 16	-
		mL/kg (Rat)	
Propylene glycol	= 20 g/kg (Rat)	= 20800 mg/kg (Rabbit)	-
Poly(acrylic acid)	= 2500 mg/kg (Rat)	-	= 1.71 mg/L (Rat)4 h



# Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Ethyl alcohol 64-17-5	A3	Group 1	Known	Х
Triethanolamine 102-71-6	-	Group 3	-	-
Poly(acrylic acid) 9003-01-4	-	Group 3	-	-
Legend		•	•	•

Legend ACGIH (American Conference of Governmental Industrial Hygienists) A3 - Animal Carcinogen IARC (International Agency for Research on Cancer) Group 1 - Carcinogenic to Humans Group 3 - Not Classifiable as to Carcinogenicity in Humans NTP (National Toxicology Program) Known - Known Carcinogen OSHA (Occupational Safety and Health Administration of the US Department of Labor) X - Present				
Reproductive toxicity	No information available.			
STOT - single exposure	Based on the classification criteria of the Globally Harmonized System as adopted in the country or region with which this safety data sheet complies, this product has been determined to cause systemic target organ toxicity from acute exposure. (STOT SE). Causes damage to organs.			
STOT - repeated exposure	Causes damage to organs through prolonged or repeated exposure.			
Aspiration hazard	No information available.			

# **12. ECOLOGICAL INFORMATION**

# Ecotoxicity

# Toxic to aquatic life.

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Ethyl alcohol	-	96h LC50: > 100 mg/L (Pimephales promelas) 96h LC50: 12.0 - 16.0 mL/L (Oncorhynchus	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	24h EC50: = 10800 mg/L (Daphnia magna) 48h LC50: 9268 - 14221 mg/L (Daphnia magna)



		mykiss) 96h LC50:		48h EC50: = 2 mg/L
		13400 - 15100 mg/L		(Daphnia magna)
		(Pimephales promelas)		
Glycerol	-	96h LC50: 51 - 57 mL/L	-	24h EC50: > 500 mg/L
		(Oncorhynchus mykiss)		(Daphnia magna)
Triethanolamine	72h EC50: = 216 mg/L	96h LC50: 450 - 1000	-	24h EC50: = 1386 mg/L
	(Desmodesmus	mg/L (Lepomis		(Daphnia magna)
	subspicatus) 96h EC50: =			
	169 mg/L (Desmodesmus			
	subspicatus)	(Pimephales promelas)		
		96h LC50: > 1000 mg/L		
		(Pimephales promelas)		
Propylene glycol	96h EC50: = 19000 mg/L	5	EC50 = 710 mg/L 30 min	24h EC50: > 10000 mg/L
	(Pseudokirchneriella	(Oncorhynchus mykiss)		(Daphnia magna) 48h
	subcapitata)	96h LC50: 41 - 47 mL/L		EC50: > 1000 mg/L
		(Oncorhynchus mykiss)		(Daphnia magna)
		96h LC50: = 51400 mg/L		
		(Pimephales promelas)		
		96h LC50: = 710 mg/L		
		(Pimephales promelas)		
Poly(acrylic acid)	-	96h LC50: = 580 mg/L	-	96h EC50: = 168 mg/L
		(Lepomis macrochirus)		(water flea)

# Persistence and Degradability

No information available.

.

**Bioaccumulation** 

### **Component Information**

Chemical name	Log Pow
Ethyl alcohol	-0.32
Glycerol	-1.76
Triethanolamine	-2.53

Mobility

No information available.

Other adverse effects

No information available.

# **13. DISPOSAL CONSIDERATIONS**

Waste treatment methods	
Waste from residues/unused products	Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Empty containers pose a potential fire and explosion hazard. Do not cut, puncture of weld containers.
US EPA Waste Number	D001
California Waste Codes	311

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical name	California Hazardous Waste



Ethyl alcoh		Tavia	
64-17-5	UI	Toxic Ignitable	
	14 TRANSPORT		
DOT Proper Shipping Name Hazard Class Emergency Response Guide Number	NOT REGULATED NON-REGULATED N/A 127		
TDG UN-No. Proper Shipping Name Hazard Class Packing Group Description	UN1170 ETHANOL SOLUTION 3 II UN1170, ETHANOL SOLU	JTION, 3, II	
MEX UN-No. Proper Shipping Name Hazard Class Packing Group Description	UN1170 ETHANOL SOLUTION 3 II UN1170, ETHANOL SOLU	JTION, 3, II	
ICAO UN-No. Proper Shipping Name Hazard Class Packing Group Description	UN1170 ETHANOL SOLUTION 3 II UN1170, ETHANOL SOLU	JTION, 3, II	
IATA UN-No. Proper Shipping Name Hazard Class Packing Group ERG Code Description	UN1170 ETHANOL SOLUTION 3 II 3L UN1170, ETHANOL SOLU	JTION, 3, II	
IMDG/IMO UN-No. Proper Shipping Name Hazard Class Packing Group EmS-No. Description	UN1170 ETHANOL SOLUTION 3 II F-E, S-D UN1170, ETHANOL SOLU	JTION, 3, II, (21°C C.C.)	
<u>RID</u> UN-No. Proper Shipping Name Hazard Class Packing Group Classification code	UN1170 ETHANOL SOLUTION 3 II F1		



Description ADR/RID-Labels	UN1170, ETHANOL SOLUTION, 3, II 3
ADR UN-No. Proper Shipping Name Hazard Class Packing Group Classification code Tunnel restriction code Description	1170 ETHANOL SOLUTION 3 II F1 (D/E) 1170, ETHANOL SOLUTION, 3, II, (D/E)
ADN UN-No. Proper Shipping Name Hazard Class Packing Group Classification code Special Provisions Description Hazard Labels Limited Quantity Ventilation	UN1170 ETHANOL SOLUTION 3 II F1 144, 601 UN1170, ETHANOL SOLUTION, 3, II 3 1 L VE01

# **15. REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

#### International Inventories

TSCA	Contact supplier for inventory compliance status.
DSL/NDSL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	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

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

# 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. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard 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, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### US State Regulations

# California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical name	California Proposition 65	
Ethyl alcohol - 64-17-5	Carcinogen	
	Developmental	

### U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Ethyl alcohol 64-17-5	Х	Х	Х		X
Glycerol 56-81-5	Х	Х	Х		
Triethanolamine 102-71-6	Х	X	Х		
Propylene glycol 57-55-6	Х		Х		

16. OTHER INFORMATION						
NFPA	Health hazards 3	Flammability	3	Instability 0	Physical and Chemical Properties -	
HMIS Chronic Hazard Star Lege	Health hazards 3 * and * = Chronic	Flammability Health Hazard	3	Physical hazards 0	Personal Protection X	
Prepared By	By Product Stewardship 23 British American Blvd. Latham, NY 12110 1-800-572-6501					



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## 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**

