



# SDS

## Safety Data Sheet

June 2020

56 Center St., Massena, NY 13662  
(866) 254-3900 • www.skindfense.com

SECTION I – CHEMICAL / PRODUCT AND COMPANY IDENTIFICATION	
<b>Seaway Pharma</b> 7 County Route 42, Massena, NY - 13662	
<b>Emergency Phone</b>	(315) 916-6500
<b>Product Name</b>	Hand Sanitizer Gel
<b>Other Names</b>	NA

SECTION II – HAZARDS IDENTIFICATION	
Emergency Overview: This mixture is a product regulated by the FDA. Within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200]: this mixture is not considered a hazard when used in a manner which is consistent with the labeled directions.	
<b>Eye:</b>	Contact causes irritation.
<b>Skin:</b>	None under normal conditions.
<b>Inhalation:</b>	Not intended for inhalation.

SECTION III – COMPOSITION AND INGREDIENTS		
Hazardous ingredients as defined by OSHA, 29 CFR 1910.1200, and/or WHMIS under the HPA. These substances are listed because in their pure bulk form, they meet the OSHA definition of hazardous. Any hazards associated with this finished product are listed in Section III of this MSDS.		
Principal Hazardous Components:	CAS Number	%
Ethanol	64-17-5	70
Water	7732-18-5	20
Acritamer LP-400	25035-69-2	8
2-Amino-, 2-Methyl, 1-Propanol	124-68-5	0.2

SECTION IV – FIRST AID MEASURES	
<b>Inhalation:</b>	Remove to fresh air.
<b>Eye:</b>	Rinse eyes thoroughly with water for 15mins. If irritation persists, seek medical attention.
<b>Skin:</b>	If skin reaction occurs: Get medical advice/attention.
<b>Ingestion:</b>	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do Not induce vomiting. Call a physician.
<b>Symptoms:</b>	May cause redness and tearing of the eyes. Burning sensation. Prolonged contact may cause redness and irritation.

SECTION V – FIRE FIGHTING MEASURES			
Flash Point:	17.5°C / 63.5°F	Flash Point test method:	Not applicable
Flammable Limits (% by volume in air)			
Lower:	No data available	Upper:	No data available
Extinguishing Media:	Use carbon dioxide, dry chemical, water spray or alcohol resistant foam		
Specific hazards arising from the chemical:	Risk of ignition. Keep product and empty container away from heat and source 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		
Explosion Hazards:	Sensitivity to mechanical impact: None Sensitivity to static discharge: Yes		
Special Instructions:	Firefighter should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment		

SECTION VI – ACCIDENTAL RELEASE MEASURES	
Personal Safeguards:	Evacuate personnel to safe areas. Use personal protective equipment as requires. 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.
Environmental Precautions:	Ventilate the area.
Spill Clean-up Procedures:	Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

SECTION VII – HANDLING AND STORAGE	
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.
Precautions for safe handling	Use personal protection equipment. 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. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

SECTION VIII – EXPOSURE CONTROLS, PERSONAL PROTECTION			
Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
Ethanol	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
Acritamer LP-400	Not established	Not established	-
2-Amino-, 2-Methyl, 1-	TWA: 200 ppm	TWA: 400 ppm	TWA: 400 ppm

<b>Propanol</b>	<b>STEL 400 ppm</b>	<b>TWA: 980 mg/m3</b>	<b>TWA: 980 mg/m3 ST: 500 ppm ST: 1,225 mg/m3</b>
<b>Engineering Controls:</b>	<b>Showers, Eyewash stations, Ventilation systems.</b>		
<b>Eye Protection:</b>	<b>Tight sealing safety goggles.</b>		
<b>Hand protection:</b>	<b>Wear suitable gloves.</b>		
<b>Respiratory Protection:</b>	<b>None under normal conditions of use. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.</b>		
<b>Skin Protection:</b>	<b>None under normal conditions of use. Safety gloves are recommended when working with large quantities.</b>		
<b>General hygiene considerations:</b>	<b>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. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.</b>		

#### SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	<b>Gel</b>	
<b>Odor:</b>	<b>Lemon</b>	
<b>Property</b>	<b>Values</b>	<b>Method</b>
<b>pH</b>	<b>7.2 – 9.2</b>	<b>USP&lt;791&gt;</b>
<b>Melting point / freezing point</b>	<b>No data available</b>	<b>None know</b>
<b>Boiling point / boiling range</b>	<b>78.3°C / 172.9°F</b>	
<b>Flash point</b>	<b>17.5°C / 63.5°F</b>	
<b>Evaporation rate</b>	<b>No data available</b>	<b>None know</b>
<b>Flammability (solid, gas)</b>	<b>No data available</b>	<b>None know</b>
<b>Upper flammability or explosive limits</b>	<b>No data available</b>	<b>None know</b>
<b>Lower flammability or explosive limits</b>	<b>No data available</b>	<b>None know</b>
<b>Vapor pressure</b>	<b>No data available</b>	<b>None know</b>
<b>Vapor density</b>	<b>No data available</b>	<b>None know</b>
<b>Relative density</b>	<b>No data available</b>	<b>None know</b>
<b>Water solubility</b>	<b>No data available</b>	<b>None know</b>
<b>Solubility(ies)</b>	<b>No data available</b>	<b>None know</b>
<b>Partition coefficient</b>	<b>No data available</b>	<b>None know</b>
<b>Autoignition temperature</b>	<b>No data available</b>	<b>None know</b>
<b>Decomposition temperature</b>	<b>No data available</b>	<b>None know</b>
<b>Kinetic viscosity</b>	<b>No data available</b>	<b>None know</b>
<b>Dynamic viscosity</b>	<b>No data available</b>	<b>None know</b>
<b>Explosive properties</b>	<b>No information available</b>	
<b>Oxidizing properties</b>	<b>No information available</b>	
<b>Softening point</b>	<b>No information available</b>	
<b>Molecular weight</b>	<b>No information available</b>	
<b>VOC Content (%)</b>	<b>No information available</b>	

Liquid Density	No information available
Bulk density	No information available

SECTION X – STABILITY AND REACTIVITY	
Stability:	Considered to be stable under normal conditions
Reactivity:	None under normal use conditions
Possibility of hazardous reactions:	None under normal processing
Conditions to avoid	Heat, flames and sparks
Incompatible materials	None known based on information supplied
Incompatible materials:	None known based on information supplied

SECTION XI – TOXICOLOGICAL INFORMATION				
Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. May be harmful if inhaled. May cause drowsiness or dizziness.			
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.			
Skin contact	Specific test data for the substance or mixture is not available. Causes mild skin irritation. Prolonged contact may cause redness and irritation.			
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.			
Symptoms related to the physical, chemical and toxicological characteristics	May cause redness and tearing of the eyes. Prolonged contact may cause redness and irritation.			
Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	
Ethanol	7060 mg/kg (Rat)	-	= 124.7 mg/L (Rat) 4 h	
Water	> 90 mL/kg (Rat)	-	-	
Acritamer LP-400	5,000 mg/kg (Rat)	2,000 mg/kg (Rabbit)	-	
2-Amino-, 2-Methyl, 1-Propanol	2900 mg/kg (Rat)	-	-	
Skin corrosion/irritation	Classification based on data available for ingredients. May cause skin irritation.			
Serious eye damage/eye irritation	Classification based on data available for ingredients. Causes serious eye irritation.			
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. Based on available data, the classification criteria are not met.			
Chemical name	ACGIH	IARC	NTP	OSHA
Ethanol	A3	Group 1	Known	X
Acritamer LP-400	Not Listed	Not Listed	Not Listed	Not Listed

<b>2-Amino-, 2-Methyl, 1-Propanol</b>	<b>Not Listed</b>	<b>Not Listed</b>	<b>Not Listed</b>	<b>Not Listed</b>
<b>ACGIH</b>	<b>American Conference of Governmental Industrial Hygienists</b>		<b>A3 – Animal Carcinogen</b>	
<b>IARC</b>	<b>International Agency for Research on Cancer</b>		<b>Group 1 - Carcinogenic to Humans</b>	
<b>NTP</b>	<b>National Toxicology Program</b>		<b>Known - Known Carcinogen</b>	
<b>OSHA</b>	<b>Occupational Safety and Health Administration of the US Department of Labor</b>		<b>X – Present</b>	
<b>Reproductive toxicity</b>	<b>No information available.</b>			
<b>STOT - single exposure</b>	<b>No information available.</b>			
<b>STOT - repeated exposure</b>	<b>No information available.</b>			
<b>Target organ effects</b>	<b>Eyes, Skin, Respiratory system.</b>			
<b>Aspiration hazard</b>	<b>No information available.</b>			
<b>Other adverse effects</b>	<b>No information available.</b>			
<b>Interactive effects</b>	<b>No information available.</b>			
<b>Other adverse effects</b>	<b>No information available.</b>			
<b>Interactive effects</b>	<b>No information available.</b>			

<b>SECTION XII – ECOLOGICAL INFORMATION</b>				
<b>Ecotoxicity</b>	<b>The environmental impact of this product has not been fully investigated.</b>			
<b>Chemical name</b>	<b>Algae/aquatic plants</b>	<b>Fish</b>	<b>Toxicity to microorganisms</b>	<b>Crustacea</b>
<b>Ethanol</b>	-	LC50: 12.0 - 16.0mL/L (96h, Oncorhynchus mykiss) LC50: >100mg/L (96h, Pimephales promelas) LC50: 13400 - 15100mg/L (96h, Pimephales promelas)	-	LC50: 9268 - 14221mg/L (48h, Daphnia magna) EC50: =2mg/L (48h, Daphnia magna)
<b>Acritamer LP-400</b>	No Information available	No Information available	No Information available	No Information available
<b>2-Amino-, 2-Methyl, 1-Propanol</b>	520 mg/L EC50 Desmodesmus subspicatus 72 h	190 mg/L LC50 Lepomis macrochirus 96 h static 1	No Information available	193 mg/L EC50 Daphnia magna 48 h
<b>Persistence and degradability</b>	<b>No information available.</b>			
<b>Bioaccumulation</b>	<b>There is no data for this product.</b>			
<b>Chemical name</b>			<b>Partition coefficient</b>	
<b>Ethanol</b>			<b>-0.32</b>	
<b>Acritamer LP-400</b>			<b>N/A</b>	

<b>2-Amino-, 2-Methyl, 1-Propanol</b>	<b>-0.63</b>
<b>Other adverse effects</b>	<b>No information available.</b>

<b>SECTION XIII – DISPOSAL CONSIDERATIONS</b>	
<b>Waste from residues/unused products</b>	<b>Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.</b>
<b>Contaminated packaging</b>	<b>Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.</b>
<b>California Hazardous Waste Status</b>	<b>This product contains one or more substances that are listed with the State of California as a hazardous waste.</b>

<b>SECTION XIV – TRANSPORT INFORMATION</b>
<p>This is a consumer product and as such may usually be shipped as ORM-D (other regulated materials for domestic transport only) Consumer Commodity for transport within the United States. While this product is a hazardous material, it may be shipped in a limited quantity that presents a limited hazard during transportation, due to its form, quantity, and packaging. The information listed below is for shipping bulk material.</p> <p>USDOT has issued a temporary relief notice for companies shipping hand sanitizers used for sanitation purposes, for shipment by road within the USA. The policy is at <a href="https://www.phmsa.dot.gov/sites/phmsa.dot.gov/files/2020-04/PHMSA%20Hand%20Sanitizer%20Relief%20Notice.pdf">https://www.phmsa.dot.gov/sites/phmsa.dot.gov/files/2020-04/PHMSA%20Hand%20Sanitizer%20Relief%20Notice.pdf</a>, with additional guidance at <a href="https://www.phmsa.dot.gov/news/phmsa-issues-temporary-relief-companies-transporting-hand-sanitizer-highway">https://www.phmsa.dot.gov/news/phmsa-issues-temporary-relief-companies-transporting-hand-sanitizer-highway</a></p>

<b>SECTION XV – REGULATORY INFORMATION</b>			
<b>Chemical name</b>	<b>CAS No</b>	<b>US TSCA Inventory listing</b>	<b>US TSCA inactive/active Designation</b>
<b>Ethanol</b>	<b>64-17-5</b>	<b>Present</b>	<b>Active</b>
<b>Water</b>	<b>7732-18-5</b>	<b>Present</b>	<b>Active</b>
<b>Acritamer LP-400</b>	<b>25035-69-2</b>	<b>Not subject to TSCA for cosmetic/personal care applications</b>	<b>-</b>
<b>2-Amino-, 2-Methyl, 1-Propanol</b>	<b>124-68-5</b>	<b>Present</b>	<b>Active</b>
<b>TSCA (Toxic Substances Control Act)</b>	<b>All intentionally added components of this product are listed on the US TSCA Inventory.</b>		
<b>SARA 313</b>	<b>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.</b>		
<b>SARA 311/312 Hazard Categories</b>	<b>Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.</b>		
<b>CWA (Clean Water Act)</b>	<b>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).</b>		

<b>CERCLA</b>	<b>This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).</b>		
<b>California Proposition 65</b>	<b>Ethyl alcohol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage. This product contains the following Proposition 65 chemicals:</b>		
<b>Chemical name</b>		<b>California Proposition 65</b>	
<b>Ethanol</b>		<b>Carcinogen Developmental</b>	
<b>Chemical name</b>	<b>New Jersey</b>	<b>Massachusetts</b>	<b>Pennsylvania</b>
<b>Ethanol</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>Acritamer LP-400</b>	<b>None Known</b>	<b>None Known</b>	<b>None Known</b>
<b>2-Amino-, 2-Methyl, 1-Propanol</b>	<b>X</b>	<b>X</b>	<b>X</b>

### SECTION XVI – OTHER INFORMATION

**DISCLAIMER:** This MSDS is intended to provide brief information of our knowledge, experience, and guidance regarding the use of this Product. The information contained here has been compiled from sources considered by Seaway Pharma to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. No guarantees are made that any of the information is totally sufficient or completely correct. Each user of this product needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Seaway Pharma assumes no responsibility for injury to the recipient or third persons or for any damage to any property resulting from misuse of the product.