

SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY INFORMATION

Product Name: Advanced Hand Sanitizer Refreshing Gel

Product Use: Hand Sanitizer

Company:

Issue Date : 03/30/2020

SECTION 2. HAZARD IDENTIFICATION

GHS Classification

Flammable liquids: Category 3

Eye Irritation: Category 2 A

Hazard Statements:

This material contains a component that is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquid and vapor

Cause serious eye irritation

Hazard Pictograms:



Emergency Overview: Keep out of reach of children

Warning:

Flammable (ethyl alcohol)

Symptoms of exposure:

Inhalation: May cause irritation of the respiratory tract.

Ingestion: May cause nausea, vomiting and diarrhea

Eyes: May cause irritation to the eyes

Skin: None expected

Precautionary Statements:

Prevention:

Keep away from heat/sparks/open flames/hot surfaces. No smoking

keep container tightly closed

Response:

If in eyes. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists. Get medical advice/attention. In case of fire. Use dry sand, dry chemical or alcohol-resistant foam extinction.

Storage:

Store in a well-ventilated place. Keep cool

Disposal:

Dispose of content/container to an approved waste disposal plant

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

Component	Active/Inactive	%	CAS #
Ethyl Alcohol 70%	Active	70 % - 80 % (v/v)	64-17-5
Water	Inactive	20 % - 25 % (v/v)	7732-18-5
Aloe Vera Extract	Inactive	0.1 % - 0.5 %	85507-69-3
Glycerin	Inactive	1 % - 1.4 %	56-81-5
Carbomer	Inactive	max. 0.5 %	9003-01-4

SECTION 4. FIRST AID MEASURES

Emergency first aid procedure by route of exposure:

Inhalation: If symptoms are experienced, remove source of contamination, Get medical attention

Ingestion: Do not induce vomiting. If the material is swallowed, get medical attention

Skin: If irritation is experienced, flush with water. If irritation persists, get medical attention

Eyes: Immediately flush eyes with water at least 15 minutes while holding eyelids open, if symptoms persist get medical attention

SECTION 5. FIRE FIGHTING MEASURES

Flash Point : 23 °C closed cup

Suitable extinguishing media: Use methods appropriate for the surrounding fire. Consider water spray or fog, carbon dioxide, dry chemical powder or alcohol resistance foam.

Products of combustion: Upon decomposition this product may emit carbon dioxide, carbon monoxide and/or low molecular weight hydrocarbons.

Specific hazards during fire-fighting: Fire Hazard

Keep away from heat and sources of ignition. Flash back possible over considerable distance.

Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Hazardous combustion products: carbon oxides

Fire Fighting Equipment/Instructions: Wear protective clothing and equipment suitable for the surrounding fire, including helmet, facemask and self-contained breathing apparatus.

NFPA Rating: Health: 2 Fire: 3 Reactivity: 0

Hazard Scale: 0 = Minimal; 1 = Slight; 2= Moderate; 3= Serious; 4= Severe

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Remove all sources of ignition. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions: Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up: Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling: Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from fire, sparks and heated surfaces.

Conditions for safe storage: Keep away from heat and sources of ignition. Keep in a cool, well-ventilated place. Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.

Storage temperature : 0 °C to 35 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Ethyl Alcohol (64-17-5)

ACGIH: 1,000 ppm TWA

OSHA: 1,000 ppm TWA; 1,900 mg/m³ TWA

Engineering Controls: good general ventilation should be sufficient to control worker exposure to airborne contaminants

Personal Protective Equipment (PPE)

Eye/Face Protection: None needed under normal use.

Skin Protection: None needed under normal use.

Respiratory Protection: None needed under normal use.

General Hygiene Considerations: None needed under normal use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Color: Clear to slightly hazy gel

Odor: alcoholic

Physical State: Gel

pH: Not available

Flash point: 23 °C closed cup

Solubility (in water): Soluble

Specific Gravity @ 25°C: 0.869 - 1.106

Evaporation Rate: Not Available

Auto-ignition temperature: (Ethyl Alcohol) 363°C

Decomposition temperature: Not Available

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable under normal room temperatures 70°C (21°C)

Condition to Avoid: Avoid excessive heat or sources of ignition.

Incompatible Materials: This product reacts with strong acid, strong bases, and oxidizing agents.

Hazardous Decomposition: upon decomposition, this product evolves carbon monoxide, carbon

dioxide, and/or low weight hydrocarbons.

Hazardous Reactions: Hazardous polymerization will not occur.

SECTION 11. TOXICOLOGY INFORMATION

ACUTE EFFECTS:

A: General Product information

Product contains ethyl alcohol.

B: Component Analysis LD50

Ethyl Alcohol (64-17-5)

Oral LD50 Rat: 7060 mg/kg

CHRONIC EFFECTS:

Component

Ethyl Alcohol (64-17-5)

Carcinogenicity: ACGIH A4 – Not Classifiable as a Human Carcinogen

Neurotoxicity: This product contains ethyl alcohol, a central nervous system target.

Mutagenicity: No information available for product.

Reproductive: No information available for product.

Developmental: Ethyl alcohol is a developmental toxin when consumed during pregnancy.

Target Organs: When consumed, ethyl alcohol can target the respiratory system, skin, eyes, CNS, liver, blood and reproductive system.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: Ethyl Alcohol (64-17-5)

96-hour LC50 *Oncorhynchus mykiss*: 12,900 mg/L (flow-through) (30days old)

96-hour LC50 *Pimephales promelas* 14.2 mg/L

5 min EC50 *Photobacterium phosphoreum*: 35,470 mg/L

30 min EC50 *Photobacterium phosphoreum*: 34,634 mg/L

48-hour EC50 *Daphnia magna*: 9,268 mg/L

24-hour EC50 *Daphnia magna*: 10,800 mg/L

SECTION 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state, and local regulations

Disposal methods: The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations: Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

RCRA - Resource Conservation and Recovery Authorization Act Hazardous: D001 (Ignitable)

SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT):

UN number : 1170
Description of the goods : Ethanol Mixture
Class : 3
Packing group : III
Environmentally hazardous : no

Sea transport (IMDG/IMO)

UN number : 1170
Description of the goods : Ethanol Mixture
Class : 3
Packing Group : III
Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

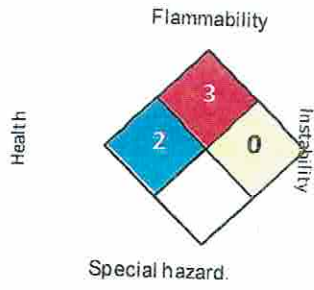
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Fire Hazard
Acute Health Hazard

SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

NFPA:



HMIS III:

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight
2 = Moderate, 3 = High
4 = Extreme, * = Chronic