

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: Alcohol (Ethanol) Hand Sanitizer

Product No: 446

Version: 05

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Revision Date: 05/19/2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Trade name / designation: Hand Sanitizer Gel

Other means of identification: No Data Available

Recommended Use: Hand Sanitizer

1.2 Company Contact Information:

Bajaj Medical LLC.

415 W Pershing Rd

Chicago, IL 60609

+1.855.680.0101

1.3 Emergency Telephone Number:

For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident:

Call CHEMTREC: 1-800-424-9300 /

+1 703-527-3887 CCN 867843

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

GHS-US classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable liquid and vapor (Category 3), H226

Causes serious eye irritation (Category 2A), H319

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard pictograms :



Signal word (GHS-US):

Warning

Hazard statements (GHS-US):

H225

Flammable liquid and vapor

H319

Causes serious eye irritation

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Precautionary statements (GHS-US):

P210	Keep away from heat / sparks / open flames / hot surfaces – No smoking.
P233	Keep container tightly closed
P241	Use explosion-proof electrical / ventilating / light / equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash thoroughly after handling.
P280	Wear protective gloves / eye protection / face protection.
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.
P337+P313	If eye irritation persists: Get medical advice/attention.

Supplemental Hazard information:

No data available

2.3 Other hazards

No data available

SECTION 3. Composition/information on ingredients

3.1 Composition

Ingredient	CAS #	Concentration
Ethanol	64-17-5	60.0 – 80.0% v/v
Water	7732-18-5	15.0 – 40.0% v/v
Carbomer	9007-16-3	0.01 – 1.0% v/v

3.2 Hazardous

Ingredient	CAS #	Concentration
Ethanol	64-17-5	60.0 – 80.0% v/v

Additional Information: * Proprietary
Ingredients(s) indicated as hazardous have been assessed under standards for workplace safety.

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SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Skin Contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

Eye Contact

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

If swallowed

If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Overview

EXPOSURE TO HIGH CONCENTRATIONS: Coughing. Dry/sore throat. Central nervous system depression. Dizziness. Headache. Narcosis. See section 2 for further details.

Eyes

Irritation of the eye tissue.

Skin

Dry skin.

Ingestion

AFTER ABSORPTION OF HIGH QUANTITIES: Central nervous system depression. Headache. Dilation of the blood vessels. Low arterial pressure. Nausea. Vomiting. Abdominal pain. Disturbed motor response. Disturbances of consciousness. FOLLOWING SYMPTOMS MAY APPEAR LATER: Body temperature fall. Slowing respiration.

Chronic symptoms

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Red skin. Dry skin. Itching. Cracking of the skin. Skin rash/inflammation. Impaired memory.

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- 4.3 Indication of any immediate medical attention and special treatment needed**
No additional information available

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

Water spray. Polyvalent foam. Alcohol-resistant foam. BC powder. Carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products:

Hazardous decomposition: Burning may produce carbon monoxide and carbon dioxide contamination. Keep away from heat / sparks / open flames / hot surfaces - No smoking. Avoid breathing dust / fume / gas / mist / vapors / spray.

5.3 Advice for fire-fighters

Dilution of burning liquid with water will affect extinguishment.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2 Environmental precautions:

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3 Methods and material for containment and cleaning up

Eliminate all sources of ignition. Small spills should be flushed with large quantities of water, larger spills should be collected for disposal. Atomize into an incinerator where permitted under appropriate federal, state, and local regulations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Do NOT take internally. Flammable liquid. Keep away from heat, sparks and open flames. Keep container closed. See section 2 for further details. - [Prevention]:
For more information on precautions, refer section 2.

7.2 Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage. Naked flames and smoking should not be permitted in storage areas. It is recommended that fork lift trucks and electrical equipment are protected to the appropriate standard. Incompatible materials: Anyhydride, isocyanate, monomer and organo-metallic. See section 2 for further details. - [Storage]:

7.3 Specific end uses:

No data available.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Occupational exposure limits:

Ingredients	CAS #	Value type (Form of exposure)	Control parameters/ Permissible concentration	Basis
Ethanol	64-17-5	TWA	1000 ppm 1900 mg/m ³	NIOSH REL
		TWA	1000 ppm 1900 mg/m ³	OSHA Z-1
		STEL	1000 ppm	ACGIH

8.1.2 Exposure limits at intended use:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.1.3 DNEL/PNEC-values:

No data available.

8.1.4 Risk management measures according to used control banding approach

No data available.

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.2.2 Personal protective equipment:

Eye / Face protection:

Chemical goggles or face shield with safety glasses.

Skin protection:

Protective clothing.

Hand protection

Wear suitable gloves resistant to chemical penetration.

Body protection:

GIVE EXCELLENT RESISTANCE: butyl rubber. nitrile rubber. viton.

polyethylene/ethylenevinylalcohol. GIVE GOOD RESISTANCE: neoprene. GIVE LESS

RESISTANCE: PVC. neoprene/natural rubber. GIVE POOR RESISTANCE: natural rubber.

polyethylene. PVA.

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Respiratory protection:

Wear gas mask with filter type A if conc. in air > exposure limit.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical Liquid	Liquid
Color	Clear
Odour	Citrus
pH	6.0-8.5
Melting point/freezing point	No Data Available
Initial boiling point/boiling range	70 °C
Flash point	25 °C
Relative Evaporation rate	No Data Available
Relative Evaporation rate	No Data Available
Flammability (solid, gas)	Not Data Available
Upper/lower flammability or explosive limits	No Data Available
Vapour pressure	No Data Available
Vapour pressure	No Data Available
Relative vapour density	No Data Available
Relative density	0.8750 g/cm ³
Solubility(ies)	Soluble in water
Partition coefficient: n-octanol/water	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity	Not Measured
Viscosity, dynamic	Not Measured
Viscosity, cinematic	Not Measured
Explosive properties	Not Measured
Oxidising properties	Not Measured

Other information:

No other relevant information.

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SECTION 10: Stability and reactivity

10.1 Reactivity

Hazardous Polymerization will not occur.

10.2 Chemical stability

Stable under normal circumstances

10.3 Possibility of hazardous reactions

Flammable liquid and vapor.

Vapors may form explosive mixture with air.

Can react with strong oxidizing agents.

10.4 Conditions to avoid:

Avoid heat, sparks and open flame.

10.5 Incompatible materials:

Anyhydride, isocyanate, monomer and organo-metallic.

10.6 Hazardous decomposition products:

Burning may produce carbon monoxide and carbon dioxide contamination.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

11.1.1 Substances

Acute toxicity

Not classified based on available information.

Product

Acute oral toxicity: Acute toxicity estimate > 5000 mg/kg
Method: Calculation method.

Ingredients:

Ethanol:

Acute oral toxicity: LC50 (Rat) > 5000 mg/kg

Acute inhalation toxicity: LC50 (Rat): 124.7 mg/l
Exposure time: 4h
Test atmosphere: Vapor

Propan-2-ol

Acute oral toxicity: LD50 (Rat) > 5000 mg/kg

Acute inhalation toxicity: LC50 (Rat): 72.6 mg/l
Exposure time: 4h
Test atmosphere: Vapor

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Acute dermal toxicity LD50 (Rat) > 5000 mg/kg

Skin corrosion/irritation

No data available

Eye damage/irritation

Causes serious eye irritation.

Sensitisation to the respiratory tract/skin

No data available

Sensitisation to the respiratory tract

No data available

Skin sensitization

No data available

Practical experience / human evidence:

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Irritation to respiratory tract:

No data available

Narcotic effects

No data available

Symptoms related to the physical, chemical and toxicological characteristics:

For more information on precautions, refer section 4.

SECTION 12: Ecological information

12.1 Toxicity:

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment but contains substance(s) dangerous for the environment. See section 3 for details

Ingredients:

Ethanol:

Toxicity to fish :

LC50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l

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Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates :

EC50 (Daphnia magna (Water flea)): > 1,000 mg/l

Exposure time: 48 h

Toxicity to algae :

EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) :

NOEC (Daphnia magna (Water flea)): 9.6 mg/l

Exposure time: 9 d

Toxicity to bacteria :

EC50 (Photobacterium phosphoreum): 32.1 mg/l

Exposure time: 0.25 h

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6 Other adverse effects:

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

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SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN No.	UN1987	UN1987	UN1987
14.2 UN Proper shipping name	Alcohol, N.O.S	Alcohol, N.O.S (Ethanol)	Alcohol, N.O.S (Ethanol)
14.3 Transport hazard class(es)	3 – Flammable Liquids	3 - Flammable liquids	3 - Flammable liquids
Hazard label(s)	3 - Flammable liquids 	Not Applicable	Not Applicable
14.4 Packing group	III	III	III
14.5 Environmental hazards	Not Applicable	No Pollutant	Not Applicable

14.6 Special precautions for user

No further information

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

SECTION 15: Regulatory information

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

15.1.1 EU regulations

No further information

15.1.2 National regulations

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on SARA Section 313 (Specific toxic chemical listings)

US State Regulations

Pennsylvania Right To Know

Ethanol 64-17-5 60.0 – 80.0% v/v

Water 7732-18-5 15.0 – 40.0% v/v

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New Jersey Right To Know

Ethanol	64-17-5	60.0 – 80.0% v/v
Water	7732-18-5	15.0 – 40.0% v/v

California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

SECTION 16: Other information

16.1 Indication of changes

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

16.2 Relevant R-, H- and EUH-phrases (number and full text):

Full text of H-Statements referred to under sections 2 and 3.

H225	:	Highly flammable liquid and vapor.
H319	:	Causes serious eye irritation.

16.3 HMIS III Rating

Health	:	2 Temporary or minor injury may occur
Flammability	:	3 Serious
Hazard Physical	:	0 Minimal Hazard
Personal Protection	:	H

16.4 NFPA Rating

NFPA health hazard	:	2 – Moderate Hazard
NFPA fire hazard	:	3 – Serious Hazard
NFPA reactivity	:	0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



NFPA Symbol :

16.5 Disclaimer

The information above is believed to be accurate as per the best information available to Bajaj Medical on the date of initial publication. The information above is not purported to be all-inclusive, and as such, should only be used as a guide. Bajaj Medical make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and assumes no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Bajaj Medical be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Bajaj Medical has been advised of the possibility of such damages