

Safety data sheet

Section 1 – Chemical Product and Company Identification

1.1 Product identifier

Hand Sanitizer

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses:HAND SANITIZER ADVANCED

1.3. Details of the supplier of the safety data sheet

Company:

Benchmark Industrial Inc.

950 Claycraft Rd.

Gahanna, OH 43230

Tel: 614-695-6500

Fax: 614-695-6501

E-mail address: info@benchmarkinc.com

1.4. Emergency telephone number

International emergency number:

Telephone: 614-695-6500

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

According to Regulation (EC) No 1272/2008 [CLP]

Flam. Liq. 2

2.2.Label elements

According to Regulation (EC) No 1272/2008 [CLP]

Pictogram:



Signal Word:

Danger

Hazard Statement:

H225 Highly flammable liquid and vapour

Precautionary Statements (Prevention):

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.

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

Precautionary Statements (Response):

Precautionary Statements (Response):

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

P370 + P378 In case of fire: Use foam extinguisher or carbon dioxide to extinguish.

Precautionary Statements (Storage):

P403 + P235 Store in a well-ventilated place. Keep cool.

Precautionary Statements (Disposal):

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

No specific dangers known, if the regulations/notes for storage and handling are considered.

SECTION 3: Composition/Information on Ingredients

3.1. Substances

not applicable

3.2. Mixtures

Registration= Number	Classification according to Directive 67/548/EEC	Classification according to Regulation (EU) 1272/2008(CLP)	Concentration
Ethyl alcohol(CAS-No.64-17-5)(EC-No.200-578-6)			
		Flam. Liq. 2,H225	60.0-70.0%
Water(CAS-No.7732-18-5)(EC-No. 231-791-2)			
			10.0-25.0%
Carbomer 940(CAS-No.9003-01-4)(EC-No.618-347-7)			
			5.0-15.0%
Triethanolamine(CAS-No.102-71-6)(EC-No. 203-049-8)			
			1.0-5.0%
Glycerol(CAS-No.56-81-5)(EC-No.200-289-5)			
			1.0-5.0%
Aloe vera, ext.(CAS-No.85507-69-3)(EC-No.287-390-8)			
			0.1-1.0%

SECTION 4: First-Aid Measures**4.1. Description of first aid measures**

If inhaled:

Keep patient calm, remove to fresh air.

On skin contact:

Remove contaminated clothing. Wash thoroughly with soap and water. If irritation develops, seek medical attention.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation develops,seek medical attention.

On ingestion:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media:

Foam,carbon dioxide, dry powder

5.2. Special hazards arising from the substance or mixture

Vapors may form explosive mixture with air..

5.3. Advice for fire-fighters

Special protective equipment:

Wear self-contained breathing apparatus and chemical-protective clothing.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with the skin, eyes and clothing. Use personal protective clothing.

Information regarding personal protective measures see, section 8.

6.2. Environmental precautions

Do not discharge into drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Sweep/shovel up. Correctly dispose of recovered product immediately. Do not discharge into drains/surface waters/groundwater.

6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

SECTION 7:Handling and Storage

7.1. Precautions for safe handling

Avoid contact with the skin, eyes and clothing. Wear suitable protective clothing and gloves. Keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

Segregate from flammable substances. Segregate from peroxides. Segregate from strong oxidizing agents.Segregate from self-heating sub./././stances.

SECTION 8:Exposure Controls/Personal Protection

8.1. Control parameters

Components with occupational exposure limits

No data available

8.2. Exposure controls

Respiratory protection:

Respiratory protection in case of vapor/aerosol release.

Hand protection:

Chemical resistant protective gloves (EN 374)

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

General safety and hygiene measures

Hands and/or face should be washed after work.

SECTION 9:Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Form:	gel
Color:	colorless,clear
Odor:	perfumed
Flashpoint:	no data available
pH value:	<23 °C
Melting temperature:	no data available
Boiling temperature:	no data available
Evaporation rate:	no data available
Lower explosion limit:	no data available
Upper explosion limit:	no data available
Ignition temperature:	no data available
Density:	no data available
Relative density:	no data available
Relative vapor density (air):	no data available
Partitioning coefficient n-octanol/water (log Kow):	no data available
Self ignition:	no data available
Viscosity, dynamic:	no data available
Explosion hazard:	no data available
Fire promoting properties:	no data available

SECTION 10:Stability and Reactivity

10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

10.2. Chemical stability

The product is chemically stable.

10.3. Possibility of hazardous reactions

The product is chemically stable.

10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

Substances to avoid:

oxidizing agents

10.6. Hazardous decomposition products

Possible thermal decomposition products:

carbon oxides, sulfur dioxide, nitrogen oxides

11. Toxicological information

Acute toxicity

Oral:

No data available

Inhalation:

No data available

Dermal:

No data available

Skin Irritation

Assessment of irritating effects:

No data available

Eye irritation

Assessment of irritating effects:

No data available

Respiratory/Skin sensitization

Assessment of sensitization:

No data available.

Germ cell mutagenicity

Assessment of mutagenicity:

No data available

Carcinogenicity

Assessment of carcinogenicity:

No data available

Reproductive toxicity

Assessment of reproduction toxicity:

No data available

Developmental toxicity

Assessment of teratogenicity:

No data available.

Specific target organ toxicity (single exposure)

Assessment of STOT single:

No data available.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

No data available

Aspiration hazard

No data available.

Other relevant toxicity information

According to our present knowledge and experience dangers which are not covered by the current labeling are not to be expected.

SECTION 12:Ecological Information

12.1. Toxicity

Assessment of aquatic toxicity:

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

Assessment biodegradation and elimination (H₂O):

No data available.

Assessment of stability in water:

No data available.

12.3. Bioaccumulative potential

Assessment bioaccumulation potential:

Discharge into the environment must be avoided.

12.4. Mobility in soil

Assessment transport between environmental compartments:

No data available.

12.5. Results of PBT and vPvB assessment

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation,Authorisation and Restriction of Chemicals (REACH): The product does not fulfill the criteria for PBT(Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative).Self classification

12.6. Other adverse effects

The product does not contain substances that are listed in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

12.7. Additional information

Other ecotoxicological advice:

According to our present knowledge and experience dangers which are not covered by the current labeling are not to be expected.

SECTION 13:Disposal considerations

Waste disposal of substance:

Dispose of in accordance with national, state and local regulations.

Contaminated packaging:

Dispose of in accordance with national, state and local regulations.

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

SECTION 14:Transport Information

Land transport

ADR

UN number: UN1170
UN proper shipping name: FLAMMABLE LIQUID PLACARD -- ETHANOL (ETHYL ALCOHOL)
Transport hazard class(es): 3
Packing group: II
Environmental hazards: No

RID

regulations

UN number: UN1170
UN proper shipping name: FLAMMABLE LIQUID PLACARD -- ETHANOL (ETHYL ALCOHOL)
Transport hazard class(es): 3
Packing group: II
Environmental hazards: No

Inland waterway transport

ADN

UN number: UN1170
UN proper shipping name: FLAMMABLE LIQUID PLACARD -- ETHANOL (ETHYL ALCOHOL)
Transport hazard class(es): 3
Packing group: II
Environmental hazards: No

Sea transport

IMDG

UN number: UN1170
UN proper shipping name: FLAMMABLE LIQUID PLACARD -- ETHANOL (ETHYL ALCOHOL)
Transport hazard class(es): 3
Packing group: II
Environmental hazards: No

Air transport

IATA/ICAO

UN number: UN1170

UN proper shipping name: FLAMMABLE LIQUID PLACARD -- ETHANOL (ETHYL ALCOHOL)
Transport hazard class(es): 3
Packing group: II
Environmental hazards: No

14.1. UN number

See corresponding entries for “UN number” for the respective regulations in the tables above.

14.2. UN proper shipping name

See corresponding entries for “UN proper shipping name” for the respective regulations in the tables above.

14.3. Transport hazard class(es)

See corresponding entries for “Transport hazard class(es)” for the respective regulations in the tables above.

14.4. Packing group

See corresponding entries for “Packing group” for the respective regulations in the tables above.

14.5. Environmental hazards

See corresponding entries for “Environmental hazards” for the respective regulations in the tables above.

14.6. Special precautions for user

See corresponding entries for “Special precautions for user” for the respective regulations in the tables above.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Regulation: Not evaluated
Shipment approved: Not evaluated
Pollution name: Not evaluated
Pollution category: Not evaluated
Ship Type: Not evaluated

SECTION 15:Regulatory Information

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

Product Name:HAND SANITIZER ADVANCED

Issue Date:Mar.16th,2020

Date of revision:Mar,16th,2020

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

15.2. Chemical Safety Assessment

Chemical Safety Assessment not yet performed due to registration timelines. Exposure scenarios for the mixture can not be provided at the moment because exposure scenarios are not yet available for all relevant substances due to registration timelines. For advice on essential measures see sections 7 and 8 of this safety data sheet.

SECTION 16: Other Information

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.