

MATERIAL SAFETY DATA SHEET

ANHEUSER-BUSCH HAND SANITIZER

Version 1.1

Date of issue: 03/12/2020



SECTION 1. IDENTIFICATION

Product Name : Anheuser-Busch Hand Sanitizer

Supplier/Manufacturer Details

Company Name of supplier : Anheuser-Busch InBev

Address : 1 Busch Place, St Louis, MO 63118

Telephone : 1-800-342-5283

Recommended use of the chemical and restrictions on use

Recommended use : Hand Sanitizer

Restrictions on use : This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement of an SDS for the consumer. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other uses of this product. For specific intended-use guidance, please refer to the information provided on the package.

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Category 3

Eye irritation : Category 2A

GHS Label Element

Hazard pictograms :  

Signal word : Warning

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Hazard statements : H226 Flammable liquid and vapor
H319 Causes serious eye irritation

Precautionary statements

: Prevention:
P210 Keep away from heat/sparks/open flames/hot surfaces. – no smoking
P233 Keep container tightly closed
P241 Use explosion-proof electrical/ventilating/lighting/equipment
P242 Use only non-sparking tools
P243 Take precautionary measures against static discharge
P264 Wash skin thoroughly after handling
P280 Wear protective gloves/eye protection/face protection

: Response:
P303 + P361 + P353 IF ON SKIN (or hair): Take off all contaminated clothing immediately. Rinse skin with water/shower
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

: Storage:
P403 + P235 Store in a well-ventilated space. Keep cool

: Disposal: P501 Dispose of contents/container into an approved waste disposal tote

Other Hazards

Vapors may form explosive mixture with air

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture : Mixture

Hazardous ingredients

Chemical Name	CAS-No.	Concentration (%)
Ethanol	64-17-5	80%
Glycerol	56-81-5	<5%

SECTION 4. FIRST AID MEASURES

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General advice	: In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt, seek medical advice.
If inhaled	: If inhaled, remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact	: Wash with water and soap as a precaution. Get medical attention if symptoms occur.
In case of eye contact	: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention.
If swallowed	: If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water
Most important symptoms And effects, both acute and delayed	: Causes serious eye irritation.
Protection of first-aid responders	: First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.
Note to physician	: Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	: Water spray Alcohol-resistant foam Dry chemical Carbon dioxide (CO ₂)
Unsuitable extinguishing media	: High volume water jet
Specific hazards during fire fighting	: Do not use a solid water stream as it may scatter and spread fire. Flash back possible over considerable distance. Vapors may form explosive mixtures with air. Exposure to combustion products may be a hazard to health.
Hazardous combustion products	: Carbon oxides
Specific extinguishing methods	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Special protective equipment for fire-fighters	: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Remove all sources of ignition. Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations
Environmental precautions	: Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for Containment and cleaning up	: Non sparking tools should be used. Soak up with inert absorbent material. Suppress (knock down) gases/vapors/mists with a water spray jet. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures	: See engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total Ventilation	: Use with local exhaust ventilation. Use only in an area equipped with explosion proof exhaust ventilation.
Advice on safe handling	: Do not breathe vapors or spray mist. Do not swallow. Do not get in eyes. Avoid prolonged or repeated contact with skin. Handle in accordance with good industrial hygiene and safety practice. Non-sparking tools should be used. Keep container tightly closed. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the environment
Conditions for safe storage	: Keep in properly labeled containers. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations. Keep away from heat and sources of ignition.

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Materials to avoid

: Do not store with the following product types: Strong oxidizing agents, organic peroxides, flammable solids, pyrophoric liquids, pyrophoric solids, self-heating substances and mixtures, substances and mixtures which in contact with water emit flammable gases, explosives, gases

SECTION 8. EXPOURE CONTROL/PERSONAL PROTECTION

Ingredients with workplace control parameters

Component	Value	Control Parameter	Basis
Ethanol (CAS 64-17-5)	TWA	1000ppm 1900 mg/m ³	NIOSH REL
	PEL	1000ppm 1900 mg/m ³	OSHA Z-1
	STEL	1000ppm	ACGIH
Glycerol	PEL	5-15 mg/m ³	OSHA Z-1

Biological occupational exposure limits

: No biological exposure limits noted for the indredient(s).

Engineering measures

: Minimize workplace exposure concentrations. Use only in an area equipped with explosion proof exhaust ventilation. Use with local exhaust ventilation.

Personal protective equipment

Respiratory protection

: General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection material

Remarks

: Impervious gloves, flame retardant gloves

: Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

Eye protection

: Wear the following personal protective equipment: Safety goggles

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Skin and body protection : Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Wear the following personal protective equipment: Flame retardant antistatic protective clothing. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

Hygiene measures : Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : clear, colorless to pale yellow

Odor : alcohol

Odor threshold : no data available

pH : 7.15-7.25

Melting point/freezing point : no data available

Boiling point : 60 °C

Flash point : 5 °C

Evaporation rate : no data available

Flammability (solid. Gas) : Not applicable

Upper explosion limit : no data available

Lower explosion limit : no data available

Vapor pressure : no data available

Relative vapor density : no data available

Density : no data available

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Solubility

Water	: soluble
Partition coefficient: n-octanol/water	: Not applicable
Autoignition temperature	: No data available
Decomposition temperature	: The substance or mixture is not classified as self-reactive.
Explosive properties	: Not explosive
Oxidizing properties	: The substance or mixture is not classified as oxidizing.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Not classified as a reactivity hazard.
Chemical Stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Flammable liquid and vapor. Vapors may form explosive mixture with air. Can react with strong oxidizing agents.
Conditions to avoid	: Heat, flames, and sparks.
Incompatible materials	: Oxidizing agents.
Hazardous decomposition products	: No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation
Skin Contact
Ingestion
Eye Contact

Acute toxicity

Not classified based on available information.

Product

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

Ingredients:

Ethanol

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Acute oral toxicity : LD50 (Rat): >7000 mg/kg

Acute inhalation toxicity : LC50 (Mouse): 39 g/l
Exposure time: 4hr
Test atmosphere: vapor

Acute dermal toxicity :LD50 (Rat): >2000 mg/kg

Acute ocular damage/irritation : OCED Guidline 405 (Rabbit): irritation to eyes, reversing in 21 days

Glycerol

Acute oral toxicity : LD50 (Rat): 27200 mg/kg

Acute dermal toxicity : LD50 (Rabbit): >18700 mg/kg

Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

NTP Report on Carcinogens

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Reproductive toxicity

: This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity

:Not classified

Aspiration Hazard

: Not an aspiration hazard

Chronic effects

: Prolonged inhalation may be harmful

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Ethanol:

Toxicity to fish: LC50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): > 1,000 mg/l Exposure time: 48 h

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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

Glycerol: Toxicity to daphnia and other aquatic invertebrates: EC50 (*Daphnia magna* (Water flea)): > 10,000 mg/l Exposure time: 24 h
Persistence and degradability : No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow) : Ethanol: -0.31
Glycerol: -1.76

Mobility in soil : This product is soluble in water.

Other adverse effects : The product contains volatile organic compounds which have a photochemical ozone creation potential.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal instructions : Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. Dispose of contents/containers in accordance with local/ regional/ national/ international regulations.

Local disposal regulations : Dispose in accordance with all applicable regulations.

Hazardous waste code : D001: Waste Flammable material with a flash point <140 F
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues/ unused product : Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

Contaminated Packaging : Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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SECTION 14. TRANSPORT INFORMATION

DOT

UN number : UN1170
UN proper shipping name : Ethanol solution
Transport hazard classes : Class: 3
Subsidiary risk: -
Label(s): 3
Packing group : II
Environmental hazards : Marine pollutant: No
Special precautions for user : Read safety instructions, SDS, and emergency procedures prior to handling
Special provisions : 24, IB2, T4, TP1
Packaging exceptions : 4b, 150
Packaging non-bulk : 202
Packaging bulk : 242

IATA

UN number : UN1170
UN proper shipping name : Ethanol solution
Transport hazard classes : Class: 3
Subsidiary risk: -
Label(s): 3
Packing group : II
Environmental hazards : No
ERG code : 3L
Special precautions for user : Read safety instructions, SDS, and emergency procedure prior to handling

IMGD

UN number : UN1170
UN proper shipping name : Ethanol solution
Transport hazard classes : Class: 3
Subsidiary risk: -
Packing group : II
Environmental hazards : Marine pollutant: No
EmS : F-E, S-D
Special precautions for user : Read safety instructions, SDS, and emergency procedure prior to handling
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code : Not established

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SECTION 15. REGULATORY INFORMATION

US federal regulations

Alcohol and Tobacco Tax and Trade Bureau (27 CFR 21.76 Subpt. 40B) : Formula created according to recommended guidelines

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) :Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4) :Not listed.

SARA 304 Emergency release notification :Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) : Not listed.

Toxic Substances Control Act (TSCA) : All components of the mixture on the TSCA 8(b) inventory are designated "active".

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance :Not listed.

SARA 311/312 Hazardous :Yes
Classified hazard categories: Flammable (gases, aerosols, liquids, or solids)
Serious eye damage or eye irritation.

SARA 313 (TRI reporting) : Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List :Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) :Not regulated.

Safe Drinking Water Act (SDWA) :Not regulated.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace :Ethanol (CAS 64-17-5) Low priority
:Glycerol (CAS 56-81-5) Other Flavoring Substances with OSHA PEL's

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US state regulations

US. Massachusetts RTK - Substance List :Ethanol (CAS 64-17-5)
:Glycerol (CAS 56-81-5)

**US. New Jersey Worker and
Community Right-to-Know Act** :Ethanol (CAS 64-17-5)
Glycerol (CAS 56-81-5)

**US. Pennsylvania Worker and Community
Right-to-Know Law** :Ethanol (CAS 64-17-5)
Glycerol (CAS 56-81-5)

US. Rhode Island RTK :Ethanol (CAS 64-17-5)
Glycerol (CAS 56-81-5)

California Proposition 65 :California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

International Inventories

Country(s) or region	Inventory name On inventory	(yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION 16. OTHER INFORMATION, INCLUDING DATE OF PREPERATION OR LAST REVISION

Issue date : 30- March - 2020

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Revision date : 31 – August - 2020
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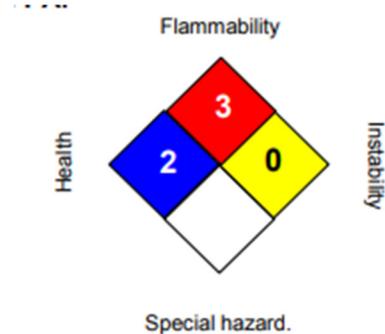
FDA guidelines for emergency response : <https://www.fda.gov/regulatory-information/search-fda-guidance-documents/policy-temporary-compounding-certain-alcohol-based-hand-sanitizer-products-during-public-health>

HMIS ratings :

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0

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

NFPA :



Full Text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)
NIOSH REL : USA. NIOSH Recommended Exposure Limits
OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH/TWA : 8-hour, time-weighted average
ACGIH/STEL : Short-term exposure limit

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NIOSH REL/TWA

: Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek

NIOSH REL/ST

: STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday

OSHA Z-1/TWA

: 8-hour time weighted average

Sources of key data used to compile the Material Safety Data Sheet

: Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>