

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : SURFACE SANITIZER 80%

Other means of identification : ETHYLALCOHOLSANITIZER

Recommended use : Use for Hand Disinfection

Restrictions of use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company : **BAMA-BIO TECH CORP**
435 12TH ST SW
VERNON, AL 35592

Emergency telephone : **FOR CHEMICAL EMERGENCY ONLY**
call CHEMTREC - 1-800-424-9300 or 703-527-3887

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SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Category 3

Eye irritation : Category 2A

GHS Classification

Hazard pictograms :



Signal Word : **WARNING**

Hazard Statements : Flammable liquid and vapor.
Causes serious eye irritation.

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 for extinction.
STORAGE: Store in a well-ventilated place. Keep cool.
DISPOSAL: Dispose of contents/container to an approved waste disposal plant.

Other Hazards : None Known

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

| Chemical Name | CAS-No. | Concentration (%) |
|-------------------|-----------|-------------------|
| Ethyl Alcohol | 64-17-5 | 80 |
| Glycerine | 56-81-5 | 1.45 |
| Hydrogen Peroxide | 7722-84-1 | 0.125 |

SECTION 4. FIRST AID MEASURES

In case of eye contact : Rinse with water.

In case of skin contact : Rinse with water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

Protection of first-aiders : No special precautions are necessary for first aid responders.

Note to physician : Treat symptomatically.

See toxicological information (Section 11)

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : High volume water jet

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

Special protective equipment for fire-fighters : Use personal protective equipment.

Specific extinguishing methods : Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

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.

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Methods and materials for containment and clean up : Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Contain spillage, then 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 source 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 container.

Storage temperature : 15 °C to 30 °C / 59 °F to 86 °F

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredients with workplace control parameters

| Ingredients | CAS-No. | Form of exposure | Permissible concentration | Basis |
|---------------|---------|------------------|---------------------------|-----------|
| ETHYL ALCOHOL | 64-17-5 | TWA | 1,000 ppm | ACGIH |
| | | TWA | 1,000 ppm | NIOSH REL |
| | | | 1,900 mg/m ³ | |
| | | TWA | 1,000 ppm | OSHA Z1 |
| | | | 1,900 mg/m ³ | |

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : No specific measures identified.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : clear

Odor : alcohol-like

pH : 6.3 - 8.5, 100%

Flash point : 13.9 °C / 57° F closed cup

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| | |
|---|---------------------|
| Odor threshold | : no data available |
| Melting point / freezing point | : < -90°C / 130°F |
| Initial boiling point and boiling range | : 77.1°C / 170.8°F |
| Evaporation rate | : 3.6 |
| Flammability (solid, gas) | : no data available |
| Upper explosion limit | : 18.0 vol % |
| Lower explosion limit | : 3.3 vol % |
| Vapor pressure | : 48 mmHg |
| Vapor density | : 1.5 |
| Specific gravity | : 0.785 - n0.792 |
| Water solubility | : soluble in water |
| Solubility in other solvents | : no data available |
| Partition coefficient: n-octanol/water | : no data available |
| Autoignition temperature | : 362.8°C / 685°F |
| Thermal decomposition | : no data available |
| Viscosity, kinematic | : no data available |
| Explosive properties | : no data available |
| Oxidizing properties | : no data available |
| Molecular weight | : no data available |
| VOC | : no data available |

SECTION 10. STABILITY AND REACTIVITY

| | |
|------------------------------------|--|
| Chemical stability | : Stable under normal conditions. |
| Possibility of hazardous reactions | : No dangerous reaction known under conditions of normal use. |
| Conditions to avoid | : Heat, flame and sparks. |
| Incompatible materials | : Strong oxidizing agents, Acids, Acid anhydrides, Acid chlorides, Peroxides, Alkali metals. |
| Hazardous decomposition products | : Carbon monoxide (CO), Carbon Dioxide (CO ₂) |
| Hazardous Polymerization | : Hazardous polymerization does not occur. |

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact.

Potential Health Effects

Eyes : Causes serious eye irritation.
 Skin : Health injuries are not known or expected under normal use.
 Ingestion : Health injuries are not known or expected under normal use.
 Inhalation : Health injuries are not known or expected under normal use.
 Chronic Exposure : Health injuries are not known or expected under normal use.
 Eye contact : Redness, Pain, Irritation.
 Skin contact : No symptoms known or expected.
 Ingestion : No symptoms known or expected.
 Inhalation : No symptoms known or expected.

Toxicity

Acute oral toxicity : Acute toxicity estimate > 5,000 mg/kg
 Acute inhalation toxicity : no data available
 Acute dermal toxicity : no data available
 Skin corrosion / irritation : no data available
 Serious eye damage / eye irritation : no data available
 Respiratory or skin sensitization : no data available

Carcinogenicity

IARC : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
 OSHA : No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
 NTP : No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
 Reproductive effects : no data available
 Germ cell mutagenicity : no data available
 Teratogenicity : no data available
 STOT- single exposure : The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT- repeated exposure : no data available

Aspiration toxicity : no data available

Ingredients

Acute inhalation toxicity : ethanol
4 h LC50 rat: 117 mg/l

Ingredients

Acute dermal toxicity : ethanol
LD50 rabbit: 15,800 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Environmental Effects : Harmful to aquatic life.

Toxicity to fish : no data available

Toxicity to daphnia and other aquatic invertebrates : no data available

Toxicity to algae : no data available

Ingredients

Toxicity to fish : ethanol
96 h LC50 Fish: 11,000 mg/l

Persistence and degradability : no data available

Bioaccumulative potential : no data available

Mobility in soil : no data available

Other adverse effects : no data available

SECTION 13. DISPOSAL CONSIDERATION

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 Waste : 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 solutions
Class : 3
Packing Group : III Environmentally
Hazardous : no

Sea transport (IMDG/IMO)

UN Number : 1170
Description of the goods : ETHANOL SOLUTION
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.

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.

The ingredients of this product are reported in the following inventories : **1907/2006 (EU)**
not determined
: **Switzerland. New notified substances and declared preparations:**
not determined
: **United States TSCA Inventory:**
On TSCA Inventory
: **Canadian Domestic Substances (AICS):**
This product contains one or several components that are not on the Canadian DSL nor NDSL.
: **Australia Inventory of Chemical Substances (AICS):**
not determined
: **New Zealand. Inventory of Chemical Substances:**
not determined

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- : **Japan. ENCS - Existing and New Chemical Substances Inventory:**
not determined
- : **Japan. ISHL - Inventory of Chemical Substances (METI):**
not determined
- : **Korea. Korean Existing Chemicals Inventory (KECI):**
not determined
- : **Philippines Inventory of Chemicals and Chemical Substances (PICCS):**
not determined
- : **China. Inventory of Existing Chemical Substances in China (ECSC):**
not determined

SECTION 16. OTHER INFORMATION

NFPA:



HMIS:

| | |
|------------------------|----------|
| HEALTH | 2 |
| FLAMMABILITY | 3 |
| PHYSICAL HAZARD | 0 |

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

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Version : 1.0

Prepared By: : Regulatory Affairs

REVISED INFORMATION : Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.