

Material Safety Data Sheet

SECTION 1 - IDENTIFICATION

Product Identifier: Hand Sanitizer
Product Use: Wipe out germs and leaves hands clean.
Chemical Family: Alcohol solution
Supplier's name and Address: Huizhou Bliss Commodity Co.,Ltd
No.8 Industrial Park, Xiaojin Village, Luoyangzhen Boluoxian Huizhou, Guangdong
Information Telephone: 86-752-7399282
Fax #: 86-752-6805107

SECTION 2 - HAZARDS IDENTIFICATION

Classification: **WHMIS information:** This product is not a WHMIS controlled product in Canada. This product is a Drug Product and is therefore not regulated as a Controlled Product under the Hazardous Products Act (HPA).
OSHA: This product is regulated under the Food and Drugs Act as a Drug product.

Emergency Overview: Transparent gel. Characteristic alcohol odor.
Caution! Flammable liquid. May cause respiratory irritation. May cause moderate to severe eye irritation. May cause respiratory irritation. Ingestion of large amounts may cause nausea, and dermatitis (rash), characterized by red, dry, itching skin.

POTENTIAL HEALTH EFFECTS:

Signs and symptoms of short-term (acute) exposure

Inhalation: Inhalation of vapours or mists may cause irritation to the nose, throat and upper respiratory tract.
Skin: May cause mild skin irritation.
Eyes: May cause moderate to severe irritation.
Ingestion: May cause irritation of mouth and throat. Ingestion of larger amounts may cause defects to the central nervous system (e.g. dizziness, headache).

Effects of long-term (chronic) exposure: Prolonged or repeated skin contact may cause defatting and drying resulting in irritation and possible dermatitis.

Carcinogenic status: See TOXICOLOGICAL INFORMATION, Section 11.

Additional health hazards: See TOXICOLOGICAL INFORMATION, Section 11.

Potential environmental effects: See ECOLOGICAL INFORMATION, Section 12.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

| INCI Listing | CAS # | W/W% |
|---------------|-----------|-----------|
| Ethyl Alcohol | 64-17-5 | 70.000000 |
| Aqua | 7732-18-5 | 26.95000 |
| Glycerin | 56-81-5 | 1.450000 |

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| INCI Listing | CAS # | W/W% |
|------------------|-----------|----------|
| Propylene Glycol | 57-55-6 | 1.000000 |
| Carbomer | 9003-01-4 | 0.500000 |
| Sodium hydroxide | 1310-73-2 | 0.100000 |

SECTION 4 - FIRST AID MEASURES

Inhalation: Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Get medical attention.

Skin contact: Wash off with soap and plenty of water. If irritation persists, seek prompt medical attention. Wash contaminated clothing before re-use.

Eye contact: Immediately flush eyes with running water for at least 20 minutes. Get medical attention.

Ingestion: Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. Seek immediate medical attention/advice.

Notes For Physician: Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability: Flammable liquid and vapour

Flammability classification (OSHA 29 CFR 1910.1200): Flammable Liquid Class 1C.

Oxidizing properties: None known.

Explosion data: Sensitivity to mechanical impact / static discharge: Not expected to be sensitive to mechanical impact or static discharge.

Suitable extinguishing media: Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

Special fire-fighting procedures/equipment: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so.

Hazardous combustion products: Toxic fumes, gases or vapours may evolve on burning.

NFPA Rating:

| | | | |
|-------------|-----------------|----------------|-----------------------|
| 0 - Minimal | 1 - Slight | 2 - Moderate | 3 - Serious |
| Health: 1 | Flammability: 3 | Instability: 0 | Special Hazards: None |

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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Personal precautions: Restrict access to area until completion of clean-up. Keep all other personnel upwind and away from the spill/release. Individuals involved in the cleanup must wear appropriate personal protective equipment. Refer to protective measures listed in sections 7 and 8.

Environmental precautions: Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.

Spill response/cleanup: Ventilate area of release. Stop the spill at source if it is safe to do so. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13). Notify the appropriate authorities as required.

Prohibited materials: None known.

Special spill response procedures: If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).
US CERCLA Reportable quantity (RQ): None reported.

SECTION 7 - HANDLING AND STORAGE

Safe Handling procedures: Use only in well-ventilated areas. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid contact with incompatible materials. Keep container tightly closed when not in use. Wash thoroughly after handling.

Storage requirements: Store in a cool, dry, well ventilated area, away from heat and ignition sources. Store away from incompatibles and out of direct sunlight. No smoking in the area. Inspect periodically for damage or leaks.

Incompatible materials: Hydrogen peroxide; Alkali metals; Strong oxidizing agents; Acids.

Special packaging materials: Always keep in containers made of the same materials as the supply container.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

| <u>Exposure Limits</u> | | | | |
|------------------------|------------------|-------------|----------------------------------|-------------|
| <u>Ingredients</u> | <u>ACGIH TLV</u> | | <u>OSHA PEL</u> | |
| | <u>TWA</u> | <u>STEL</u> | <u>PEL</u> | <u>STEL</u> |
| Ethanol | N/Av | 1000 ppm | 1000 ppm; 1900 mg/m ³ | N/Av |

Ventilation and engineering measures: Do not use in closed or confined space. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

Respiratory protection: Not required under normal conditions of handling.

Skin protection: Not required under normal conditions of handling.

Eye / face protection: Safety goggles or glasses as appropriate for the job.

Other protective equipment: An eyewash station and safety shower should be made available in the immediate working area. Depending on conditions of use, an impervious apron should be worn. Remove and wash contaminated clothing before re-use.

General hygiene considerations: Avoid contact with skin, eyes and clothing. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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|--|------------------------------|--|-----------------|
| Physical state: | Gel | Appearance: | Transparent |
| Odor: | Neow Mint | Odor threshold: | N/Av |
| pH: | 6.5-8.0 | Viscosity: | 15000-20000 cPs |
| Boiling point: | N/Av | Specific gravity: | 0.85-0.95 g/ml |
| Melting/Freezing point: | N/Av | Coefficient of water/oil distribution: | N/Av |
| Vapour pressure (mmHg @ 20°C / 68°F): | N/Av | Solubility in water: | Soluble |
| Vapour density (Air = 1) : | N/Av | Evaporation rate (n-Butyl acetate = 1): | N/Av |
| Volatile organic Compounds (VOC's): | N/Av | Volatiles (% by weight): | N/Av |
| Flash point: | 30.2°C (86.36°F) | Auto-ignition temperature: | N/Av |
| Flash point Method: | Pensky Martens Closed Cup | Upper flammable limit (% by vol.): | N/Av |
| Lower flammable limit (% by vol.): | N/Av | Flashback observed: | N/Av |
| Flame Projection Length: | N/Av | Absolute pressure of container: | N/Av |

SECTION 10 - STABILITY AND REACTIVITY

| | |
|--|---|
| Stability and reactivity: | Stable under recommended storage conditions. |
| Hazardous polymerization: | Hazardous polymerisation does not occur. |
| Conditions to avoid: | Keep out of direct sunlight. Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Do not use in areas without adequate ventilation. |
| Materials To Avoid And Incompatibility: | See Section 7 (Handling and Storage) for further details. |
| Hazardous decomposition products: | Refer to Section 5 for additional 'Hazardous combustion products' . |

SECTION 11 - TOXICOLOGICAL INFORMATION

| | |
|----------------------------|---|
| Target organs: | Eyes, skin and digestive system. |
| Routes of exposure: | <i>Inhalation:</i> YES <i>Skin Absorption:</i> NO <i>Skin & Eyes:</i> YES <i>Ingestion:</i> YES |
| Toxicological data: | There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data. |

| <u>Ingredients</u> | LC ₅₀ (4hr) | LD ₅₀ | |
|--------------------|------------------------|-------------------|------------------------|
| | <u>Inh,rat</u> | <u>(Oral,rat)</u> | <u>(Rabbit,dermal)</u> |
| Ethanol | >32380 ppm | 7060 mg/kg | >15800 mg/kg |

| | |
|------------------------------|---|
| Carcinogenic status: | No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP. Note that this product contains ethanol, a confirmed animal carcinogen (A3) by the ACGIH and human carcinogen (Group 1) by the IARC; however, this is only applicable when the chemical is present in alcoholic beverages. |
| Reproductive effects: | Not expected to cause reproductive effects. |
| Teratogenicity: | Not expected to be a teratogen. |

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- Mutagenicity:** Not expected to be mutagenic in humans. Ethanol has been shown to cause mutagenic effects but at extremely high oral doses, which are not applicable in an occupational setting.
- Epidemiology:** Not available.
- Sensitization to material:** Not expected to be a skin or respiratory sensitizer.
- Synergistic materials:** N/Av
- Irritancy:** May cause eye and skin irritation. May cause gastrointestinal irritation.
- other important hazards:** None known.
- Conditions aggravated by overexposure:** Pre-existing skin, eye and respiratory disorders.

SECTION 12 - ECOLOGICAL INFORMATION



- Ecotoxicity:** The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.
The acute toxicity of Ethanol is (IUCLID):
Toxicity to fish: LC50/96h/Pimephales promelas (Fathead minnow) = 14.2 - 15.3 mg/L
Toxicity to invertebrates EC50/48h/Daphnia magna (Water flea) = 9268 - 14221 mg/L
- Mobility:** No data is available on the product itself.
- Persistence:** The active ingredient is readily biodegradable.
- Bioaccumulation potential:** No data is available on the product itself.
- Other Adverse Environmental effects:** No data is available on the product itself.

SECTION 13 - DISPOSAL CONSIDERATIONS

- Handling for Disposal:** Handle waste according to recommendations in Section 7.
- Methods of Disposal:** Improper disposal can cause damage to the environment. Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.
- RCRA:** It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

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SECTION 14 - TRANSPORT INFORMATION

| Regulatory Information | UN Number | Shipping Name | Class | Packing Group | Label |
|---|--|------------------|-------|---------------|---|
| 49CFR/DOT | UN1170 | ETHANOL SOLUTION | 3 | III |  |
| 49CFR/DOT Additional information | Domestic US ground shipments may be shipped as Consumer Commodity, ORM-D. Refer to 49 CFR Section 173.150. | | | | |
| TDG | UN1170 | ETHANOL SOLUTION | 3 | III |  |
| TDG Additional information | This product may be shipped by ground within Canada as a Limited Quantity or Consumer Commodity. Under the TDGR, refer to Section 1.17 for additional exemption information, if shipping under this exemption. Under the TDGR, refer to Section 1.17 for additional exemption information, if shipping under this exemption. | | | | |

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

CERCLA Reportable Quantity (RQ) (40 CFR 117.302): None reported.

SARA TITLE III: Sec. 302, Extremely Hazardous Substances, 40 CFR 355: No Extremely Hazardous Substances are present in this material.

SARA TITLE III: Sec. 311 and 312, MSDS Requirements, 40 CFR 370 Hazard Classes: Fire Hazard; Acute Health Hazard. Chronic Health Hazard. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical constituents above de minimus concentrations.

US State Right to Know Laws:

California Proposition 65: This product does contain ethyl alcohol, which is known to the State of California to cause developmental harm; however, this is only applicable when the chemical is present in alcoholic beverages.

Other U.S. State "Right to Know" Lists: The following chemicals are specifically listed by individual States: Ethanol (MA, MN, NJ, CA, PA, RI).

International Information:

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

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This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

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SECTION 16 - OTHER INFORMATION

HMIS Rating: +- Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious

Health: 1 *Flammability:* 3 *Reactivity:* 0

Legend: ACGIH: American Conference of Governmental Industrial Hygienists
CA: California
CAS: Chemical Abstract Services
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CFR: Code of Federal Regulations
CNS: Central Nervous System
DOT: Department of Transportation
HMIS: Hazardous Materials Identification System
HSDB: Hazardous Substances Data Bank
IARC: International Agency for Research on Cancer
Inh: Inhalation
LC: Lethal Concentration
LD: Lethal Dose
MA: Massachusetts
MN: Minnesota
MSHA: Mine Safety and Health Administration
N/Ap: Not Applicable
N/Av: Not Available
NFPA: National Fire Protection Association
NIOSH: National Institute of Occupational Safety and Health
NJ: New Jersey
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration