

Safety Data Sheet

92000 Hand Sanitizer

Stoner

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Hand Sanitizer

Product Number: 92000

Synonyms/Generic Names: Ethanol based sanitizer

Product Use: Hand Sanitizing

Manufacturer: Stoner Incorporated
1070 Robert Fulton Hwy.
Quarryville, PA 17566

For More Information Call: 717-786-7355 (Monday-Friday 8:00-5:00pm)

In Case of Emergency Call: CHEMTREC - 800-424-9300 (24 Hours/Day, 7 Days/Week)

2. HAZARDS IDENTIFICATION

OSHA Hazards: Flammable liquid, Target organ effect, Irritant

Target Organs: Nerves, Liver, Heart

Signal Words: Danger

Pictograms



GHS Classification:

| | |
|--|-------------|
| Flammable liquids | Category 2 |
| Skin irritation | Category 2 |
| Eye irritation | Category 2B |
| Specific target organ toxicity-single exposure | Category 3 |

GHS Label Elements, including precautionary statements:

Hazard Statements:

| | |
|-----------|------------------------------------|
| H225 | Highly flammable liquid and vapor. |
| H315+H320 | Causes skin and eye irritation. |
| H401 | Toxic to aquatic life. |

Precautionary Statements:

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|----------------|--|
| P210 | Keep away from heat/sparks/open flames/hot surfaces. - No smoking. |
| P233 | Keep container tightly closed. |
| P240 | Ground/bond container and receiving equipment. |
| 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. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/face protection/eye protection. |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. 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. |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| P362 | Take off contaminated clothing and wash before reuse. |
| P370+P378 | In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. |
| P403+P235 | Store in a well ventilated place. Keep cool. |
| P501 | Dispose of contents/container to an approved waste disposal plant. |

Potential Health Effects

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|-------------------|--|
| Eyes | Causes eye irritation |
| Inhalation | May be harmful if inhaled. Causes respiratory tract irritation. |
| Skin | May be harmful if absorbed through skin. Causes skin irritation. |
| Ingestion | May be harmful if swallowed |

NFPA Ratings

| | |
|------------------------|---------------|
| Health | 2 |
| Flammability | 3 |
| Reactivity | 0 |
| Specific hazard | Not Available |

HMIS Ratings

| | |
|-------------------|---|
| Health | 2 |
| Fire | 3 |
| Reactivity | 0 |
| Personal | H |

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | Weight % | CAS # | EINECS# / ELINCS# | Formula | Molecular Weight |
|---------------|----------|---------|-------------------|--|------------------|
| Ethyl Alcohol | 85-95 | 64-17-5 | 200-578-6 | C ₂ H ₅ OH | 46.07 g/mol |
| Glycerol | 3 | 56-81-5 | 200-289-5 | C ₃ H ₈ O ₃ | 92.09 g/mol |

4. FIRST-AID MEASURES

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|-------------------|---|
| Eyes | In case of eye contact, rinse with plenty of water and seek medical attention if necessary. |
| Inhalation | Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary. |
| Skin | Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention if necessary. |
| Ingestion | Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention if necessary. |

5. FIRE-FIGHTING MEASURES

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| Suitable (and unsuitable) extinguishing media | Flammable liquid. Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material. Cool unopened containers with water. |
| Special protective equipment and precautions for firefighters | Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots. Material can react violently with water (spattering and misting) and react with metals to produce flammable hydrogen gas. |
| Specific hazards arising from the chemical | Emits toxic fumes (carbon oxides) under fire conditions. Vapors can travel to a source of ignition and flash back. Containers may explode in a fire. Cool containers from a distance using water spray. SENSITIVE TO STATIC DISCHARGE. (See also Stability and Reactivity section) |

6. ACCIDENTAL RELEASE MEASURES

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|--|--|
| Personal precautions, protective equipment and emergency procedures | See section 8 for recommendations on the use of personal protective equipment. |
| Environmental precautions | Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements. |
| Methods and materials for containment and cleaning up | Absorb spill with vermiculite or other noncombustible absorbent material, then place in a suitable container for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations. |

7. HANDLING AND STORAGE

Precautions for safe handling

Use with adequate ventilation and grounding. Wash thoroughly after using. Keep container closed when not in use. Keep away from sources of ignition. No smoking. Take measure to prevent the buildup of electrostatic charge.

Conditions for safe storage, including any incompatibilities

Store in tightly closed, original containers in a cool, dry, well ventilated area. Store between 55-100°F for product stability. Do not store with strong oxidizing agents, strong acids, peroxides, aldehydes, halogens, ammonia, acid anhydrides or alkali metals.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls: Ventilation and appropriate grounding of containers.

| Component | Exposure Limits | Basis | Entity |
|---------------|------------------------------------|-------|--------|
| Ethyl Alcohol | 1000 ppm 1900 mg/m ³ | REL | NIOSH |
| | 1000 ppm 1900 mg/m ³ | PEL | OSHA |
| | 1000 ppm 1880 mg/m ³ | STEL | ACGIH |
| | 3300 ppm | IDLH | OSHA |

TWA: Time Weighted Average over 8 hours of work.
 TLV: Threshold Limit Value over 8 hours of work.
 REL: Recommended Exposure Limit
 PEL: Permissible Exposure Limit
 STEL: Short Term Exposure Limit during x minutes.
 IDLH: Immediately Dangerous to Life or Health
 WEEL: Workplace Environmental Exposure Levels
 CEIL: Ceiling

Personal Protection

| | |
|-------------------|---|
| Eyes | Wear chemical safety glasses or goggles. |
| Inhalation | Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator. |
| Skin | Wear nitrile or rubber gloves, apron or lab coat. |
| Other | Not Available |

Other Recommendations

Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

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|---|--------------------------------|
| Appearance (physical state, color, etc.) | Clear, colorless liquid |
| Odor | Mild alcohol |
| Odor threshold | Not Available |
| pH | Not Available |
| Melting point/freezing point | -144°C (-227.2°F) |
| Initial boiling point and boiling range | 78°C (172.4°F) to 80°C (174°F) |
| Flash point | 14°C (57.2°F) |
| Evaporation rate | Not Available |
| Flammability (solid, gas) | Flammable liquid. |
| Upper/lower flammability or explosive limit | 3.3-19% |
| Vapor pressure | (@ 20°C) 44.6 mmHg |
| Vapor density | (air=1) 1.6 |
| Relative density | Not Available |
| Solubility (ies) | Completely soluble in water |
| Partition coefficient: n-octanol/water | Not Available |
| Auto-ignition temperature | 363°C (685.4°F) |
| Decomposition temperature | Not Available |

10. STABILITY AND REACTIVITY

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|---|--|
| Chemical Stability | Stable |
| Possibility of Hazardous Reactions | Will not occur. |
| Conditions to Avoid | Keep away from heat, flame and sparks. |
| Incompatible Materials | Alkali metals, ammonia, oxidizing agents, peroxides. |
| Hazardous Decomposition Products | Carbon oxides. |

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

| | |
|--------------------|---|
| Skin | Not Available |
| Eyes | Not Available |
| Respiratory | LC50 Inhalation – rat – 10 h – 20000 ppm |
| Ingestion | LD50 Oral – rat – 7,060 mg/kg Remarks: Lungs, Thorax, or Respiration: Other changes. |

Carcinogenicity

| | |
|--------------|--|
| IARC | No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |
| ACGIH | A3: Confirmed animal carcinogen with unknown relevance to humans. (Ethyl Alcohol) |
| NTP | No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. |
| OSHA | No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. |

Signs & Symptoms of Exposure

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|--------------------|--|
| Skin | Irritation, redness, itchiness. |
| Eyes | Irritation, redness, watering eyes, itchiness. |
| Respiratory | Irritation, coughing, wheezing, dizziness, drowsiness. |
| Ingestion | Irritation, nausea, vomiting, diarrhea, dizziness, drowsiness. |

| | |
|---------------------------------------|---------------------------------|
| Chronic Toxicity | Ingestion may cause blindness. |
| Teratogenicity | Not Available |
| Mutagenicity | Not Available |
| Embryotoxicity | Pre-and Post-implant mortality. |
| Specific Target Organ Toxicity | Not Available |

12. ECOLOGICAL INFORMATION

Ecotoxicity

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|-----------------------------|---|
| Aquatic Vertebrate | LC ₅₀ (96 hours): 13,000 mg/L <i>Oncorhynchus mykiss</i> (Rainbow Trout) |
| Aquatic Invertebrate | Not Available |
| Terrestrial | Not Available |

| | |
|--------------------------------------|---------------------|
| Persistence and Degradability | Not Available |
| Bioaccumulative Potential | Will not accumulate |
| Mobility in Soil | Not Available |
| PBT and vPvB Assessment | Not Available |
| Other Adverse Effects | Not Available |

13. DISPOSAL CONSIDERATIONS

| | |
|---------------------------|--|
| Waste Residues | Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product or residues. |
| Product Containers | Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container. |

The information offered in section 13 is for the product as shipped. Use and/or alterations to the product may significantly change the characteristics of the material and alter the waste classification and proper disposal methods.

14. TRANSPORTATION INFORMATION

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|------------------|------------------------------------|
| US DOT | UN1170, Ethanol solution, 3, pg II |
| TDG | UN1170, ETHANOL SOLUTION, 3, pg II |
| IMDG | UN1170, ETHANOL SOLUTION, 3, pg II |
| Marine Pollutant | No |
| IATA/ICAO | UN1170, Ethanol solution, 3, pg II |

15. REGULATORY INFORMATION

| | |
|---------------------------|---|
| TSCA Inventory Status | All ingredients are listed on the TSCA inventory. |
| DSCL (EEC) | All ingredients are listed on the DSCL inventory. |
| California Proposition 65 | Listed: Ethyl Alcohol (in alcoholic beverages) |
| SARA 302 | Not Listed |
| SARA 304 | Not Listed |
| SARA 311 | Ethyl Alcohol |
| SARA 312 | Ethyl Alcohol |
| SARA 313 | Listed: Ethyl Alcohol |
| WHMIS Canada | Class B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). |

16. OTHER INFORMATION

| Revision | Date |
|----------|------------|
| Original | 05/27/2020 |
| | |
| | |

Other Information : SDS Prepared by L. Dean Swartz, SDS Coordinator

This information contained in this SDS is believed to be accurate as of the version date, but is not warranted to be. Since the use of this information and the conditions of use of this product are not within the control of Stoner Inc, it is the user's obligation to determine the conditions of safe use.