

Safety Data Sheet

1. Product and Company Identification

Product Identifier: Hand Sanitizer

Manufacturer/Supplier Information: Millennium Mat Company
3200 Shawnee Industrial Way
Suwanee, Georgia, 30024
Phone: 678-482-5623

Additional Information Contact: SDS Compliance Department

Emergency contact: **Company (24HR): 704-392-4293**
CHEMTREC: 800-424-9300

2. Hazards Identification

Information in accordance with 29 CFR 1910.1200 (Hazcom 2012) in effect on May 25, 2012:
Classification of the chemical in accordance with 29 CFR 1910.1200(d):

Route of Entry: Eyes; Ingestion; Inhalation; Skin;
Skin Contact: Wash the affected area thoroughly with plenty of soap and water if irritation occurs
Eye Contact: Any material that contacts the eye should be washed out immediately with water.
Ingestion: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor/physician if you feel unwell
Inhalation: If affected, remove to fresh air. Get medical attention if symptoms occur.

GHS Classification: Classified as hazardous using GHS hazard class.
GHS Label elements and in accordance with 29 CFR 1910.1200(f):



Hazard pictogram(s):
Signal word: Danger
Hazard statements: H225: Highly flammable liquid and vapor
H316: Causes mild skin irritation
H319: Causes serious eye irritation
H336: May cause drowsiness or dizziness

Precautionary statements: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Take precautionary measures against static discharges. Do not breathe fumes/mist/vapors/spray. IF IN EYES: Rinse cautiously with water for several minutes. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor/ physician if you feel unwell. Use only in a well-ventilated area. Store locked up.

Information in accordance with 29 CFR 1910.1200 in effect before May 25, 2012:
Potential physical and environmental effects: None known.

HMIS Rating:	Health: 1	Fire: 3	Reactivity: 0	PPE: x
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2. Hazards Identification continued

Prevention

Wear protective gloves/protective clothing/eye protection/face protection when transferring to smaller containers for use. Do not eat, drink or smoke when using this product. Do not breathe mist or vapor.

Response

If swallowed: Rinse mouth. Do NOT induce vomiting. For large consumptions, Call a POISON CENTER/ doctor/physician if you feel unwell. If inhaled: Remove person to fresh air and keep comfortable for breathing. If skin irritation occurs, wash thoroughly after handling. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting. For large consumptions Call a POISON CENTER/doctor/physician. If spilled: Absorb spillage with inert material and dispose of in a safe manner.

Storage Store locked up.

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

3. Composition / Information on Ingredients

Chemical Name	CAS No.	Volume
Ethanol	64-17-5	80.00
Poly Acrylic Acid	9003-01-4	0.36
Water	7732-18-5	18.8486
Glycerin	56-81-5	0.79
Hydrogen Peroxide	7722-84-1	0.0014

4. First Aid Measures

Description of first aid measures:

General: If irritation or other symptoms occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention.

Eye contact: Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms occur.

Skin contact: Wash the affected area thoroughly with plenty of soap and water. Get medical attention if symptoms occur.

Inhalation: If affected, remove to fresh air. Get medical attention if symptoms occur.

Ingestion: Get medical attention if symptoms occur.

Protection of first aid responders: Wear proper personal protective clothing and equipment. Most important symptoms and effects, both acute and delayed: Irritation. Pre-existing skin problems may be aggravated by prolonged or repeated contact. See section 11 for additional information.

Indication of any immediate medical attention and special treatment needed, if necessary:

Treat symptomatically.

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5. Fire Fighting Measure

Extinguishing media:

Suitable: Use water spray, ABC dry chemical, foam or carbon dioxide. Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures.

Unsuitable: None known.

Special hazards arising from the chemical:

Unusual fire/explosion hazards: Product is not considered a fire hazard, but will burn if ignited. Closed container may rupture (due to build up in pressure) when exposed to extreme heat.

Hazardous combustion products: Irritating or toxic substances may be emitted upon burning, combustion or decomposition. See section 10 (Hazardous decomposition products) for additional information.

Special protective equipment and precautions for fire-fighters: Wear self-contained breathing apparatus (SCBA) equipped with a full face piece and operated in a pressure-demand mode (or other positive pressure mode) and approved protective clothing.

Personnel without suitable respiratory protection must leave the area to prevent significant exposure to hazardous gases from combustion, burning or decomposition. In an enclosed or poorly ventilated area, wear SCBA during cleanup immediately after a fire as well as during the attack phase of firefighting operations.

6. Accidental Release and Measure

Personal precautions, protective equipment and emergency procedures:

See Section 8 for recommendations on the use of personal protective equipment. If spilled in an enclosed area, ventilate. Eliminate ignition sources.

Environmental precautions: Methods and materials for containment and cleaning up: Contain by dikes with sand, earth or other non-combustible material.

7. Handling and Storage

Precautions for safe handling: As with any chemical product, use good laboratory/workplace procedures. Do not cut, puncture, or weld on or near the container. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Use under well-ventilated conditions. Avoid eye and skin contact. Avoid inhalation of aerosol, mist, spray, fume or vapor. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Provide eyewash fountains and safety showers in the work area.

Conditions for safe storage, including any incompatibilities: Store cool and dry, under well-ventilated conditions. Store this material away from incompatible substances (see section 10). Do not allow product to freeze. Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use. Empty container contains residual product which may exhibit hazards of product. Do not reuse container.

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8. Exposure Controls / Personal Protection

Work place occupational exposure limits and use

Ingredient	Cas #	Form Exposure Value	Permissible exposure limit	Organization
Ethanol	64-17-5	TWA	1000 ppm 1,900 mg/m ³	NIOSH
		STEL	1000 PPM	OSHA

Personal Protective Equipment (PPE): For large quantity transfers

Hand Protection: Chemical Resistant Gloves

Eye Protection: Chemical Goggles or Glasses with side shields

Skin Protection: Wear Protective Clothing

Respiratory Protection: The use of a NIOSH approved respirator protection maybe needed if working in a poor ventilated area. Wear an approved respirator (e.g., an organic vapor respirator, a full face air purifying respirator for organic vapors, or a self-contained breathing apparatus) whenever exposure to aerosol, mist, spray, fume vapor or dust exceed the applicable exposure limit(s) of any chemical substance listed in this SDS. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR).

Engineering Measures/Controls:

Ventilation: Ensure adequate ventilation, especially in confined area

Other measures: Eye wash and safety shower in work area

Exposure controls:

Appropriate engineering controls: Always provide effective general and, when necessary, local exhaust ventilation to draw spray, fume, mist and vapor away from workers to prevent routine inhalation. Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. For personal use adequate indoor ventilation for evaporation of use on hands is needed.

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9. Physical and Chemical Properties

Form and Appearance: Clear to Hazy Liquid pH, 1% in Water: 5.0 – 7.0 Boiling Point: 78 - 82 °C Specific Gravity/Relative Density: 0.85-.0.89 g/ml Explosive Limit LEL/UEL: 2-13 vol%, 50-335 g/m3 Vapor Density: 1.6 at 20°C	Odor: Alcohol Solubility in Water: Complete Flash Point: Not Determined Viscosity: 1000-10000 Centipoises Vapor Pressure: .57hPa, at 20°C Evaporation Rate: 2.3 (Butyl Acetate=1), 21(Ether=1)
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10. Stability and Reactivity

Chemical Stability:	Stable
Conditions to Avoid:	Excessive heat and ignition sources
Possibility of Hazardous reactions:	Hazardous polymerization will not occur
Incompatible Materials:	Avoid contact with strong oxidizing agents, acid and alkalis
Hazardous Decomposition Products:	Thermal decomposition may produce oxides of carbon, carbon monoxide, carbon dioxide and other harmful gases.

11. Toxicological Information

Acute Toxicity Data:	
Routes of Exposure:	Eye contact, skin contact, ingestion
Eye Contact:	Direct eye contact may cause irritation
Skin Contact:	Repeated or prolonged contact may cause skin irritation and dermatitis.
Ingestion:	Ingestion may cause poisoning in large quantities.
Inhalation:	Inhalation may cause irritation of the respiratory tract and mucous membranes.
Skin Sensitization:	Not a skin sensitizer.

Acute Toxicity/Effects: Not classified (based on available data, the classification criteria are not met).

ATEmix (oral rat LD50): 5045 mg/kg.
ATEmix (dermal rabbit LD50): 12870 mg/kg.

Oral (LD50):	Acute: > 5000 mg/kg (Rat)
Dermal (LD50):	Acute: > 2000 mg/kg (Rabbit)
Inhalation	72 mg/l 4 hours

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11. Toxicological Information

Carcinogenicity:	Not Classified	IARC No	NTP No	ACGIH No	OSHA No
Carcinogenic Status:	Not classified				
Germ Cell Mutagenicity:	Not classified				
Reproductive Toxicity:	Not classified				
Aspiration Hazard:	Not classified				
Specific Target Organ Toxicity single and repeated Exposure:	Not classified				

12. Ecological Information

Toxicity: The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Ethanol	15300.00,Pimephales Promelas	5012,Daphnia magna	275(72hr),Scenedesmus

Persistence and degradability: No specific information available

Bio accumulative potential: No specific information available

Mobility in soil: No specific information available.

13. Disposal Information

Product: Dispose of absorbed material/content and/or container in accordance with local, state, federal and/or international regulations.

Packaging: **Dispose of product** in accordance to local, state and/or federal regulations.

For waste disposal purposes, this product is not known to be defined or designated as hazardous by current provisions of the Federal (EPA) Resource Conservation and Recovery Act (RCRA, 40CFR261). Incinerate waste product when in liquid form (i.e., as supplied) in a properly permitted (approved) incineration facility in accordance with federal, state and local regulations. Liquids cannot be disposed of in a landfill.

See Section 8 for recommendations on the use of personal protective equipment.

Safety Data Sheet**14. Transportation Information****US DOT Regulations (Land Transport): (Not regulated in packages less than 119 gallons)****UN Proper Shipping Name:** Ethanol, 3**Hazard Class:** Flammable Liquid, Class 3**UN Number:** 1170**Packing Group:** II**Label Required:** ETHANOL SOLUTIONS**Other Information:** N/A**IMDG**

UN Number:	UN1170
UN Proper Shipping Name:	ETHANOL SOLUTIONS
Transport Hazard Class(es)Class(es):	3 Label(s): 3EmSNo.: F-E,S-D
Packing Group:	II
Marine Pollutant:	No

IATA

UN Number:	UN1170
Proper Shipping Name:	ETHANOL SOLUTIONS
Transport Hazard Class(es):	3 Class(es): 3Label(s): 3
Marine Pollutant:	No
Packing Group:	II

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15. Regulatory Information

Contents of this MSDS comply with the OSHA standard 29 CFR 1910.1200/ HazCom 2012.

Domestic Regulations

TSCA Status: Components in this material are listed on the TSCA inventory.

CERCLA Hazardous Substances (RQ):

U.S. Superfund Amendments and Reauthorization Act (SARA) - SARA Section 313:
None Known

SARA Section 311/ 312: No hazards categories identified

SARA Section 302 / 304: No components identified

Clean Air Act Section 112(TQ): TQ – Ethanol

State Information:
California Proposition 65: The following component in this product is known to the State of California to cause cancer, birth defects, or other reproductive harm.

None Known

**State Right to Know/
Hazardous Substance List** The following chemicals are present on one or more Right to Know/
Hazardous Substance Lists for the states of MA, MN, NJ, PA and RI.

Information: None Known

This is not an exhaustive list. For information on listings in other states, please consult that state's RTK/HSL.

U.S. Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) Reportable Quantity (RQ):

Chemical Name	RQ (lbs)	RQ (kg)
None		

U.S. Superfund Amendments and Reauthorization Act (SARA) - SARA Section 313:
None Known

Mexico Regulations/Legislation: This SDS contains the information required by NOM-018-STPS-2000 Workplace Hazardous Chemical Substances Communication and Identification Standard.

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15. Regulatory Information (continued)

Canada regulations/legislation: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.
Canadian Workplace Hazardous Material Information System (WHMIS) classification: Not controlled
Canadian Ingredient Disclosure List: None known to be present or none in reportable amounts

Canada Regulations/Legislation: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.
Canadian Workplace Hazardous Material Information System (WHMIS) classification: Not controlled
Canadian Ingredient Disclosure List: None known to be present or none in reportable amounts

Chemical inventories:	Regulation	Status
	Canadian Domestic Substances List (DSL):	No
	Canadian Non-Domestic Substances List (NDSL):	No

16. Other Information

HMIS (Hazardous Materials Identification System) Ratings:

Health: 1 Flammability: 3 Reactivity (Stability): 0 Personal Protection: X

NFPA (National Fire Protection Association) Ratings:

Health: 1 Flammability: 3 Instability: 0

Key: 0=Insignificant; 1=Slight; 2=Moderate; 3=High; 4=Extreme. An asterisk appearing after the HMIS Health numerical rating denotes a chronic hazard.

Key to Abbreviations:

NDA - No data available N/D - Not determined N/A - Not applicable N/E - Not established
IARC- International Agency for Research Cancer
ACGIH: American Conference of Governmental Industrial Hygienists
STEL: Short Term Exposure Limit
TWA: Time Weighted Average (exposure for 8-hour workday)

Users Responsibility/Disclaimer of Liability:

All information, recommendations and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by CHEMATRON, Inc. as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does CHEMATRON, Inc. assume any liability arising out of use by others, or the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.