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SECTION 1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY UNDERTAKING

GHS Identifier

Product name: Antiseptic Hand Sanitizer Spray (80% v/v)

Other Means of Identification:

Part Number	09726: 12 mL
	09853: 2 fl oz Bottle
	09854: 4 fl oz Bottle
	09855: 8 fl oz Bottle
	09856: 12 fl oz Bottle
	09857: 16 fl oz Bottle
	09858: 16 fl oz Station with Wipes
	09859: 12 fl oz Station with Wipes
	09860: 60 Pc. Display Tub (12 mL)
	09862: Gallon
	09865: 5 Gallon

Formula Code: SKM-FDA 80%

Synonyms: Hand Sanitizer Spray

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 users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

Supplier's Details:

Company name of Supplier: SKM Industries, Inc.

Address: 1012 Underwood Road, Olyphant, PA 18447

Telephone: 570.383.3062

Emergency telephone: CHEMTREC 1-800-424-9300

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Flammable liquids: Category 3

Eye irritation: Category 2A

GHS Label Hazard pictograms:



Signal Word: Warning

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 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.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

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

Disposal: P501 Dispose of contents/ container to an approved waste disposal plant. Other hazards Vapors may form explosive mixture with air.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance: Mixture **Ingredients:**

CAS-No.	Chemical Name	Concentration Vol(%)
64-17-5	Ethanol	80%
7732-18-5	Water	18.4%
56-81-5	Glycerine	1.45%
7722-84-1	Hydrogen Peroxide	0.125%

Hazardous Ingredients:

CAS-No.	Chemical Name	Concentration Vol (%)
64-17-5	Ethanol	80%
7722-84-1	Hydrogen Peroxide	0.125%

SECTION 4. FIRST AID MEASURES

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.

Inhalation: 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.

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.

Ingestion: 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. Seek medical attention immediately. **Important Effects/Symptoms:** See section #2 Causes serious eye irritation.

Protection of first-aiders:

First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists. Notes to physician: Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water spray Alcohol-resistant foam Dry chemical Carbon dioxide (CO₂)

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.

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 cleanup: 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.

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. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters Ingredients

CAS-No.	Chemical Name	Value	Control Parameters	Basis
64-17-5	Ethanol	TWA.	1000ppm	NIOSH REL
7722-84-1	Hydrogen Peroxide.	TWA.	1ppm	NIOSH REL

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 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: Impervious gloves

Material: Flame retardant gloves

Remarks: 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.

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 reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: liquid

Color: Clear, Colorless

Odor: alcohol

Odor Threshold: No data available

pH @ 70 degrees F: 6.0 – 7.0

Water Solubility: Infinite

Vapor Density: >1 (air =1)

Evaporation Rate: <1 (butyl acetate = 1)

Viscosity: 5 Centipoise @ 25 deg C

Specific Gravity: Not Determined

Flash Point: Above 23°C

Melting point/freezing point: No data available

Initial boiling point and boiling range: No data available

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: YES

Skin contact: YES

Ingestion: NO

Eye contact: YES

Acute toxicity:

Not classified based on available information.

Product:

Acute oral toxicity: Acute toxicity estimate(Oral LD50) : > 7,060 mg/kg Method: Calculation method

Ingredients:

Ethanol:

Acute oral toxicity: LD50 (Rat): > 7,060 mg/kg

Acute inhalation toxicity: LC50 (Rat): 124.7 mg/l

Exposure time: 4 hours

Test atmosphere: vapor

Skin Corrosion Irritation:

Result:

No skin irritation

Hydrogen Peroxide:

Acute oral toxicity: LD50 (Rat): > 225 mg/kg

Acute inhalation toxicity: LC50 (Rat): 170 mg/l

Exposure time: 4 hours

Test atmosphere: vapor

Skin Corrosion Irritation:

Moderate

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity Ingredients:

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

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

Persistence and degradability Ingredients:

Ethanol: Biodegradability Result: Readily biodegradable.

Biodegradation: 84 % Exposure time

Hydrogen Peroxide:

Biodegradability Result: Readily biodegradable. Result: > 99.9 % -

Readily eliminated from water (OECD test Guideline 302B)

Mobility in soil: Will likely be mobile in the environment due to its water solubility but will likely degrade over time

Other adverse effects: Decomposes into oxygen and water. No adverse effects

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 16.4 mg/l Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): > 7.7 mg/l

Exposure time: 48 h

Toxicity to algae: EC50 (Algae Skeletonema): 1.38 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)): 0.63 mg/l

Exposure time: 9 d

Persistence and degradability Ingredients:

Ethanol: Biodegradability Result: Readily biodegradable.

Biodegradation: 84 % Exposure time

Hydrogen Peroxide: Biodegradability Result: Readily biodegradable. Result: > 99.9 % - Readily eliminated from water (OECD test Guideline 302B)

Biodegradation: 84 % Exposure time

Other adverse effects: No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods Waste From Residues: Dispose of in accordance with local regulations.

Contaminated Packaging: Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not burn, or use a cutting torch on, the empty container.

SECTION 14. TRANSPORT INFORMATION

DOT:

International Regulation UNRTDG UN number: UN 1170

Proper shipping name: ETHANOL SOLUTIONS (Ethanol, 2-Propanol,2-methy)

Transport Hazard Class(es): CLASS 3

Subsidiary Risk: None

Packing group: II

ERG Number: 127

IATA:

UN Number: UN1170

UN Proper Shipping Name: ETHANOL SOLUTIONS (Ethanol, 2-Propanol,2-methy)

Transport Hazard Class(es): CLASS 3

Subsidiary Risk: None

Packing Group: II

Environmental Hazards: No

ERG Code: 127

Special Precautions for user: Read safety instructions, SDS and emergency procedures before handling

IMDG:

UN Number: UN1170

UN Proper shipping name: ETHANOL SOLUTIONS (Ethanol, 2-Propanol,2-methy)

Transport Hazard Class(es): CLASS 3

Subsidiary Risk: None

Packing Group: II

Labels: 3 Flammable Liquids

Environmental Hazards: Marine

Pollutant : Yes

EmS: F-E, S-D

Special Precautions for user: read safety instructions, SDS and emergency procedures before handling

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.

Domestic regulation 49 CFR UN/ID/NA number: UN 1170

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: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: The following components are subject to reporting levels established by SARA Title III, Section 313: US State Regulations

Pennsylvania Right To Know:

CAS-No.	Chemical Name	Concentration Vol(%)
64-17-5	Ethanol	80 %
7732-18-5	Water	18.4 %
56-81-5	Glycerine	1.45 %
7722-84-1	Hydrogen Peroxide	0.125 %

New Jersey Right To Know:

CAS-No.	Chemical Name	Concentration Vol(%)
64-17-5	Ethanol	80 %
7732-18-5	Water	18.4 %
56-81-5	Glycerine	1.45 %
7722-84-1	Hydrogen Peroxide	0.125 %

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: AICS: All ingredients listed or exempt. Inventories AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA) SAFETY DATA SHEET

SECTION 16. OTHER INFORMATION

Further information NFPA: HMIS III: 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 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 Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, Revision Date : 03/20/2020

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

Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.