Superior Glove Works Ltd

Safety Data Sheet
Alcohol Antiseptic 80% Hand Sanitizer

Section 1: Identification

Product Name: Alcohol Antiseptic 80% Hand Sanitizer
Other Names : Synergy ™
CAS Number: Not applicable. Product is a mixture.
Manufacturer/Supplier: Superior Glove Works Ltd
Address: 36 Vimy Street, Acton , Ontario, L7J 1S1, Canada
Transportation Emergency Number: CHEMTREC: 1-800-424-9300 USA
CANUTEC (24HR EMERGENCY TELEPHONE): 1-888-226-8832
*666 from Mobile – Canada

Product Use: Hand Sanitizer – Non sterile solution to help reduce bacteria that can potentially cause disease

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.

Section 2: Hazard(s) Identification

GHS Classification
Flammable liquids: Category 3
Eye irritation: Category 2A
GHS Label element
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: Mixture
Hazardous Ingredients:

Chemical Name	CAS-No.	Concentration (% v/v)
Ethanol	64-17-5	=< 80
Hydrogen Peroxide	7722-84-1	0-0.125
Glycerin	56-81-5	0-1.45

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.
If inhaled: If inhaled, remove to fresh air. Get medical attention if symptoms occur. May cause allergic respiratory reaction. If breathing has stopped contact emergency medical services immediately and give artificial respiration
In case of skin contact: In case of skin irritation or allergic reactions get medical attention.
In case of eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do so, remove contact lens, if worn. Get medical attention.
If swallowed: 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: 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 and supportively.

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. MSHA/NIOH (Approved/Equivalent) Use personal protective equipment.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Avoid contact with eyes and clothing. Ensure adequate ventilation. 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 cleaning up: 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.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethanol	64-17-5	TWA	1,000 ppm 1,900 mg/m3	NIOSH REL
Glycerin	56-81-5	TWA 10 mg/m mist	TWA: 15 mg/m" mist, total particulate TWA: 5 mg/m3 mist, respirable fraction (vacated) TWA: 10 mg/m3 mist, total particulate (vacated) TWA: 5 mg/m3 mist,	

Engineering measures: Minimize workplace exposure concentrations. Use only in an area equipped with explosion proof exhaust ventilation. Use with local exhaust ventilation. Eye wash stations
Personal protective equipment
Respiratory protection: No protective equipment is needed under normal use conditions. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and 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/ flame resistant gloves, long sleeved clothing.
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 re-use.

Section 9: Physical and Chemical Properties

Appearance: Liquid.
Color: Clear, colorless to slightly hazy
Odor: Alchol, sweet
pH @ 25C: 6.5 - 8.5
Specific Gravity @ 25ºC: 0.86 -0.88
Molecular Formula: Mixture

Melting/freezing point: No information available.
Boiling point/ boiling range: No information available. **Flash Point**: No information available.
Flammability (solid, gas): Not applicable.
Vapor pressure: No information available.
Vapor density: No information available.

Relative density: No information available.
Water solubility: Miscible with water
Auto ignition temperature: No information available.
Decomposition temperature: The substance or mixture is not classified self-reactive.
Evaporation rate: No data available
Upper explosion limit: No data available
Lower explosion limit: No data available
Solubility(ies) Water solubility: soluble
Partition coefficient: ethanol/water: Not applicable
Explosive properties: Not explosive
Oxidizing properties: The substance or mixture is not classified as oxidizing.

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

There is no data for this product. The information included in this section describes the potential hazards of the individual ingredients.

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

Acute toxicity: Not classified based on available information.
Product:
Acute oral toxicity: Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method

Ingredients: Ethanol:
Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity: LC50 (Rat): 124.7 mg/l Exposure time: 4 h Test atmosphere: vapor

Skin corrosion/irritation: Not classified based on available information.
Product:
Result: No skin irritation

Ingredients: Ethanol:
Species: Rabbit

Method: OECD Test Guideline 404
Result: No skin irritation

Serious eye damage/eye irritation: Causes serious eye irritation.
Ingredients: Ethanol:
Species: Rabbit
Result : Irritation to eyes, reversing within
21 days Method: OECD Test Guideline 405

Respiratory or skin sensitization
Skin sensitization: Not classified based on available information.
Respiratory sensitization: Not classified based on available information.

Product: Assessment: Does not cause skin sensitization.

Ingredients: Ethanol:

Test Type: Local lymph node assay (LLNA)
Routes of exposure: Skin contact Species: Mouse
Result: Negative

Germ cell mutagenicity: Not classified based on available information.
Ingredients: Ethanol:
Genotoxicity in vitro:
Test Type: In vitro mammalian cell gene mutation test Result: negative
Genotoxicity in vivo:
Test Type: Rodent dominant lethal test (germ cell) (in vivo) Species: Mouse
Application Route: Ingestion Result: negative

Carcinogenicity: Not classified based on available information.

Reproductive toxicity: Not classified based on available information.
Ingredients: Ethanol:
Effects on fertility:
Test Type: Two-generation reproduction toxicity study Species: Mouse
Application Route: Ingestion Method: OECD Test Guideline 416 Result: negative

Repeated dose toxicity
Ingredients: Ethanol:
Species: Rat
NOAEL: 2,400 mg/kg Application Route: Ingestion Exposure time: 2 y
Aspiration toxicity: Not classified based on available information.

Section 12: Ecological Information

Eco toxicity:
There is no ecological data on this product**.**

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: 20 d

Bioaccumulative potential
Ingredients: Ethanol:
Partition coefficient: noctanol/water : log Pow: -0.35

Mobility in soil: No data available
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 drum.

Section 14: Transport Information

International Regulation
UNRTDG
UN number: UN 1987
Proper shipping name: ALCOHOLS, N.O.S. (Ethanol)
Class: 3
Packing group: III
Labels: 3

IATA-DGR
UN/ID No.: UN 1987
Proper shipping name: Alcohols, n.o.s. (Ethanol)
Class: 3
Packing group: III
Labels: Flammable Liquids
Packing instruction (cargo aircraft): 366
Packing instruction (passenger aircraft): 355

IMDG-Code
UN number: UN 1987
Proper shipping name: ALCOHOLS, N.O.S. (Ethanol)
Class: 3
Packing group: III
Labels: 3
EmS Code: F-E, S-D
Marine pollutant: no
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 1987
Proper shipping name: ALCOHOLS, N.O.S. Class: 3

Packing group: III

Labels: FLAMMABLE LIQUID
ERG Code: 127

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- Yes
Acute Health Hazard- No
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

US State Regulations
Pennsylvania Right To Know:

Ethanol	CAS# 64—17-5	50 – 80%
Water	CAS# 7732-18-5	10 – 50%

New Jersey Right To Know:

Ethanol	CAS# 64—17-5	50 – 80%
Water	CAS# 7732-18-5	10 – 50%

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), NECSI (Taiwan), TSCA (USA)

Section 16: Other Information

Further information
NFPA:

HMIS III:
HEALTH: 2
FLAMMABILITY: 3

PHYSICAL HAZARD: 0
Issuing date : 4/10/2020
Revision Date : None

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.