

Hand Sanitizer 80%

(P/N 4109-25)

1. Product and company identification

Product name: Hand Sanitizer 80%
Synonyms: Hand sanitizer, hand cleaner
Product number: 4109-25
Company: Weber Scientific Microbiologique,
2732 Kuser Road Inc. 8315 Lake City
Hamilton, NJ 08691 Way Seattle, WA
USA 98115
USA
Emergency Phone: ChemTel 1-800-255-3924
Product Info calls: 1-206-525-0412
Recommended use: Laboratory use only

2. Hazards identification

GHS label elements, including precautionary statements:



Signal Word:

Warning and flammable category 3, eye irritant category 2A

Hazard statement(s)

H226 Flammable liquid and vapor

H320 Causes eye irritation

Precautionary statement(s)

P103 Read label before use

P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.

P233 Keep container tightly closed

P235 + P403 Store in a well-ventilated place and keep cool

P260 Do not breathe vapors

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

P313 + P337 If eye irritation persists get medical attention

P330 If swallowed, rinse mouth with water

P331 Do not induce vomiting

P370 + P378 In case of fire: use dry sand, dry chemical or alcohol-resistant foam for extinction

This is not a comprehensive list

3. Composition/information on ingredients

Chemical name: Mixture

Common name: Mixture

Ingredient	% Volume	CAS No	EINECS No.
Ethyl Alcohol	80	64-17-5	200-578-6
Glycerin	1.45	56-81-5	200-289-5
Hydrogen Peroxide	0.125	7722-84-1	231-765-0
Denatonium benzoate	<0.1	3734-33-6	223-095-2
Sterile, Reverse Osmosis Laboratory Purified Water	Balance	7732-18-5	231-791-2

4. First-aid measures

Description of first aid measures

General	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice
Inhalation	Remove person to fresh air. Artificial respiration should be given if breathing has stopped and cardiopulmonary resuscitation if heart has stopped. Administer oxygen if necessary. Seek medical attention immediately.
Eye contact	Immediately wash eyes with water for 20 minutes holding eyelids open. Remove contact lenses if present and easy to do so, continue rinsing. Seek medical attention immediately
Ingestion	Never give anything by mouth if victim is unconscious. Rinse mouth out with water. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Drink at least 8 fl.oz. of water to help dilute material in stomach. Avoid excess ingestion of fluids. Seek medical attention immediately

Descriptions of symptoms and effect both acute and delayed

General	Eye irritation. Burning pain and severe corrosive to skin damage. Provide general supportive measures and treat symptomatically
Inhalation	May cause respiratory irritation
Skin contact	Prolonged skin contact may cause dermatitis and defatting
Eye contact	Serious eye damage may cause redness, swelling, itching, burning, tearing, and blur
Ingestion	May be harmful if ingested

Always seek medical attention if you feel unwell whenever possible

5. Fire-fighting measures

Suitable extinguishing media: Use alcohol resistant foam, carbon dioxide, dry chemical media, fog. Do not use heavy water stream

Special firefighting procedures: Use caution with fighting any chemical fire. Isolate immediate hazard area and keep unauthorized personnel out of area. Move containers away from fire, if possible. Use water spray to cool fire exposed container and structures.

Unusual fire and explosion hazards: During fire, gases may be hazardous to health. Do not use heavy water stream. Vapors may cause explosive mixture with air.

6. Accidental release measures

General	• Use special care to avoid static charges • Remove all sparking agents and heat sources • Use protective equipment • No smoking near product • Avoid all eye and skin contact • Do not breathe open mist or vapor
Spill	• Contain spilled material • Provide adequate ventilation • Provide adequate protective equipment and clothing for first responders • Spill should be collected in suitable container or absorbed on a suitable absorbent material for subsequent disposal • Any such container use of absorbent material used should be disposed of properly in a sealed container • Prevent spills from entering sewer system • Only use non-sparking materials and equipment
Emergency Response	• Use appropriate PPE • Evacuate unnecessary personnel • Recognize the presence of dangerous goods • Secure the area • Call for trained personnel able to handle dangerous goods
Environmental Precaution	• Prevent entry into sewer systems and public water ways • Notify authorities if material enters sewer systems
Waste Disposal	• Waste material should be disposed of in an approved incinerator or in designated land fill site, in compliance with local, state and federal laws • Suppress gases/vapors/mists with water spray jets

7. Handling and storage

Precautions for Safe Handling	• Handle empty containers with care because to any residual vapors or residue • Handle in accordance of good industrial chemical hygiene • Keep away from open flames and sparks or heat sources • Always keep storage containers closed and sealed when not in use • Use in area with adequate ventilation • Always use protective gear with handling • Do not openly breathe vapors from product • Avoid contact with eyes • Proper grounding procedures are required to avoid static electricity • Store in cool dry place, temperatures below 100°F • Incompatible with strong oxidizers, acids, bases, salts, acid chlorides, alkali metals, metal hydrides, and hydrazine
Materials to Avoid	• Oxidizing agents • Organic peroxides • Flammable solids • Pyrophoric liquids • Pyrophoric solids • Self-heating substances and mixtures • Explosives • Gases
General	See 27 CFR 20.112 for more detailed information

8. Exposure controls / personal protection

Respiratory Equipment	• 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 (29 CFR 1910.134) • Use positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure level is unknown, or any other circumstance where air purifying respirators may not provide adequate protection • Up to 1000ppm, an approved vapor cartridge respirator can be used • For concentrations above 1000ppm, an air supply respirator is recommended • Should consult a respirator guide
Ventilation	• Area should be well ventilated • Ventilation system should be non-sparking, grounded and separate from exhaust systems • Local ventilation is recommended when handling • Gas detectors should be used when flammable gases/vapors may be released

Eye protection	Chemical resistant mono-goggles when handling
Protective gloves	• Neoprene, butyl or natural rubber form glove material • Impervious gloves, flame retardant 6 P a g e SAFETY DATA SHEET: HAND SANITIZER 80% • Chemical resistance gloves • Change gloves often • For special applications, we recommend clarifying the resistance to chemical of the protective gloves with the glove manufacturer •
Hygiene measures	• Ensure that eye flushing systems and safety showers are located closed to the working place • When using, do not eat, drink or smoke • Wash contaminated clothing before re-use
Other	• Select appropriate clothing based on chemical resistance data and an assessment of the local exposure • Wear the following personal protective equipment: flame retardant antistatic protective clothing • Eye bath, safety shower, and other protective equipment as required • Full fire protective clothing is recommended • Do not eat, drink or smoke when handling product

9. Physical and chemical properties

Property	Data
Appearance	Colorless liquid
Odor	Typical ethanol/lower alcohol odor
Odor Threshold	N/A
pH	6.5-8.5
Melting/Freezing point	-115.0 deg C
Boiling Point range	70.0 deg C
Flash point	>25.0 deg C
Evaporation rate	N/A
Lower flammability limit	N/A
Upper flammability limit	N/A
Vapor pressure	N/A
Vapor density	N/A
Relative density (liquid)	0.8750 g/cm3
Solubility in water	Complete
Solubility in oil-coefficient of water/oil distribution	Separates from oil
Partition coefficient n-octanol/water	0.032 approx.
Auto-ignition temperature	Approx. 370 deg C
Decomposition temperature	Specific data not available
Viscosity	7000cp-15000cp@20.0C
% volatiles by volume	N/A

10. Stability and reactivity

Reactivity	Stable and non-reactive at standard temperature and pressure
Conditions to avoid	Open flames, sparks, heat sources and hot surfaces
Possibility of hazardous reactions	Oxidizing materials
Hazardous decomposition products	Burning can produce carbon monoxide and/or carbon dioxide and/or formaldehyde
Hazardous polymerization	Will occur

11. Toxicological information

Ingestion	• May cause dizziness, faintness, drowsiness, decreased sensitivity, decrease awareness, abdominal discomfort, vomiting, nausea, lack of coordination • May cause digestive tract burns
Skin absorption	• Harmful amounts of material may be absorbed across abraded skin through prolonged contact
Inhalation	• At concentrations which cause irritations, dizziness, faintness, drowsiness, nausea, and vomiting may occur
Skin contact	• Repeated or prolonged exposure may lead to dermatitis, scaling or erythema
Eye contact	• Severe eye irritant • Vapors can irritate eyes • Eye damage from contact with liquid is reversible with proper treatment • Damage to eyes are mild to moderate conjunctivitis, seen as redness
Effects of long term exposure	• Prolonged exposure to skin may result in burning skin and corrosive skin damage. Can cause serious eye damage.
Medical conditions aggravated by overexposure	• May cause eye blindness over repeated exposure
Other reproductive toxicity of ethanol	• Has been identified in studies as a development toxicant when consumed as a beverage during pregnancy
Other	• It has no confirmed teratogenic, mutagenic, or reproductive effects in humans • No data available to designate product as an aspiration hazard or cause specific organ toxicity through repeated exposure

12. Ecological information

Ecotoxicity:

Acute fish toxicity (ethanol)
LC50/96 hour Pimephales promelas (fathead minnow) > 1000 mg/l

Toxicity to aquatic plants (ethanol)
Growth inhibition/96 hours Chlorella vulgaris (freshwater algae) 275 mg/l

Toxicity to microorganisms (ethanol)
Toxicity threshold/pseudomonas putida 6,500 mg/l
Summary: Inhibition of cell multiplication begins

Persistence and degradability:
Biodegradation is expected

Bioaccumulative potential:
Bioaccumulation is unlikely

Other adverse effects:
Not available

Acute fish toxicity (glycerin)
This product is safe of the environment at the concentrations predicted under normal use conditions

Persistence and degradability:
No data available

Bioaccumulative potential:
Bioaccumulation is unlikely

Other adverse effects:
No data available

Acute fish toxicity (Hydrogen Peroxide)

This product is safe of the environment at the concentrations predicted under normal use conditions

Persistence and degradability:
No data available

Bioaccumulative potential:
No Bioaccumulation

Other adverse effects:
No data available

Acute fish toxicity (Denatonium benzoate)
LC50/96 hour Rainbow trout >1000 mg/l

Persistence and degradability:
No data available

Bioaccumulative potential:
Bioaccumulation is unlikely

Other adverse effects:
No data available

13. Disposal considerations

Spill • Contain spilled materials • Provide adequate ventilation • Remove all sources of heat or flames or ignition • Always wear protective gear • Spill should be collected in suitable containers for absorbed on a suitable absorbent material

Waste disposal • Collect and reclaim or dispose in sealed containers • Dispose of waste material in accordance with local, state, and federal regulations • Dispose in designated land fill site in accordance with local, state, and federal regulations • Waste material should be disposed of in an approved incinerator.

14. Transport information

In Accordance with DOT

Proper shipping name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Hazard Class : 3

Identification Number : UN1170

Label Codes : 3

Packing Group : III

In Accordance with IMDG

Proper Shipping Name : ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Hazard Class : 3

Identification Number : UN1170

Packing Group : III

Label Codes : 3

In Accordance with IATA

Proper Shipping Name : ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Packing Group : III

Identification Number : UN1170

Hazard Class : 3

Label Codes : 3

ERG Code (IATA) : 3L

In Accordance with IMDG

Proper Shipping Name : ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Hazard Class : 3

Identification Number : UN1170

Label Codes : 3

15. Regulatory information

US Federal Regulations

Hand Sanitizer 80%

Sara section 304 Emergency Release Notification	Not regulated
Sara Section 302 Extremely hazardous substance	Not listed
Sara section 311/312 hazardous	Fire hazard
Sara section 313 (tri reporting)	Not regulated
TSCA Section 12(B) export notification	Not listed
CERCLA Hazardous substances list (40 CFR 707, Subpt.d)	Not regulated
OSHA specifically regulated substances (29 CFR 1910.1001-1050)	Not listed
Superfund Amendments and Reauthorization Act of 1986 (SARA)	• Hazard categories - not immediately hazardous • Delayed Hazard - no • Fire Hazard – yes • Pressure Hazzard – no • Reactivity Hazard - yes
Clean air act (CAA) Section 112 Hazardous air pollutants (HAPS)	Not listed
Clean Air Act (CAA) Section 112(R) Accidental release prevention (40 CFR 68.130)	Not regulated
Safe drinking water act (SDWA)	Not regulated

California Prop 65 Components

Warning! This product contains a chemical known to the state of California to cause birth defects or other reproductive harm when drunk as a beverage: (Ethyl Alcohol) CAS No. 64-17-5 Revision date: December 11 2009

16. Other information

This is the first version of this document.

DISCLAIMER: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Weber Scientific and Microbiologique, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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