

Section 1: Identification

Product Name:	SIREtizer	In case of emergency call:
Other names:	Hand Sanitizer, Ethanol	Safety-Kleen: 1-888-375-5336 24 Hour Emergency Response
Manufacturer:	Southwest Iowa Renewable Energy 10868 189 th Street Council Bluffs, IA 51503 (712) 366-0392	NDC: 74560-001

Section 2: Hazard Identification

GHS Classification

Flammable Liquid: Category 3

Eye Irritation: Category 2B



GHS Pictograms:

Signal Word:	Warning
Hazard Statement:	Flammable liquid and Vapor Cause eye irritation
Precautionary Statements:	Prevention: Keep away from heat/sparks/open flames/hot surfaces. No Smoking. Keep container tightly closed Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses. If irritation persists get medical advice/attention. In case of fire: Use dry sand, dry chemicals or alcohol-resistant foam for extinction Storage: Store in a well-ventilated place. Keep cool. Disposal: Dispose of contents/container to an approved waste disposal facility
Hazard Statements:	H226- Flammable Liquid and vapor H302 – Harmful if swallowed H320 Causes eye irritation

Section 3: Composition

Hazardous Components	CAS No.	Volume%
Denatured Ethanol	64-17-5	80%
Hydrogen Peroxide	7722-84-1	0.1-0.5%
Glycerol/Glycerin	56-81-5	1-2%

Section 4: First Aid Measures

Inhalation:

Seek medical attention if symptoms occur.

Eye Contact:

Flush eyes with plenty of water for at least 15 minutes. Consult a physician if irritation persists after flushing eyes.

Skin Contact:

If irritation occurs wash with water.

Ingestion:

Contact a physician or poison control immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Section 5: Fire Fighting Measures

Fire Fighting Instruction:

Use water spray to cool unopened containers.

DO NOT use high volume water jet.

In the event of fire do not breathe fumes.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations

Hazardous Combustion Products:

Carbon oxides including carbon monoxide and carbon dioxide

Section 6: Accidental Release Measures

Personal Precautions:

Remove all sources of ignition. Ensure clean-up is conducted by trained personnel only

Environmental Precautions:

Do not allow contact with soil, surface or ground water.

Methods and Materials for Containment and Cleanup:

Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material (e.g., sand earth, diatomaceous earth, vermiculite) and place in container for disposal according to local, state, and federal regulations Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Section 7: Handling and Storage

Precautions for Safe Handling:

Avoid contact with eyes. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from fire, sparks and heated surfaces. Use only with adequate ventilation.

Conditions for Safe Storage:

Keep away from heat and sources of ignition. Keep in a cool, well ventilated place. Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.

Section 8: Exposure Control and Personal Protection

Ingredient	OSHA PEL	ACGIH TLV
Ethanol	1000 ppm	1000 ppm



Effective Date: 3/30/2020

SIREtizer**Engineering Controls:**

Good general ventilation should be sufficient to control workers exposure to airborne contamination.

Respiratory Protection:

No protective equipment is needed under normal use.

Protective Gloves:

No protective equipment is needed under normal use.

Eye Protection:

Eye protection should be used when splashing may occur

Section 9: Physical and Chemical Properties

Appearance and Odor Clear, colorless liquid with alcohol odor

Physical State Liquid

pHe 5.0-6.0

Freezing Point N/A

Initial Boiling Point N/A

Flash Point N/A

Evaporation Rate (ethanol) 1.4

Flammability Explosive Limits (ethanol) LFL; 3.3% UFL; 19%

Vapor Pressure (DVPE) N/A

Vapor Density (Air = 1) (ethanol) 1.6

Specific Gravity 0.8575

Solubility in Water (ethanol) Complete

Auto Ignition Temperature (ethanol) 793°F (423°C)

Section 10: Stability and Reactivity

Stability:

Stable

Conditions to Avoid:

High heat, sparks and flames

Incompatibility (Materials to Avoid):

None known

Hazardous decomposition products:

Carbon oxides

Section 11: Toxicological Information

Effects of Acute Overexposure:

Eyes: Can cause moderate irritation, redness, tearing.

Skin: Can cause slight irritation, redness and dryness.

Breathing: Health injuries are not known or expected under normal use.

Swallowing: Can cause gastrointestinal irritation.

Effects of Chronic Overexposure: Health injuries are not known or expected under normal use.

Carcinogenicity: No NTP – No IARC Monographs – No OSHA Regulated



Section 12: Ecological Information

Toxicity: Data is not available

Section 13: Disposal Considerations

Disposal methods:

The product should not be allowed to enter drains, water courses or the soil. When possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations:

Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers.

Section 14: Transportation Information

US DOT Classification: Consumer Commodity, ORM-D

Placard Identification: UN 1170, Ethanol Solutions

Section 15: Regulatory Information

SARA Section 302 (Extremely Hazardous Substance): Not Applicable

SARA Section 311/312 (Hazard Categories): Acute Health Hazards and Fire Hazard

SARA Section 313 (Toxic Chemicals): Not Applicable for ethanol.

CERCLA: Not Determined

Section 16: Other Information

Date of Preparation: March 30, 2020

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