

# SAFETY DATA SHEET

Issuing Date: December 6, 2019

Supersedes previous versions

This product is packaged for retail sale and intended for consumer use. The U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) does not apply to "consumer products" as defined by the U.S. Consumer Product Safety Act and Federal Hazardous Substances Act, including consumer products used in the workplace under typical duration and frequency of exposure as experienced by consumers when used for the intended purpose. This Safety Data Sheet (SDS) is provided as a courtesy to assist with proper use and safe handling. Applicable consumer product use and safety information is provided on the product label.

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** Sun & Earth Fabric Refresher & Odor Eliminator (All Variants)

### Other means of identification

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Various

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

**Supplier Name** Nehemiah  
**Supplier Address** 1907 South St  
Cincinnati  
OH  
45204  
**Supplier Phone Number** Phone: 5134582055  
Contact Phone: 5134582043  
**Supplier Email** mwuellner@nehemiahmfg.com  
**Emergency telephone number**

## 2. HAZARDS IDENTIFICATION

### Classification

This mixture is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). SDS information pertains to product as delivered in original containers. Risk of adverse effects is lessened by following all label precautions and instructions, including the use of personal protective equipment.

### GHS Label elements, including precautionary statements

Routes of exposure: eye contact, skin contact

### Emergency Overview

<b>Signal word</b>	Not Applicable	
<b>Pictogram</b>	None Applicable	
<b>Appearance</b> Clear	<b>Physical State</b> Liquid	<b>Odor</b> Fresh

**GHS Hazard Classification:**

Not Classified

**Hazard Statements:**

Not applicable

**Precautionary Statements - Prevention**

Not applicable

**Precautionary Statements – Response**

Not applicable

**Precautionary Statements - Storage**

Not applicable

**Precautionary Statements - Disposal**

Not applicable

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**

None known

**Other information**

Prolonged or repeated contact may cause skin dryness or irritation

Not expected to cause eye irritation.

If accidentally swallowed, may cause slight stomach distress, nausea or vomiting

If accidentally inhaled, may cause slight respiratory irritation.

**Interactions with Other Chemicals**

No information available

Do not mix directly with other chemicals.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Weight-%	Trade Secret
Bio-Based Ethanol	64-17-5	1-5%	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret

**4. FIRST AID MEASURES****First aid measures****Eye Contact**

If severe eye irritation occurs or persists, get medical attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing.

**Skin Contact**

If severe skin irritation or allergic reaction occurs or persists, get medical attention. Wash off immediately with plenty of water for at least several minutes and remove all contaminated clothes and shoes.

**Inhalation**

Remove to fresh air. If symptoms persist, get medical attention.

**Ingestion**

Do not induce vomiting. Drink plenty of water. If symptoms persist, get medical attention.

**Self-protection of the first aider**

Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8).

**Most important symptoms and effects, both acute and delayed****Most Important Symptoms and Effects**

No information available.

**Indication of any immediate medical attention and special treatment needed****Notes to Physician**

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. This includes: Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol resistant foam.

**Unsuitable Extinguishing Media**

None known

**Specific Hazards Arising from the Chemical**

Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.

**Uniform Fire Code****Hazardous Combustion Products**

Carbon oxides.

**Explosion Data**

**Sensitivity to Mechanical Impact**

No

**Sensitivity to Static Discharge**

Not under normal conditions

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Avoid contact with eyes. Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Do not touch or walk through spilled material. Stop leak or spill only if no risk of personal injury or exposure

**Environmental Precautions****Environmental Precautions**

Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so.

**Methods and material for containment and cleaning up: Industrial****Methods for Containment**

Prevent further leakage or spillage if safe to do so. Do not touch or walk through spilled material. Dike far ahead of liquid spill for later disposal.

**Methods for cleaning up** Before attempting clean-up, refer to Hazards information above  
 Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**Methods and material for containment and cleaning up: Household**

**Methods for Containment** Follow directions on the product label

**Methods for cleaning up** Follow directions on the product label

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling: Industrial** Avoid prolonged skin exposure. Do not ingest.

**Handling: Household** Follow directions on the product label

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep wipes in original container. Keep tightly container closed to retain moisture.  
 Keep containers tightly closed in a dry, well-ventilated place at room temperature.  
 Keep away from children and pets.  
 Keep away from heat, sparks, flame and sources of ignition (pilot lights, static electricity). Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

**Incompatible Products** None known. Do not mix directly with other products

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Bio Based Ethanol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm 10% LEL TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>

*ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health*

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

**Appropriate engineering controls**

**Engineering Measures** Showers  
 Eyewash stations  
 Good ventilation system

**Individual protection measures, such as personal protective equipment**

**Household:** Follow directions on the product label

**Industrial:**

**Eye/Face Protection** Tight sealing safety goggles.

**Skin and Body Protection** No special protective equipment required.  
 For sensitive skin or prolonged exposure, wear rubber gloves

**Respiratory Protection** No protective equipment is needed under normal use conditions. If exposure limits are

exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical and Chemical Properties**

<b>Physical State</b>	Liquid		
<b>Appearance</b>	Clear	<b>Odor</b>	No data available
<b>Color</b>	Water White	<b>Odor Threshold</b>	No information available
<b>Property</b>	<b>Values</b>	<b>Remarks/ Method</b>	
pH	7.5-9.5	None known	
Melting / freezing point	No data available	None known	
Boiling point / boiling range	About 212F	None known	
Flash Point	No flash point	None known	
Evaporation Rate	No data available	None known	
Flammability (solid, gas)	No data available	None known	
Flammability Limit in Air			
Upper flammability limit	No data available		
Lower flammability limit	No data available		
Vapor pressure	No data available	None known	
Vapor density	No data available	None known	
Specific Gravity	0.981 g/mL	None known	
Water Solubility	Soluble in water	None known	
Solubility in other solvents	No data available	None known	
Partition coefficient: n-octanol/water	No data available	None known	
Autoignition temperature	No data available	None known	
Decomposition Temperature	No data available	None known	
Kinematic viscosity	No data available	None known	
Dynamic viscosity	No data available	None known	
Explosive properties	No data available		
Oxidizing Properties	No data available		

**Other Information**

<b>Softening Point</b>	No data available
<b>VOC Content (%)</b>	No data available
<b>Particle Size</b>	No data available
<b>Particle Size Distribution</b>	

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage and use conditions.

**Possibility of Hazardous Reactions**

None under normal storage and use conditions

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

None known based on information supplied.

**Hazardous Decomposition Products**

Carbon oxides.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

Product is not expected to have acute or chronic effects based on normal use

**Product Information** Product does not present an acute toxicity hazard based on known or supplied information.

**Inhalation** Specific test data for the substance or mixture is not available.

**Eye Contact** Specific test data for the substance or mixture is not available.

**Skin Contact** Specific test data for the substance or mixture is not available.

**Ingestion** Specific test data for the substance or mixture is not available.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Bio Based Ethanol 64-17-5	-	-	= 124.7 mg/L ( Rat ) 4 h

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Bio Based Ethanol 64-17-5	A3	Group 1		X

*ACGIH (American Conference of Governmental Industrial Hygienists)*

*A3 - Animal Carcinogen*

*IARC (International Agency for Research on Cancer)*

*Group 1 - Carcinogenic to Humans*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

*X - Present*

**Reproductive Toxicity:** No information available.

**STOT - single exposure:** No information available.

**STOT - repeated exposure:** No information available.

**Aspiration Hazard:** No information available.

**Numerical measures of toxicity Product Information**

Not known

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

**Persistence and Degradability**

No information available.

**Bioaccumulation**

Chemical Name	Log Pow
SD Alcohol 40 (190 Proof) 64-17-5	-0.32

**Other adverse effects**

No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal methods: Household** Follow directions on the product label

**Disposal methods: Industrial** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult local authorities for advice and additional requirements.

**Contaminated Packaging** Dispose of contents/containers in accordance with state and local regulations.

**California Hazardous Waste Codes 135**

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Bio Based Ethanol 64-17-5	Toxic Ignitable

**14. TRANSPORT INFORMATION**

<b><u>DOT</u></b>	NOT REGULATED
<b>Proper Shipping Name</b>	NON REGULATED
<b>Hazard Class</b>	N/A
<b><u>TDG</u></b>	Not regulated
<b><u>MEX</u></b>	Not regulated
<b><u>ICAO</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated
<b>Proper Shipping Name</b>	NON REGULATED
<b>Hazard Class</b>	N/A
<b><u>IMDG/IMO</u></b>	Not regulated
<b>Hazard Class</b>	N/A
<b><u>RID</u></b>	Not regulated
<b><u>ADR</u></b>	Not regulated
<b><u>ADN</u></b>	Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

TSCA Complies  
 DSL All components are listed either on the DSL or NDSL.

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

Acute Health Hazard No  
 Chronic Health Hazard No  
 Fire Hazard No  
 Sudden release of pressure hazard No  
 Reactive Hazard No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals. Ethyl alcohol is only a considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

Chemical Name	California Proposition 65
SD Alcohol 40 (190 Proof) - 64-17-5	Developmental

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Bio Based Ethanol 64-17-5		X			

**International Regulations**

**Mexico**

**National occupational exposure limits**

Component	Carcinogen Status	Exposure Limits
Bio Based Ethanol 64-17-5 ( 1 - 5 )		Mexico: TWA 1000 ppm Mexico: TWA 1900 mg/m <sup>3</sup>

*Mexico - Occupational Exposure Limits - Carcinogens*

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards 1</b>	<b>Flammability 1</b>	<b>Instability 0</b>	<b>Physical and Chemical Hazards</b>
<b>HMIS</b>	<b>Health Hazards 1</b>	<b>Flammability 1</b>	<b>Physical Hazard 0</b>	<b>Personal Protection X</b>

**Revision Date** December 6, 2019  
**Revision Note** Consumer verbiage updates

**Disclaimer**

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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**