

SAFETY DATA SHEET

Issuing Date: November 14, 2019

Revision Date: 6/16/2020

Supercedes 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 Glass Cleaner

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 Manufacturing Company, LLC
Supplier Address 1907 South St
Cincinnati OH 45204

Supplier Phone Number Phone: 1-513-351-5700

Supplier Email responsibility@nehemiahmfg.com

Emergency telephone number

Verisk 3E: 1-866-519-4752
Access Code: 335485

2. HAZARDS IDENTIFICATION

Classification

This mixture is not 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

Signal word	Not Applicable	
Pictogram	None Applicable	
Appearance Clear	Physical State Liquid	Odor 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
SD Alcohol 40 (190 Proof)	64-17-5	<4%	*
Acetic Acid	64-19-7	<1%	*

*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

No information available.

Indication of any immediate medical attention and special treatment needed

No information available.

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 (CO₂). 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
SD Alcohol 40 (190 Proof) 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) 1900 mg/m ³	IDLH: 3300 ppm 10% LEL TWA: 1000 ppm TWA: 1900 mg/m ³

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

Physical State	Liquid	Odor	No data available
Appearance	Clear	Odor Threshold	No information available
Color	Water White		
<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>	
pH	4.0-5.0	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	1.000 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

Softening Point	No data available
VOC Content (%)	No data available
Particle Size	No data available
Particle Size Distribution	

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
SD Alcohol 40 (190 Proof) 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
SD Alcohol 40 (190 Proof) 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
SD Alcohol 40 (190 Proof) 64-17-5	Toxic Ignitable

14. TRANSPORT INFORMATION

<u>DOT</u>	NOT REGULATED
Proper Shipping Name	NON REGULATED
Hazard Class	N/A
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated
Proper Shipping Name	NON REGULATED
Hazard Class	N/A
<u>IMDG/IMO</u>	Not regulated
Hazard Class	N/A
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ADN</u>	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
SD Alcohol 40 (190 Proof) 64-17-5		X			

International Regulations

Mexico

National occupational exposure limits

Component	Carcinogen Status	Exposure Limits
SD Alcohol 40 (190 Proof) 64-17-5 (1 - 5)		Mexico: TWA 1000 ppm Mexico: TWA 1900 mg/m ³

Mexico - Occupational Exposure Limits - Carcinogens

16. OTHER INFORMATION

NFPA	Health Hazards 1	Flammability 1	Instability 0	Physical and Chemical Hazards
HMIS	Health Hazards 1	Flammability 1	Physical Hazard 0	Personal Protection X

Revision Date/Note November 14, 2019 - Document Creation
December 7, 2019 - Consumer verbiage updates
6/16/2020 – Updated Emergency information and retail sale and intended for consumer use paragraph

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