

SAFETY DATA SHEET

Issuing Date: August 25, 2016

Supersedes previous versions

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

Product identifier

Product Name Febreze Laundry Odor Eliminator

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Fabric Care

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Name Nehemiah
Supplier Address 1130 Findlay St
Cincinnati
OH
45214
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

Signal word	Warning	
		
Pictogram		
Appearance Clear	Physical State Liquid	Odor Fresh

Potential Health Hazards (acute and chronic) for consumers: This is a specialty freshening and fragrance product that is safe for consumers and other users under normal and reasonably foreseeable conditions of use

GHS Hazard Classification:

Flammable Liquid Category 3

Hazard Statements

Flammable liquid and vapour

Precautionary Statements - Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking
 Keep container tightly closed
 Ground and bond container and receiving equipment
 Use explosion-proof equipment
 Use non-sparking tools
 Take action to prevent static discharges
 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 In case of fire: Use water spray, CO₂, dry chemical or foam for extinction

Precautionary Statements - Storage

Store in a well-ventilated place at room temperature.
 Keep out of reach of children and pets

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal facility.
 Consult with local emergency services for advice

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	<24%	*
Hydrochloric Acid	7647-01-0		*
1,2-benzisothiazolin-3-one (preservative constituent)	2634-33-5		*
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione (preservative constituent)	6440-58-0		*

*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 (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

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.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Avoid prolonged skin exposure. Do not ingest.

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 No not mix directly with other products

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
Hydrochloric Acid		7 mg/m ³	
1,2-benzisothiazolin-3-one	TLV not established		
,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	TLV not established		

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

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	Fresh
Appearance	Colorless	Odor Threshold	No information available
Color	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	3.7 – 5.0	None known
Melting / freezing point	No data available	None known
Boiling point / boiling range	About 212F	None known
Flash Point	137F	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	0.9 to 1.1	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 (%)	5%
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

STOT - single exposure

STOT - repeated exposure

Chronic Toxicity

Target Organ Effects

Aspiration Hazard

Numerical measures of toxicity Product Information

Not known

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**

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

US DOT, IATA, IMO, ADR:

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS: This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

UN IDENTIFICATION NUMBER: UN1170
PROPER SHIPPING NAME: Ethanol Solution
HAZARD CLASS NUMBER and DESCRIPTION: Class 3
PACKING GROUP: III
DOT LABEL(S) REQUIRED: Flammable
NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER: 127
LIMITED QUANTITY:

173.150(g) Limited quantities of retail products containing ethyl alcohol.

(1) Beverages, food, cosmetics and medicines, medical screening solutions, and concentrates sold as retail products containing ethyl alcohol classed as a flammable liquid or flammable solid containing NOT more than 70% ethyl alcohol by volume for liquids, by weight for solids are excepted from the HMR (Hazardous Materials Regulations) provided that:

(i) For **non-glass** inner packagings:

- (A) The volume does not exceed 16 fluid ounces in capacity for liquids; or
- (B) For volumes greater than 16 fluid ounces but not exceeding 1 gallon the company name and the words "Contains Ethyl Alcohol" are marked on the package;
- (C) Solids containing ethyl alcohol may be packaged in non-glass inner packagings not exceeding 1 pounds capacity;
- (D) For weight greater than one pound up to 8 pounds the company name and the words "Contains Ethyl Alcohol" are marked on the package.

(ii) For **glass** inner packagings:

- (A) The volume does not exceed 8 fluid ounces in capacity; or
- (B) For volumes greater than 8 fluid ounces to 16 fluid ounces the company name and the words "Contains Ethyl Alcohol" are marked on the package;
- (C) Solids containing ethyl alcohol may be packaged in glass inner packagings not exceeding 1/2 pound;
- (D) For weight greater than 1/2 pound up to 1 pound the company name and the words "Contains Ethyl Alcohol" are marked on the package.

(iii) The **net liquid contents** of all inner packagings in any single outer packaging may not exceed 192 fluid ounces. The net solid contents of all inner packagings in any single outer packaging may not exceed 32 pounds. The gross weight of any single outer package shipped may not exceed 65 pounds; Inner packagings must be secured and cushioned within the outer package to prevent breakage, leakage, and movement.

(2) Beverages, food, cosmetics and medicines, medical screening solutions, and concentrates sold as retail products containing ethyl alcohol classed as a flammable liquid or flammable solid containing **MORE than 70% ethyl alcohol** by volume, by weight for solids are **excepted from** the HMR provided that:

- (i) For inner packagings containing liquids the volume does not exceed 8 fluid ounces in capacity;
- (ii) Solids containing ethyl alcohol are not packed in inner packagings exceeding 1/2 pound in weight;
- (iii) The net liquid contents of all inner packagings in any single outer packaging may not exceed 192 fluid ounces. The net solid contents of all inner packagings in any single outer packaging may not exceed 32 pounds. The gross weight of any single outer package shipped may not exceed 65 pounds. Inner packagings must be secured and cushioned within the outer package to prevent breakage, leakage, and movement.

(3) For transportation by **passenger or cargo aircraft**, no outer package may be transported which contains an inner packaging exceeding:

- (i) 16 fluid ounces of flammable liquid, or
- (ii) 1 pound of solids containing flammable liquid.

ENVIRONMENTAL HAZARDS:

MARINE POLLUTANT: The components of this product are not designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

SPECIAL PRECAUTION FOR USER: None

INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA): This product is considered as dangerous goods.

INTERNATIONAL MARITIME ORGANIZATION SHIPPING INFORMATION (IMO): This product is considered as dangerous goods.

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 August 23, 2016
Revision Note August 5 2016 - Updated SDS to included revised flash point
August 23 2016 – Updated Shipping Classification

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