

Issue Date 12-Feb-2013

SAFETY DATA SHEET

Revision Date 25-Oct-2018

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier	
Product Code	17340
Product Name	Liquid Softener

Other means of identification

Recommended use of the chemical and restrictions on use Use only for the purpose on the product label.

Details of the supplier of the safety data sheet

Manufacturer / Manufactured For Detergent Services, Inc. 2607 Talina Way Houston, TX 77080 Phone (713) 868-2094 <u>Emergency telephone number</u> 24 Hour Emergency Phone Number: 1-800-535-5053

2. HAZARDS IDENTIFICATION

Classification

Label elements

Emergency Overview

Appearance Yellow

Physical state Liquid

Odor Citrus

Precautionary Statements - Response

Specific Treatment (See Section 4 on the SDS).

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Drink plenty of water.

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed. Store in a cool, dry place away from strong oxidizing agents. Keep locked up and out of the reach of children.

Precautionary Statements - Disposal

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Hazards not otherwise classified (HNOC)

Other Information

Unknown Acute Toxicity

9.37% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
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				
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.			
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If irritation persists, call a physician.			
Inhalation	If mists/vapors are formed or irritation occurs, leave area and do not return until mists/vapors have dissipated. If irritation persists, call a physician.			
Ingestion	Rinse mouth. Do NOT induce vomiting. Drink plenty of water. If irritation persists, call a physician.			
Most important symptoms and effects, both acute and delayed				
Symptoms The product causes irritation of eyes, skin and mucous membranes.				
Indication of any immediate medical attention and special treatment needed				
Note to physicians	Treat symptomatically.			

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

No Information available.

Explosion data Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

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	Ensure adequate ventilation, especially in confined areas.
Environmental precautions	
Environmental precautions	See Section 12 for additional ecological information.
Methods and material for containme	ent and cleaning up_
Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Contain spill. Dilute spilled material with water.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials Incompatible with oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	
Ethanol	STEL: 1000 ppm	TWA: 1000 ppm	IDLH: 3300 ppm	
64-17-5		TWA: 1900 mg/m ³	TWA: 1000 ppm	
		(vacated) TWA: 1000 ppm	TWA: 1900 mg/m ³	
		(vacated) TWA: 1900 mg/m ³		

NIOSH IDLH Immediately Dangerous to Life or Health

Other Information Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962

Engineering Controls	Showers, Eyewash stations & Ventilation systems.	
Engineering Controls	Showers, Eyewash stations & ventilation systems.	

(11th Cir., 1992).

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).	
Skin and body protection	Wear chemical resistant gloves.	
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators or air purifying respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.	
General Hygiene	Handle in accordance with good industrial hygiene and safety practice.	

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Appearance Odor Odor threshold	Liquid Yellow Citrus No Information available	
Property_	<u>Values</u>	Remarks • Method
рН	2.5 - 3.5	
Specific Gravity	1.004	
Viscosity	No Information available	Remarks
Melting point/freezing point	No Information available	
Boiling point / boiling range	212 / ° F Degrees	
Flash point	N/A	
Evaporation rate	< 1	(butyl acetate = 1)
Flammability (solid, gas)	No Information available	,

Upper flammability limit:
Lower flammability limit:
Vapor pressure
Vapor density
Water solubility
Partition Coefficient
(n-octanol/water)
Autoignition temperature
Decomposition temperature

Other Information

Density Lbs/Gal VOC Content (%) N/A N/A N/A completely soluble No Information available No Information available

N/A

No Information available

No Information available 2.32

10. STABILITY AND REACTIVITY

Reactivity No data available

<u>Chemical stability</u> Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Elevated temperature.

Incompatible materials

Incompatible with oxidizing agents.

Hazardous Decomposition Products

Oxides of carbon and nitrogen.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	No data available
Inhalation	No data available.
Eye contact	No data available.
Skin Contact	No data available.
Ingestion	No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethanol	= 7060 mg/kg (Rat)	-	= 124.7 mg/L (Rat)4 h
64-17-5	· ·		

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.
Germ cell mutagenicity	No Information available.
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen.
	Ethanol has been shown to be carcinogenic in long-term studies only when consumed as
	alcoholic beverage.

Liquid Softener

Chemical Name	ACGIH	IARC	NTP	OSHA	
Ethanol	A3	Group 1	Known	Х	
64-17-5					
ACGIH (American Confe	rence of Governmental Inc	lustrial Hygienists)			
A3 - Animal Carcinogen					
IARC (International Ager	ncy for Research on Cance	er)			
Group 1 - Carcinogenic to Humans					
NTP (National Toxicolog					
Known - Known Carcinoge	en				
OSHA (Occupational Sat	fety and Health Administra	tion of the US Department o	of Labor)		
X - Present					
Reproductive toxicity No Information available.					
STOT - single exposure No Information available.					
STOT - repeated exposure					
Chronic toxicity					
······		hanol has been shown to b			
		s alcoholic beverage.	se carentegerne in long ten		
A opiration barand	No Informatio	0			
Aspiration hazard	No informatio	on avaliable.			

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 9.37% of the mixture consists of ingredient(s) of unknown toxicity. The following values are calculated based on chapter 3.1 of the GHS document .

12. ECOLOGICAL INFORMATION

Ecotoxicity

9.37% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Ethanol	-	12.0 - 16.0: 96 h Oncorhynchus	9268 - 14221: 48 h Daphnia magna
64-17-5		mykiss mL/L LC50 static 100: 96 h	mg/L LC50 10800: 24 h Daphnia
		Pimephales promelas mg/L LC50	magna mg/L EC50 2: 48 h Daphnia
		static 13400 - 15100: 96 h	magna mg/L EC50 Static
		Pimephales promelas mg/L LC50	
		flow-through	

Persistence and degradability

No Information available.

Bioaccumulation

No Information available.

Chemical Name	Partition coefficient	
Ethanol	-0.32	
64-17-5		

Other adverse effects

No Information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	
Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Do not reuse container.

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

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

14. TRANSPORT INFORMATION

The shipping classification information in this section (Section 14) is meant as a guide to the overall classification of the product. However, transportation classifications may be subject to change with changes in package size. Consult shipper requirements under 49 CFR, IATA and IMDG to assure regulatory compliance.

DOT

Not regulated

15. REGULATORY INFORMATION

International Inventories	
TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Does not comply
IECSC	Complies
KECL	Does not comply
PICCS	Does not comply
AICS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory.

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List.

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

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 has been evaluated and does not require warning labeling under California Proposition 65.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethanol	Х	X	Х
64-17-5			

U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

16. OTHER INFORMATION				
HMIS	Health hazards 2	Flammability 0	Physical hazards 0	Personal protection X
Legend N/A - Not Applicable N/E - Not Established N/D - Not Determined N/K - Not Known				
Issue Date	12-Feb-20)13		
Revision Date	25-Oct-20	18		
Revision Note	New form	at		
<u>Disclaimer</u>				
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,				

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