SAFETY DATA SHEET

Revision Date 07/01/2015 **SDS REVISION NUMBER:** 1

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

Product identifier
Product name ANTIMICROBIAL HAND LOTION SOAP #652

Other means of identification
Product codes F6652-NZZL-000, F6652-RGLR-000
Synonyms NONE

Recommended use of the chemical and restrictions on use
Recommended Use General Purpose Antimicrobial Soap
Uses advised against No information available.

Details of the supplier of the safety data sheet
Manufacturer Address
Liberty Enterprises
43 Liberty Drive
Amsterdam, New York 12010
www.LibertyCleanProducts.com

Emergency telephone number
EMERGENCY TELEPHONE LIBERTY: 1-518-954-3002
CHEMTREC: 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Eye irritation	Category 2B

Label elements

Emergency Overview

WARNING

Hazard statement
Causes eye irritation

Appearance Opaque Pale Yellow **Physical State** Liquid **Odor** Floral

Precautionary Statements – Response
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.

Hazards not otherwise classified (HNOC)
None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture: Mixture

Chemical Name	CAS-No.	Concentration (%)
TALL OIL ACID (C18)	61790-12-3	5 – 10
POTASSIUM HYDROXIDE (KOH 45%)	1310-58-3	0 – 5
PROPYLENE GLYCOL	57-55-6	0 – 5
POLYMETHOXY BICYCLIC OXAZOLIDINE	56709-13-8	0 – 5
CHLOROXYLENOL (PCMX)	88-04-0	0 – 5

4. FIRST AID MEASURES

First aid measures

General advice No hazards which require special first aid measures.

Eye contact IF IN EYES: Flush eyes under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, seek medical/advice attention.

Skin contact IF ON SKIN: If irritation persists, wash with water.

Inhalation IF INHALED: Get medical attention if symptoms occur.

Ingestion IF SWALLOWED: Contact a physician or poison Control Center immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

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 None known.

Specific hazards arising from the chemical
Carbon oxides.

Protective equipment and precautions for firefighters
Firefighters should use personal protective equipment. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions No special measures required.

Environmental precautions

Environmental precautions Avoid contact of large amounts of spilled material runoff with soil and surface waterways.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Absorb with inert material. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Wash hands after handling. Keep out of reach of children.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed. Store between 32 and 122 degrees F.

Incompatible materials No information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Ingredients	CAS-No.	Form of Exposure	Permissible Concentration	Basis
TALL OIL ACID (C18)	61790-12-3	TWA	5 mg/m^3	ACGIH
				OSHA
POTASSIIUM HYDROXIDE (KOH 45%)	1310-58-3	TWA	2 mg/m^3	ACGIH CEILING
PROPYLENE GLYCOL	57-55-6	TWA	10 mg/m^3	NIOSH
POLYMETHOXY BICYCLIC OXAZOLIDONE	56709-13-8	TWA	0.3 ppm	AIHA CEILING
			0.016 ppm	NIOSH REL
			0.1 ppm	NIOSH CEILING
			0.75 ppm	OSHA
			2 ppm	OSHA STEL

Appropriate engineering controls

ENGINEERING CONTROLS No information available.

Individual protection measures, such as personal protective equipment

Eye/face protection	Eye protection should be used when splashing may occur.
Skin and body protection	No protective equipment is needed under normal use.
Respiratory Protection	No protective equipment is needed under normal use.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid		
Appearance	Opaque Pale Yellow	**Odor**	Floral
Color	Yellow	**Odor threshold**	No information available

Property	**Values**	**Remarks • Method**
pH	9.5 typical	
Melting point/freezing point	Not applicable	
Boiling point / boiling range	Not applicable	
Flash point	Not applicable	
Evaporation rate	< 1	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	Not applicable	
Lower flammability limit:	Not applicable	
Vapor pressure	Not applicable	
Vapor density	Not applicable	
Specific gravity	No information available	
Water solubility	No information available	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	Not applicable	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	

Other Information

Softening point	No information available
VOC (EPA METH.24) (G/L):	No information available
Density	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY

REACTIVITY
No data available

Chemical stability
Stable under normal conditions.

Possibility of Hazardous Reactions
None known under conditions of normal use.

CONDITIONS TO AVOID
None known.

Incompatible materials
None known.

Hazardous Decomposition Products
Carbon Oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	Inhalation, eye contact, skin contact
Inhalation	Health injuries are not known or expected under normal use.
Eye contact	Cause of irritation.
Skin contact	Health injuries are not known or expected under normal use.
Ingestion	Health injuries are not known or expected under normal use.

Information on toxicological effects

Inhalation	No symptoms known or expected.
Eye contact	Redness, irritation.
Skin contact	No symptoms known or expected.
Ingestion	No symptoms known or expected.

Numerical measures of toxicity - Product Information

Acute oral toxicity	Acute toxicity estimate: > 5,000 mg/kg
Acute inhalation toxicity	No data available
Acute dermal toxicity	Acute toxicity estimate: > 5,000 mg/kg
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	Mild eye irritation

Numerical measures of carcinogenicity - Product Information

IARC	No compound of this product presents at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed human carcinogen by IARC..
OSHA	No ingredient of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No ingredient of this product presents at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

12. ECOLOGICAL INFORMATION

The product ingredients are expected to be safe for the environment at the concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

Ecotoxicity
No information available.

Persistence and degradability
No information available.

Bioaccumulation

No information available.

Other adverse effects
No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes 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 practical, 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.

14. TRANSPORT INFORMATION

Proper shipping name Not Regulated by DOT

15. REGULATORY INFORMATION

US Federal Regulations
TSCA Complies

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

CERCLA
Not Determined.

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)
Not Determined.

US State Regulations

California Proposition 65
Not Determined.

U.S. State Right-to-Know Regulations

U.S. EPA Label Information
EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA

Health hazards	1
Flammability	0
Instability	0

Physical and Chemical Properties -

HMIS

Health hazards	1
Flammability	0
Physical hazards	0
Personal protection	

Prepared By	Liberty Enterprises, from Kutol P10026 F010 04/10/15, Rev. 1.0
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Revision Note	

Disclaimer

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***** END OF SDS *****