

SAFETY DATA SHEET
Ron Lemon Mop Neutral Cleaner
Concentrated Neutral Floor Cleaner

1.1 Product identifier

Product name: Lemon Mop Neutral Cleaner

Product codes(s): Ron 545

Synonyms: None known

REACH Registration Number: No data available

2. Relevant identified uses of the substance or mixture and uses advised against

General use: Floor cleaner

Uses advised against: No uses advised against

3. Details of the supplier and of the safety data sheet

Manufacturer/Distributor

Sunline, L.L.C.

1300 Alden Road

Orlando, FL 32803-1895 USA

+1-407-896-2129

4. Emergency telephone number: +1-407-896-2129 during business hours; +1-407-415-8751 nights and weekends

1. Classification of substance or mixture

Product definition: Mixture

Classification in accordance with 29 CFR 1910 (OSHA HCS)

Skin Irritation - Category 3 [H316]

Eye Irritation - Category 2A [H319]

2. Label Elements

Hazard Symbol(s):



GHS07

Signal Word:

Warning

Hazard Statement(s):

H316 - Causes, mild, transient skin irritation

H320 - Causes serious eye irritation

Precautionary Statements:

[Prevention]

P264 - Wash hands or other skin areas contacting this product thoroughly after handling.

P280 - Wear protective gloves and eye protection.

[Response]

P305 + P351 + P338 + P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor immediately.

P332 + P313 - If skin irritation occurs: Get medical attention.

P337 + P313 - If eye irritation persists: Get medical attention.

1. Substances

Not applicable

2. Mixtures

Chemical characterization

<5	Sodium Tripolyphosphate	7758-29-4	231-838-7	-----	H315, H319, H335
<3	Sodium Hydroxide	1310-73-2	215-185-5	011-002-00-6	H314
<5	4-Nonylphenol Ethoxylated Branched	127087-87-0	500-135-8	-----	H227, H315, H318, H412

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to the health or the environment and hence require reporting in this section.

4.1 Description of first aid measures

Inhalation: If product mist or spray causes respiratory irritation or distress, move the exposed person to fresh air immediately. If breathing is difficult or irregular, administer oxygen; if respiratory arrest occurs, start artificial respiration by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. If symptoms persist or become worse, seek medical attention immediately.

Eyes: Immediately flush eyes with large amounts of water for 15 minutes, occasionally lifting upper and lower lids. Remove contact lenses, if present and easy to do, after first 2 minutes and continue rinsing. Obtain immediate medical attention, preferably from an ophthalmologist.

Skin: Flush skin with large amounts of water while removing contaminated clothing, and continue rinsing for at least 15 minutes. Wash affected area with soap and water. Wash contaminated clothing and shoes thoroughly before reuse. Seek prompt medical attention if irritation persists.

Ingestion: Rinse mouth with water if victim is conscious. Remove dentures, if present. Give 1 - 2 cupfuls of milk or water to drink if victim is conscious, alert and able to swallow. Do not induce vomiting unless directed to do so by medical personnel. Do not leave victim unattended. To prevent aspiration of swallowed material lay victim on one side with the head lower than the waist. Vomiting may occur spontaneously. Never give anything by mouth to an unconscious person. Get medical attention immediately.

2. Most important symptoms and effects, both acute and delayed

Potential health symptoms and effects

Eyes: Causes eye irritation. Symptoms include redness, pain, tearing and swelling.

Skin: May cause mild, transient skin irritation with redness, itching and discomfort.

Inhalation: Inhalation of mist may cause irritation of the nose and upper respiratory tract.

Ingestion: Causes irritation of the gastrointestinal tract with nausea, vomiting, abdominal pain and diarrhea.

Chronic: Pre-existing disorders of the skin may be aggravated by exposure to this product.

3. Indication of any immediate medical attention and special treatment needed

Advice to Doctor and Hospital Personnel: Treat symptomatically and

5.1 Extinguishable media

Suitable methods of extinction: Use extinguishing media suitable for surrounding fire.

Unsuitable methods of extinction: None known

5.2 Special hazards arising from the substance or mixture

Closed containers may explode due to the buildup of pressure when exposed to extreme heat. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent or may be delayed. Obtain medical attention.

Explosion hazards: Material does not present an explosion hazard.

5.3 Advice for firefighters

Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat. If possible, firefighters should control runoff water to prevent environmental contamination.

1. Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing designated in Section 8. Ventilate the area. Spilled material creates a slip hazard.

2. Environmental precautions

Avoid dispersal of spilled material or runoff and prevent contact with soil and entry into drains, sewers or waterways.

3. Methods and materials for containment and cleaning up

Cover drains and contain spill. Cover spill with a large quantity of inert absorbent. Do not use combustible material such as sawdust. Collect material and place into an approved container for proper disposal. Observe possible restrictions (Sections 7.2 and 10.5). Do not allow material or runoff from rinsing contaminated areas to enter floor drains or storm drains and ditches which lead to waterways. Dispose of waste via a licensed waste disposal contractor.

4. Reference to other sections

For indications about waste treatment, see Section 13.

1. Precautions for safe handling

Wear all appropriate personal protective equipment specified in Section 8. Do not get in eyes or on skin or clothing. If normal use of material presents a respiratory hazard, use only adequate ventilation or wear an appropriate respirator.

Advice on protection against fire and explosion

Not expected to be a fire or explosion hazard

2. Conditions for safe storage, including any incompatibilities

Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10.5), food and drink. Transfer only to approved containers having correct labeling. Keep container tightly closed when not in use. Protect container against physical damage. Containers that been opened must be carefully resealed and kept upright to prevent spillage. Containers of this material may be hazardous when empty as they contain product residues. Use appropriate containment to avoid environmental contamination. Ventilate closed areas. Do not take internally. Keep out of reach of children.

3. Specific end uses

Apart from the uses mentioned in Section 1.2, no other specific uses are stipulated.

8.1 Control parameters

Occupational Exposure Limits

1310-73-2

Sodium Hydroxide

2 mg/m³ TWA

2 mg/m³, ceiling

2 mg/m³, ceiling; 10 mg/m³ IDHL

8.2 Exposure controls

Engineering Measures: Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. Use adequate ventilation. Local exhaust is preferable. Refer to Section 7.1.

Individual protection measures: Wear protective clothing to prevent repeated or prolonged contact with product. Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the representative supplier.

Hygiene measures: Facilities storing or using this material should be equipped with an eyewash station and safety shower. Change contaminated clothing. Preventive skin protection is recommended. Wash hands thoroughly after use, before eating, drinking or using the lavatory.

Eye/face protection: Wear protective goggles or safety glasses with unperforated side shields during use. Refer to 29 CFR 1910.133, ANSI Z87.1 or European Standard EN 166.

Hand Protection: Wear rubber gloves or gloves recommended by glove supplier for protection against materials in Section 3. Gloves should be impermeable to chemicals and oil. Breakthrough time of selected gloves must be greater than the intended use period.

Other protective equipment: Protective clothing. Protective boots, if the situation requires.

Respiratory Protection: None required with normal use. Always use an approved respirator when vapor/aerosols are generated. Where risk assessment shows air-purifying respirators are appropriate use a full-faced respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental exposure controls: Do not empty into drains.

9.1 Information on basic physical and chemical properties

Appearance	Clear, yellow liquid
Odor	Fresh
Odor Threshold	Not determined
Molecular Weight	Not applicable
Chemical Formula	Not applicable
pH	No data available
Freezing/Melting Point	No data available
Initial Boiling Point	100 °C (212 °F)
Evaporation Rate	<1 (n-BuOAc = 1)
Flammability (solid, gas)	Not applicable
Flash Point	No data available
Autoignition Temperature	Not determined
Decomposition Temperature	Not determined
Lower Explosive Limit (LEL)	Not determined
Upper Explosive Limit (UEL)	Not determined
Vapor Pressure	No data available
Vapor Density	Not determined
Specific Gravity	1.0079 - 1.0089
Viscosity	Not determined
Solubility in Water	Complete
Partition Coefficient: n-octanol/water	Not applicable
Volatiles by Volume @ 21 °C	>95%

9.2 Other data

No data available

1. Reactivity

No special reactivity has been reported.

2. Chemical stability

Stable under recommended storage conditions.

3. Possibility of hazardous reactions

None known

Hazardous polymerization will not occur.

4. Conditions to avoid

Extreme temperatures. Contact with incompatible materials.

5. Incompatible materials

Strong acids, alkalis,

DO NOT add water to the acid. ALWAYS add the acid to water while stirring to prevent release of heat, steam and fumes.

6. Hazardous decomposition products

Thermal decomposition products include oxides of carbon.

1. Information on toxicological effects

Acute Oral Toxicity

No data available

Acute inhalation toxicity

No data available

Acute dermal toxicity

No data available

Skin irritation

May cause mild, transient skin irritation.

Eye irritation

Causes serious eye irritation

Sensitization

No data available

Genotoxicity in vitro

No data available

Mutagenicity

No data available

Specific organ toxicity - single exposure

No data available

Specific organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

2. Further information

No component of this product is listed as a carcinogen by IARC, ACGIH, NTP or OSHA. No data is available regarding the mutagenicity or teratogenicity of this material in humans, nor is there available data that indicates that it causes adverse developmental or fertility effects in humans. Handle in accordance with good industrial hygiene and safety practice.

1. Toxicity

This product may harmful to aquatic life in high concentrations. Large or frequent discharges of this product to the environment may increase the pH of aquatic systems to a value <12, which may be fatal to aquatic life and soil micro-organisms.

2. Persistence and degradability

Organic components are biodegradable over time.

3. Bioaccumulation potential

Material is not expected to bioaccumulate.

4. Mobility

No data available

5. Results of PBT and vPvB assessment

No data available

6. Other adverse effects

Additional ecological information

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Do not allow material to run into surface waters, wastewater, sewers or soil.

13.1 Waste treatment methods

Methods of disposal: The generation of waste should be avoided or minimized whenever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Hazardous waste: The classification of this product may meet the criteria for a hazardous waste.

US DOT (Domestic Ground Transportation)

Proper Shipping Name:	Corrosive liquids, n.o.s. (Sodium Tripolyphosphate, Sodium Hydroxide)
Hazard Class:	8
UN/NA:	UN1760
Packing Group:	III
NAERG:	Guide #154
Packaging Authorization:	Non-Bulk: 49 CFR 173.203; Bulk: 173.241
Packaging Exceptions:	49 CFR 173.154



IMO/IMDG (Water Transportation)

Proper Shipping Name: Corrosive liquids, n.o.s. (Sodium Tripolyphosphate, Sodium Hydroxide)
Hazard Class: 8
UN/NA: UN1760
Packing Group: III
Marine Pollutant: No
EMS Number: F-A, S-B

ICAO/IATA (Air Transportation)

Proper Shipping Name: Corrosive liquids, n.o.s. (Sodium Tripolyphosphate, Sodium Hydroxide)
Hazard Class: 8
UN/NA: UN1760
Packing Group: III
Quantity Limitations: 49 CFR 175.27 and 175.75 - Cargo Aircraft Only: 60 l; Passenger Aircraft: 5 l

RID/ADR (Rail Transportation)

Proper Shipping Name: Corrosive liquids, n.o.s. (Sodium Tripolyphosphate, Sodium Hydroxide)
Hazard Class: 8
UN/NA: UN1760
Packing Group: III

15.1 Safety, health and environmental regulations/legislation specific for substance or mixture**U. S. Federal Regulations**

OSHA Hazard Communication Standard: This material is classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

OSHA Process Safety Management Standard: This product is not regulated under OSHA PSM Standard 29 CFR 1910.119.

EPA Risk Management Planning Standard: This product is not regulated under EPA RMP Standard (RMP) 40 CFR Part 68.

TSCA Status: All components of this product are listed on the Toxic Substance Control Act (TSCA) Inventory. This product is not subject to TSCA 12(b) Export Notification.

Superfund Amendments and Reauthorization Act (SARA)

SARA Section 311/312 Hazard Categories: Acute Health Hazard

SARA 313 Information: None of the components of this product exceed the threshold (de minimis) reporting levels established by Section 313 of the Emergency Planning and Community Right-to Know Act of 1986.

SARA 302/304 Extremely Hazardous Substance

None of the components of the product exceed the threshold (de minimis) reporting levels established by these sections of Title III of SARA.

SARA 302/304 Emergency Planning & Notification

None of the components of the product exceed the threshold (de minimis) reporting levels established by these sections of Title III of SARA.

Comprehensive Response Compensation and Liability Act (CERCLA): This product contains the following CERCLA reportable substances:

Sodium Hydroxide (CAS #1310-73-2): RQ - 453.6 kg (1,000 lbs)

Clean Air Act (CAA)

This product does not contain any chemicals that are listed as Hazardous Air Pollutants (HAPs) designated in CAA Section 112 (b).

This product does not contain any Class 1 Ozone depletors.

This product does not contain any Class 2 Ozone depletors.

Clean Water Act (CWA)

Sodium Hydroxide (CAS #1310-73-2) is listed as a Hazardous Substance under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

U.S. State Regulations**California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986**

This product contains no chemical(s) known to the State of California to cause cancer, birth defects or other reproductive harm.

Other U.S. State Inventories

Sodium Hydroxide (CAS #1310-73-2) is listed on the following State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants lists: CA, DE, ID, MA, MN, NJ, PA, WA, WI.

Sodium Tripolyphosphate (CAS #7758-29-4) is listed on the following State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants lists: CA, DE, MA, NJ, NY, PA.

Canada**WHMIS Hazard Symbol and Classification**

E - Corrosive

Canadian National Pollutant Release Inventory (NPRI): None of the components of this product are listed on the NPRI.

European Economic Community**Labeling (67/548/EEC or 1999/45/EC)**

Xi - Irritant

Risk Phrases: R36/38 - Irritating to eyes and skin.

Safety Phrases: S2 - Keep out of the reach of children.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

WGK, Germany (Water danger/protection): 1

Global Chemical Inventory Lists

Canada:	Domestic Substance List (DSL).	Yes
Canada:	Non-Domestic Substance List (NDSL).	No
Europe:	Inventory of New and Existing Chemicals (EINECS)	Yes
United States:	Toxic Substance Control Act (TSCA)	Yes
Australia:	Australian Inventory of Chemical Substances (AICS)	Yes
New Zealand:	New Zealand Inventory of Chemicals (NZIoC)	Yes
China:	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Japan:	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea:	Existing Chemicals List (ECL)	Yes
Philippines:	Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Yes

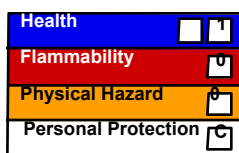
**"Yes" indicates that all components of this product are in compliance with the inventory requirements administered by the governing country.

**"No" indicates that one or more components of this product are not listed or are exempt from listing on the inventory administered by the governing country.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

Hazardous Material Information System (HMIS)



HMIS & NFPA Hazard Rating Legend

* = Chronic Health Hazard 2 = MODERATE
 0 = INSIGNIFICANT 3 = HIGH
 1 = SLIGHT 4 = EXTREME

National Fire Protection Association (NFPA)

Flammability



Full Text of GHS Hazard Phrases Referenced in Section 3.

- H227 - Combustible liquid
- H314 - Causes severe skin burns and eye damage
- H315 - Causes skin irritation
- H318 - Causes serious eye damage
- H335 - May cause respiratory irritation
- H412 - Harmful to aquatic life with long lasting effects

The information herein is given in good faith and is believed to be accurate and correct; however, no warranty, expressed or implied, is made. Sunline, L.L.C. assumes no responsibility for personal injury or property damage that may arise from the use of this material since the conditions of handling and use are beyond our control. It is the responsibility of the user to comply with all Federal, State and local laws and regulations regarding use of this product. Vendees or users assume all risks associated with the use of this material.

Version 2: Updated to GHS SDS format, 26 June 2015

Version 1: 17 November 2010