

**LYMAN PRODUCTS: RAYTECH DIVISION**  
SAFETY DATA SHEET

Safety Data Sheet (in compliance with Regulation (EC) 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 2015/830), US 29CFR1910.1200, Canada Hazardous Products Regulation

Date Issued: 11/5/15  
Date Revised: 5/16/19  
Revision Number: Rev 1

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION  
AND THE COMPANY/UNDERTAKING**

**1.1 Product Identifier**

**Trade Name** Tumble Soap  
**Product Number** 41-011, 41-013

**1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against**

**Product Use:** Cleaning powder for use with finishing media.

**Restrictions on Use:** None known

**1.3 Details of the Supplier of the Safety Data Sheet**

**Manufacturer:** Lyman Products  
Raytech Division  
475 Smith Street  
Middletown, CT 06457 USA  
**Information Phone Number:** (860) 632-2020  
**E-mail**

**1.4 Emergency Telephone Number  
Emergency Spill Information**

For Hazardous Materials [or Dangerous Goods] Incident  
Spill, Leak, Fire, Exposure, or Accident  
Call ChemTel Inc. Day or Night  
Within the USA and Canada: 1-800-255-3924 or  
Outside the USA at +1-813-248-0585 (collect calls accepted)  
Shipments within: Australia – 1-300-954-538, Brazil 0-800-591-6042, China 400-120-0751, India 000-800-099-0731  
**Reference Contract Number: MIS3953100**

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the Substance or Mixture**

**US Hazard Classification (29CFR 1910.1200-2012):**  
Skin Irritation Category 2; Eye Irritation Category 2A

**GHS/CLP (1272/2008) Classification:**  
Skin Irritation Category 2 (H315); Eye Irritation Category 2A (H319)

**2.2 Label Elements**

Warning!



Hazard Statements	Precautionary Phrases
H315 Causes skin irritation.	P264 Wash thoroughly after handling.

<p>H319 Causes serious eye irritation.</p> <p style="text-align: center;"><b>Precautionary Phrases Continued</b></p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337 + P313 If eye irritation persists: Get medical attention.</p>	<p>P280 Wear eye protection, and protective gloves.</p> <p>P302 + P352 IF ON SKIN: Wash with plenty of soap and water.</p> <p>P332 + P313 If skin irritation occurs: Get medical attention.</p> <p>P362 + P364 Take off contaminated clothing and wash it before reuse.</p>
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### 2.3 Other Hazards: None

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixture

Chemical Name	CAS#	EINECS#	GHS/CLP Classification	% w/w
Non-hazardous Ingredients	N/A	N/A	Not Hazardous	40 - 65
Sodium Carbonate	5968-11-6	207-838-8	Eye Irritation Category 2A (H319)	15 - 25
Trisodium Phosphate	7601-54-9	231-509-8	Skin Irritation Category 2 (H315) Eye Irritation Category 2A (H319) STOT - Single Exposure Category 3 (H335)	10 - 15
Sodium Tripolyphosphate	7758-29-4	231-838-7	Aquatic Acute Toxicity Category 3 (H402)	10 - 15
Sodium Hexametaphosphate	68915-31-1	272-808-3	Not Hazardous	1 - 5

The exact percentage and composition are a trade secret

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of First Aid Measures

**Eye:** Flush eyes with water, holding the eyelids apart for 15 minutes. Get medical attention if irritation occurs and persists.

**Skin:** If irritation occurs, wash contact area with soap and water for several minutes. Get medical attention if irritation or symptoms of exposure develop.

**Inhalation:** Remove to fresh air. If irritation from dust occurs and persists, get medical attention.

**Ingestion:** Rinse mouth with water. Do not induce vomiting unless instructed to by a doctor or physician. Do not give anything by mouth to a person who is drowsy or unconscious. Seek medical attention.

**4.2 Most important symptoms and effects, both acute and delayed:** Causes eye and skin irritation. May cause mild respiratory irritation. Ingestion may cause irritation to gastrointestinal tract.

**4.3 Indication of any immediate medical attention and special treatment needed:** Immediate medical attention should not be required.

## SECTION 5: FIRE AND EXPLOSION DATA

**5.1 Extinguishing Media:** Use media appropriate the surrounding fire. Use fire-fighting measures that suit the location and surroundings.

### 5.2 Special Hazards Arising from the Substance or Mixture

**Unusual Fire and Explosion Hazards:** None known.

**Combustion Products:** None known.

### 5.3 Advice for Fire-Fighters:

**Special Fire Fighting Procedures:** Wear an approved, positive pressure, self-contained breathing apparatus and full protective clothing for all fires involving chemicals.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Seek to ensure ventilation that maintains airborne concentrations below occupational exposure limits. Keep unprotected persons away. Avoid contact with skin, eyes, and clothing; wear suitable protective equipment as required.

### 6.2 Environmental Precautions:

Avoid release to the environment. Report spills and releases as required to appropriate authorities.

### 6.3 Methods and Material for Containment and Cleaning Up:

Pick up material and place into a container for disposal or reprocessing. Collect in a manner to minimize the generation of airborne dusts or vacuum with a high efficiency vacuum cleaner. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

**6.4 Reference to Other Sections:** Refer to Section 8 for personal protective equipment and Section 13 for disposal information.

## SECTION 7: HANDLING AND STORAGE

**7.1 Precautions for Safe Handling:** Use in accordance with product instructions. Avoid the creation of dusts. Avoid breathing dust. Avoid contact with skin, eyes, and clothing; wear suitable protective equipment as required. Wash exposed skin after use. Launder contaminated clothing before reuse. Use in accordance with good industrial hygiene practices.

Empty containers may retain product residue and can be hazardous. Follow all SDS procedures when handling empty containers.

**7.2 Conditions for Safe Storage, Including any Incompatibilities:** Store closed up in a cool, dry, and well ventilated area. Store away from incompatible materials.

**7.3 Specific end use(s):** Cleaning powder for use with finishing media.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control Parameters:** Refer to country-specific legislation for specific requirements where not listed below.

Chemical Name	Exposure Limits
Non-hazardous Ingredients	None Established
Sodium Carbonate	None Established
Trisodium Phosphate	5 mg/ m <sup>3</sup> STEL AIHA WEEL
Sodium Tripolyphosphate	None Established
Sodium Hexametaphosphate	None Established

### 8.2 Exposure Controls:

**Appropriate Engineering Controls:** General exhaust ventilation should be adequate to maintain exposures below occupational exposure limits.

**Respiratory Protection:** None required for normal use. If needed, an approved dust respirator may be used. Respirator selection and use should be based on contaminant type, form, and concentration. Follow applicable regulations and good Industrial Hygiene practice.

**Skin Protection:** Impervious gloves are recommended to avoid skin contact.

**Eye Protection:** Safety goggles should be used if eye contact is likely.

**Other Protective Equipment:** As needed to avoid skin contact and contamination of personal clothing.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic Physical and Chemical Properties

**Appearance:** Off-white granular powder.

**Vapor Density:** Not applicable

<b>Odor:</b> Odorless.	<b>Specific Gravity:</b> Not determined
<b>Odor Threshold:</b> Not applicable	<b>Solubility:</b> Soluble
<b>pH:</b> Not applicable	<b>Octanol/Water Partition Coefficient:</b> No data available
<b>Melting Point/Freezing Point:</b> Not determined	<b>Autoignition Temperature:</b> Not applicable
<b>Boiling Point:</b> >100°C (>212°F)	<b>Decomposition Temperature:</b> No data available
<b>Flash Point:</b> Not applicable	<b>Viscosity:</b> Not applicable
<b>Evaporation Rate:</b> Not applicable	<b>Explosive Properties:</b> Not an explosive
<b>Flammable Limits:</b> LEL: Not applicable UEL: Not applicable	<b>Oxidizing Properties:</b> Not an oxidizer
<b>Vapor Pressure:</b> Not applicable	<b>Flammability (solid, gas):</b> Not applicable

**9.2 Other Information:** None available

## SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity:** Not reactive under regular storage and handling conditions.

**10.2 Chemical Stability:** Stable under regular storage and handling conditions.

**10.3 Possibility of Hazardous Reactions:** None known.

**10.4 Conditions to Avoid:** None known.

**10.5 Incompatible Materials:** Strong acids.

**10.6 Hazardous Decomposition Products:** Oxides of carbon and phosphorus.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects:

#### Potential Health Effects:

**Eye Contact:** Causes eye irritation.

**Skin Contact:** Cause skin irritation.

**Inhalation:** May cause mild respiratory irritation.

**Ingestion:** Ingestion may cause irritation to gastrointestinal tract.

#### Acute Toxicity Values:

Product ATE: Oral LD50 13,529.6 mg/kg

Non-hazardous Ingredients: Not acutely toxic.

Sodium Carbonate: Oral rat LD50 2,800 mg/kg; Dermal rabbit >2,000 mg/kg.

Trisodium Phosphate: Oral rat LD50 >2,000 mg/kg

Sodium Tripolyphosphate: Oral rat LD50 >2,000 mg/kg; Dermal rabbit >4,640 mg/kg.; Inhalation rat LC50 >0.39 mg/L/ 4 hr.

Sodium Hexametaphosphate: Oral rat LD50 3,053 mg/kg.

**Skin corrosion/irritation:** This product is classified as a skin irritant.

**Eye damage/irritation:** This product is classified as an eye irritant.

**Respiratory Irritation:** This product is not classified as a respiratory irritant.

**Respiratory Sensitization:** This product is not classified as a respiratory sensitizer.

**Skin Sensitization:** This product is not classified as a skin sensitizer.

**Germ Cell Mutagenicity:** This product is not classified as a germ cell mutagen.

**Carcinogenicity:** None of the components of this product present at 0.1% or greater are listed as carcinogens by OSHA, IARC, NTP, ACGIH and the EU CLP.

**Reproductive Toxicity:** This product is not a reproductive toxin.

**Aspiration Hazard:** This product does not present an aspiration hazard.

**Specific Target Organ Toxicity:**

Single Exposure: No data available

Repeat Exposure: No data available.

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity**

No data available for product.

Sodium Carbonate: LC50 Lepomis macrochirus 300 mg/ L / 96 hrs; LC50 Ceriodaphnia 200 - 227 mg/L/48 hrs.

Trisodium Phosphate: LC50 Gambusia affinis 28,500 ug/L / 96 hr.

Sodium Tripolyphosphate: LC50 Danio rerio >1850 mg/L/24 hrs; EC50: Daphnia magna >100 mg/ L / 48 hr.

**12.2 Persistence and Degradability:** No data available.

**12.3 Bioaccumulative Potential:** No data available.

**12.4 Mobility in Soil:** No data available.

**12.5 Results of PBT and vPvB Assessment:** No data available.

**12.6 Other Adverse Effects:** None known

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste Treatment Methods:**

Dispose in accordance with all local, state and national regulations.

**SECTION 14: TRANSPORTATION INFORMATION**

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
<b>US DOT</b>	None	Not regulated	N/A	N/A	None
<b>Canadian TDG</b>	None	Not regulated	N/A	N/A	None
<b>EU ADR/RID</b>	None	Not regulated	N/A	N/A	None
<b>IMDG</b>	None	Not regulated	N/A	N/A	None
<b>IATA/ICAO</b>	None	Not regulated	N/A	N/A	None

**14.6 Special Precautions for User:** Not applicable

**14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable

**SECTION 15: REGULATORY INFORMATION**

**15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:**

**U.S. FEDERAL REGULATIONS:**

**CERCLA 103 Reportable Quantity:** Releases above the RQ of 33,333 lbs. (based on the RQ for Trisodium Phosphate and Sodium Tripolyphosphate of 5,000 lbs. present at 15%) must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**SARA TITLE III:**

**Hazard Category for Section 311/312:** Acute health

**Section 313 Toxic Chemicals:** This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

**Section 302 Extremely Hazardous Substances (TPQ):** None

**EPA Toxic Substances Control Act (TSCA) Status:** All of the components of this product are listed on TSCA.

**STATE REGULATIONS:**

**California Proposition 65:** This product contains the following substances known to the State of California to cause cancer, birth defects or other reproductive harm: None

**INTERNATIONAL REGULATIONS:**

**Canadian Environmental Protection Act:** All of the components are listed on the Canadian Domestic Substances List.

**European Union:** All of the components are listed on the European Inventory of New and Existing Chemical Substances (EINECS) inventory.

**German WGK:** nwg

**SECTION 16: OTHER INFORMATION**

<b>HMIS Ratings:</b> Health - 1	Flammability - 0	Physical Hazard - 0
<b>NFPA Ratings:</b> Health - 1	Flammability - 0	Instability - 0

**Supersedes:** None  
**Date Updated:** 11/5/2015  
**Revision Summary:** New SDS

**GHS Classification for Reference (See Sections 2 and 3):**  
STOT – Single Exposure Category 3 – Specific Target Organ Toxicity – Single Exposure Category 3  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

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This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. Lyman Products shall not be held liable for any damage resulting from handling or from contact with the above product.