



# Safety Data Sheet Polyquaternium 7

Complies with 29 CFR 1910.1200

## Section 1: Company and Product Identification

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**Product Name:** Polyquaternium 7

**INCI Name:** Polyquaternium-7

**Material Uses:** Active ingredient in cosmetic and personal care applications.

**Restrictions on Use:** Repackaged for cosmetic use only

**Company:** Lotioncrafter LLC  
48 Hope Ln  
Eastsound, WA 98245  
PH: 1-360-376-8008

**Emergency Response:** In USA, Canada and North America, 24 hour / 7 day emergency information for our product is provided by the CHEMTREC Emergency Call Center based in the USA.

USA, Canada, Puerto Rico, Virgin Islands                      CALL +1 800-424-9300  
In case of difficulties or for ships at sea                      CALL +1 703-527-3887  
In Europe, Middle East, Africa, Asia Pacific, South America      CALL +1 703-527-3887

## Section 2: Hazards Identification

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**Hazard Pictograms:**

**Signal Word:** Not Applicable

**Hazard Classification:** Acute aquatic toxicity Category 3 H402: Harmful to aquatic life.  
Chronic aquatic toxicity Category 3 H412: Harmful to aquatic life with long lasting effects.

**Hazard Statements:** H412: Harmful to aquatic life with long lasting effects.

**Precautionary Statements:** P273: Avoid release to the environment.  
P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other Hazards:** None

## Section 3: Composition / Information on Ingredients

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Name	CAS#	EC#	Weight %
Polyquaternium-7	26590-05-6	Polymer	8.8 - 9.8%
Sodium Benzoate	532-32-1	208-534-8	< 1%

**Additional Information:** For full text of H-statements and R-phrases: see SECTION 16



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### Section 4: First Aid Measures

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**Notable Exposure Symptoms:** Causes mild eye irritation. Treat symptomatically.

**If ingested:** Immediately rinse mouth and drink plenty of water. If feeling unwell, after accidental swallowing, consult a doctor.

**If inhaled:** Remove to fresh air.

**Eye contact:** Flush eye(s) with plenty of water for at least 15 minutes under running water with eyelids held open. Consult a doctor if necessary.

**Skin contact:** Flush with water for at least 15 minutes. Seek medical attention.

### Section 5: Fire Fighting Measures

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**General Info:** Flash point: Not applicable (aqueous product).

**Extinguishing Method /**

**Equipment:** Carbon dioxide (CO<sub>2</sub>), dry chemical, foam, halon, water spray (fog). Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment. Do not use direct or heavy water stream to fight fire as it may splash burning liquid.

**Hazardous Decomposition Info:** Oxides of carbon, and nitrogen, ammonia and hydrochloric acid possible in the event of fire.

### Section 6: Accidental Release Measures

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**Personal precautions, protective**

**equipment and procedures:** Use personal protective equipment. Wash hands after exposure with the product. Avoid contact with the skin, eyes and clothing.

**Environmental Precautions:** Do not discharge into drains, surface water or ground water.

**Containment Equipment and**

**Cleanup Procedures:** Absorb with suitable absorbent material. Collect in suitable and properly labeled container. For large spills: contain spilled material if possible. Pump into suitable and properly labeled containers. Dispose of absorbed material in accordance with regulations.

### Section 7: Handling and Storage

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**Safe Handling Precautions:** Follow general occupational hygiene such as washing hands after use. Do not eat, drink or smoke in work areas. Remove contaminated clothing. Avoid spills.

**Recommendations for Storage:** Avoid temperatures above 40°C (104°F). Optimum storage temperature is 24°C (75°F) or lower. Do not freeze. Avoid exposure to sunlight for prolonged periods.

**Specific End Use(s):** Active ingredient in cosmetic and personal care applications.



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### Section 8: Exposure Control / Personal Protection

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**Control Parameters:** Sodium Benzoate

Germany (AGS): 10 mg/m<sup>3</sup> (inhalable fraction) (skin) Limit: 8 hours.

Germany (AGS): 20 mg/m<sup>3</sup> (inhalable fraction) (Skin) Limit: 15 minutes average value.

**General / Engineering**

**Controls:** Proper plant design, technical measures and working operations should minimize human exposure.

**Eye/face protection:** Chemical goggles with side splash protection recommended. An eye wash facility should be available in the work area.

**Hand Protection:** Protective gloves.

**Body Protection:** Apron.

**Respiratory Protection:** None required under normal conditions of use.

**Thermal Hazards:** None required under normal conditions of use.

**Other:** Observe good chemical hygiene practices, washing exposed areas of the skin several times daily. Launder contaminated clothing before re-use.

### Section 9: Physical and Chemical Properties

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**Physical State:** Liquid

**Appearance:** Clear, viscous

**Color:** Colorless

**Odor:** Mild, aldehydic

**Odor Threshold:** No data available

**pH:** 3.3 - 4.5

**Melting/Freezing Point:** -1°C

**Boiling Point and Range:** > 100°C

**Flash Point (COC):** Not applicable (aqueous product)

**Auto-ignition Temperature:** Not available

**Decomposition Temperature:** Not available

**Evaporation Rate:** Not applicable

**Vapor Pressure:** No data available

**Explosive Limits:** Not applicable

**Vapor Density:** No data available

**Relative Density:** 1.000 - 1.050 at 25°C

**Water Solubility:** Soluble

**Viscosity (cP):** 7,500 - 15,000 cP at 25°C (Brookfield, RVT, # 4, 10 rpm)

**Explosion Properties:** None

**Oxidizing Properties:** None

**Partition coefficient:** Not available

**Other information:** None available



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### Section 10: Stability and Reactivity

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**Reactivity:** No hazardous reactions, if stored and handled as directed.

**Chemical Stability:** Stable under normal ambient, anticipated storage, handling conditions of temperature and pressure.

**Possibility of Hazardous**

**Reactions:** Not anticipated when handled as directed.

**Conditions to Avoid:** Heat, flame, and other sources of ignition.

**Incompatible Materials:** Do not subject to strong oxidizing agents.

**Hazardous Decomposition**

**Products:** Will not form if stored and handled as directed.

### Section 11: Toxicological Information

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**General Information:** Test data found in this section is observed from similar materials.

**Toxicological Information of Polyquaternium-7**

**Acute Oral Toxicity:** Rat - LD50: > 39,800 mg/kg

**Acute Dermal Toxicity:** Rabbit - LD50: > 21,500 mg/kg

**Acute Inhalation Toxicity:** No data available.

**Skin Corrosion/Irritation:** Rabbit - No irritation.

**Serious Eye Damage/Irritation:** Rabbit - Not classified. Mildly irritating and irritation was cleared after 24 hours.

**Respiratory or Skin**

**Sensitization:** (Human RIPT) No sensitization.

**Germ Cell Mutagenicity:** (Ames test) Non mutagenic.

**Carcinogenicity:** No data available.

**Reproductive Toxicity:** No data available.

**STOT-Single Exposure:** No data available.

**STOT-Repeated Exposure:** No data available.

**Aspiration Hazard:** No data available.

**Toxicological Information of Sodium Benzoate**

**Acute Oral Toxicity:** Rat - LD50 3450 mg/kg bw

**Acute Dermal Toxicity:** Rabbit - LD50: > 2000 mg/kg bw; Read-across approach.

**Acute Inhalation Toxicity:** Rat - LC50 (4h): > 12200 mg/m<sup>3</sup> air (dust); read-across approach.

**Skin Corrosion/Irritation:** Rabbit - Not irritating (OECD Guideline 405/EU Method B.4)

**Serious Eye Damage/Irritation:** Rabbit - Slightly irritating (OECD Guideline 405/EU Method B.5/EPA OPP 81-4).

**Respiratory or Skin**

**Sensitization:** Guinea pig - Not sensitizing (EPA OPP 81.6); read-across approach.



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**Germ Cell Mutagenicity:** Bacterial reverse mutation assay (in vitro): Negative.  
Chromosome aberration assay (in vitro): Negative.

**Carcinogenicity:** Not carcinogenic < 5g/kg bw/day.

**Reproductive Toxicity:** Not classified.

**STOT-Single Exposure:** Not classified.

**STOT-Repeated Exposure:** Not classified.

**Aspiration Hazard:** Not classified.

### Information on Likely Routes

**of Exposure:** Dermal and oral.

### Symptoms Related to

**Toxicological Characteristics:** Eye contact: Causes mild irritation.

### Effects from Long/Short Term

**Exposure:** No data available.

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## Section 12: Ecological Information

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**General Information:** Test data found in this section is observed from similar materials.

### Ecological Information of Polyquaternium-7

**Short-Term Toxicity to Fish:** Pimephales promelas - LC50 (96h): 10-100 mg/l (OECD 203).

**Long-Term Toxicity to Fish:** No data available.

### Long-Term Toxicity to Aquatic

**Invertebrates:** Daphnia magna - EC50 (48h): 10-100 mg/l (OECD 202).

**Toxicity to Aquatic Algae:** No data available.

**Persistence and Degradability:** Not readily biodegradable.

**Bioaccumulative Potential:** Bioaccumulation potential is expected to be limited.

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

**Other Adverse Effects:** No data available.

### Ecological Information of Sodium Benzoate

**Short-Term Toxicity to Fish:** Pimephales promelas - LC50 (96h): 484 mg/l (EPA OPP 72-1).

**Long-Term Toxicity to Fish:** Danio rerio - NOEC (144h): > 100 mg/l.

### Long-Term Toxicity to Aquatic

**Invertebrates:** Daphnia magna - LC50 (96h): > 100 mg/l.

**Toxicity to Aquatic Algae:** Psuedokirchneriella subcapitata - EC50 (72h): > 30.5 mg/l; NOEC (72h): 0.09 mg/l (OECD 201).

**Persistence and Degradability:** Log Pow: 1.88 (Centrifugal partition chromatography) read-across approach.

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

**Other Adverse Effects:** No data available.



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## Section 13: Disposal Information

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**Product disposal:** Dispose of product in accordance with local, regional, and national regulations.

**Container disposal:** Dispose of container in accordance with licensed collector's sorting instructions.

**Other considerations:** No further information.

## Section 14: Transport Information

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	US DOT	EU Land Transport (ADR/RID/AND)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
<b>UN Number:</b>	Not regulated	Not regulated	Not regulated	Not regulated
<b>UN Proper Shipping Name:</b>	Not regulated	Not regulated	Not regulated	Not regulated
<b>Transport Hazard Class(es):</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>Packing Group:</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>Environmental Hazards:</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>Special Precautions for User:</b>	None	None	None	None
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:</b>	Not applicable	Not applicable	Not applicable	Not applicable

## Section 15: Regulatory Information

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### Safety, Health and Environmental Regulations Specific for the Product in Question:

Refer to all applicable national, international and local regulations or provisions.

**California Prop 65:** This product may contain Acrylamide < 1.0 ppm and trace heavy metals (Pb < 5.0 ppm, As < 2.0 ppm, Hg < 1.0 ppm and/or Cd < 1.0 ppm), which are known to the State of California to cause cancer, birth defects or other reproductive harm.



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### Section 16: Other Information

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**Indication of Changes:** Version 1.0 created March 4, 2022

**List of Relevant R-phrases**

**(number and full text):** Not applicable

**Legal Disclaimer:** Since the user's working conditions are not known to us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

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