

## Safety Data Sheet

### **Section 1: Company and Product Information**

**Product Name:** Polyquaternium 7  
**INCI Name:** Polyquaternium-7  
**Country of Origin:** United States  
**Product Use:** Cosmetic and personal care applications.  
**Restrictions on Use:** Repackaged for cosmetic use only.  
**Supplier:** Windy Point Soap Making Supplies Inc.  
14, 6125-12th Street SE  
Calgary, AB T2H 2K1  
587-318-6678 / 877-257-0030  
**Emergency Response:** CHEMTREC (+1)703 527 3887, OR WITHIN USA 800 424 9300

### **Section 2: Hazard Identification**

#### **Classification of the substance or mixture**

**Unknown toxicity:** Acute toxicity, inhalation, vapour 9.1%  
Acute toxicity, inhalation, dust or mist 9.1%

#### **Label elements**

**Hazard symbol:** No symbol.  
**Signal Word:** No signal word.

#### **Precautionary Statements**

**Disposal:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Other hazards which do not result in GHS classification:** None identified.

### **Section 3: Composition / Information on Ingredients**

<b><u>Name</u></b>	<b><u>CAS #</u></b>	<b><u>%</u></b>
2-Propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, polymer with 2-propenamamide	26590-05-6	5 - 10 %

### **Section 4: First Aid Measures**

**Inhalation:** Remove exposed person to fresh air if adverse effects are observed.  
**Eye exposure:** Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses.  
**Skin exposure:** Wash with soap and water. If skin irritation occurs, get medical attention.  
**Ingestion:** Treat symptomatically. Get medical attention.  
**Most important symptoms and effects, both acute and delayed:** See section 11.  
**Indication of any immediate medical attention and special treatment needed:** Treat symptomatically.

### **Section 5: Fire Fighting Measures**

**General fire hazard:** No unusual fire or explosion hazards noted.  
**Extinguishing media Suitable media:** Use water spray, dry chemical, or foam for extinction. CO2 may be ineffective on large fires.  
**Unsuitable media:** Not determined.  
**Special hazards arising from the substance or mixture** When heated, hazardous gases are released including chlorine, hydrogen chloride, and sulfur dioxide. See section 10 for additional information. Material will not burn until

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**During fire fighting:  
Special protective  
equipment for fire-  
fighters:**

water has been evaporated. Container may rupture on heating. Water or foam may cause frothing. Avoid solid streams of water. Use water spray.

No data available.

Wear full protective fire gear including self-containing breathing apparatus operated in the positive pressure mode with full facepiece, coat, pants, gloves and boots.

### **Section 6: Accidental Release Measures**

**Personal precautions,  
protective equipment,  
and emergency  
procedures:**

Ventilate area if spilled in confined space or other poorly ventilated areas. Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations.

**Methods and materials  
for containment and  
cleaning up:  
Environmental  
precautions:**

Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Wash area with soap and water. Spilled liquid and dried film are slippery. Use care to avoid falls.  
Not applicable.

### **Section 7: Handling and Storage**

**Precautions for safe  
handling:**

Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid environmental contamination. Avoid prolonged or repeated contact with skin. Avoid breathing mists or vapors. When using do not eat, drink or smoke. Stir well before use. Keep containers closed when not in use. Minimize contact with air to reduce contamination with mold, fungus, or other organisms which could cause decomposition or spoilage. Wash thoroughly after handling.

**Maximum handling  
temperature:**

Not determined.

**Conditions for safe  
storage, including any  
incompatibilities:  
Maximum storage  
temperature:**

Store away from incompatible materials. See section 10 for incompatible materials. Keep from freezing. Store in original container. Do not store in open, unlabeled or mislabeled containers.  
Not determined.

### **Section 8: Exposure Control / Personal Protection**

**Control parameters**

**Occupational exposure  
limits:**

None of the components have assigned exposure limits.

**Appropriate engineering  
controls:**

Use material in well ventilated area only. Adequate ventilation should be provided so that exposure limits are not exceeded. Mechanical ventilation or local exhaust ventilation may be required.

**Individual protection measures, such as personal protective equipment**

**General information:**

Use personal protective equipment as required.

**Eye/face protection:**

If contact is likely, safety glasses with side shields are recommended.

**Skin protection**

**Hand protection:**

Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur wear chemically protective gloves. Suitable gloves can be recommended by the glove supplier.

**Other:**

Gloves, coveralls, apron, boots as necessary to minimize contact. Do not wear rings, watches or similar apparel that could entrap the material.

**Respiratory Protection:**

Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator. Under normal use conditions, respirator is not usually required. Use appropriate respiratory protection if exposure to dust particles, mist or vapors is likely.

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### Hygiene measures:

Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

### Section 9: Physical and Chemical Properties

<b>Physical state:</b>	Liquid
<b>Form:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Slight acrylate
<b>Odour threshold:</b>	No data available
<b>pH:</b>	6-7.5
<b>Freezing point:</b>	No data available
<b>Boiling point:</b>	Approximate 212°F (100°C)
<b>Flash point:</b>	Not applicable
<b>Evaporation rate:</b>	< 1 n-butyl acetate=1
<b>Flammability limit - upper (%):</b>	No data available
<b>Flammability limit - lower (%):</b>	No data available
<b>Explosive limit - upper (%):</b>	No data available
<b>Explosive limit - lower (%):</b>	No data available
<b>Vapour pressure:</b>	< 18 torr (25 °C 77 °F)
<b>Vapour density:</b>	< 1
<b>Relative density:</b>	1.014 77 °F (25 °C)
<b>Solubility in water:</b>	Soluble
<b>Solubility (other):</b>	No data available
<b>Partition coefficient (n-octanol/water):</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	< 15,000 mPa.s ( 77 °F (25 °C) )
<b>Bulk density:</b>	Approximate 8.45 lb/gal 77 °F (25 °C)
<b>Percent solid:</b>	Approximate 9 % (Percent by Weight)
<b>Percent volatile:</b>	90.5 - 91.5 %(Percent by Weight)

### Section 10: Stability and Reactivity

<b>Reactivity conditions:</b>	No data available.
<b>Chemical stability:</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	Will not occur.
<b>Conditions to avoid:</b>	Do not freeze.
<b>Incompatibility:</b>	Strong oxidizers. Incompatible with powerful inorganic oxidizers, such as nitric acid. Contact with strong oxidizers, acids, and permanganates can cause fire or explosion hazards.
<b>Hazardous decomposition products:</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Hydrogen chloride. Chlorinated compounds. Nitrogen Oxides Ammonia. Irritating and toxic substances may be emitted upon combustion, burning, or decomposition of dry solids. Thermal decomposition or combustion may liberate

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carbon oxides and other toxic gases or vapors. Hydrogen chloride. Chlorinated compounds.

### **Section 11: Toxicological Information**

#### **Information on likely routes of exposure**

**Inhalation:** No data available.

**Ingestion:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

#### **Information on toxicological effects**

##### **Acute toxicity**

###### **Oral:**

LD 50 (Rat): > 39,800 mg/kg (Supplier information)

May cause irritation of the gastrointestinal tract.

###### **Dermal:**

LD 50 (Rabbit): > 21,000 mg/kg (Supplier information)

###### **Inhalation:**

Not classified for acute toxicity based on available data.

###### **Skin Corrosion/Irritation:**

Classification: Not irritating (Supplier information); Rabbit. Prolonged or repeated contact may cause irritation.

Remarks: Not classified as a primary skin irritant.

###### **Serious Eye Damage/Eye Irritation::**

Classification: Not irritating (Supplier information); Rabbit. Prolonged or repeated contact may cause irritation.

Remarks: Not classified as a primary eye irritant.

###### **Respiratory**

###### **sensitization:**

No data available.

###### **Skin sensitization:**

Classification: Not a skin sensitizer. (Supplier information)

###### **Specific Target Organ**

No data available.

###### **Toxicity - Single**

###### **Exposure:**

###### **Aspiration Hazard:**

No data available.

###### **Chronic Effects**

###### **Carcinogenicity:**

No data available.

###### **IARC Monographs on the**

###### **Evaluation of**

###### **Carcinogenic Risks to**

###### **Humans:**

No carcinogenic components identified.

###### **US. National Toxicology**

###### **Program (NTP) Report on**

###### **Carcinogens:**

No carcinogenic components identified.

###### **US. OSHA Specifically**

###### **Regulated Substances**

###### **(29 CFR 1910.1001-1050):**

###### **Germ Cell Mutagenicity:**

No carcinogenic components identified.

###### **Reproductive toxicity:**

The Ames Salmonella test for mutagenicity was negative for this product.

###### **Specific Target Organ**

No data available.

###### **Toxicity - Repeated**

###### **Exposure:**

### **Section 12: Ecological Information**

#### **Fish:**

Very toxic to 2-Propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, polymer with 2-propenamidelife.

LC 50 (Fathead Minnow, 4 d): 24.8 mg/l

#### **Aquatic Invertebrates:**

2-Propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, polymer with 2-propenamide

LC 50 (Zebra Fish, 4 d): 11 mg/l

EC 50 (Water flea (Daphnia magna), 2 d): 11 mg/l

#### **Toxicity to Aquatic**

#### **Plants:**

No data available

<b>Toxicity to soil dwelling organisms:</b>	No data available	
<b>Sediment Toxicity:</b>	No data available	
<b>Toxicity to Terrestrial Plants:</b>	No data available	
<b>Toxicity to Above-Ground Organisms</b>	No data available	
<b>Toxicity to microorganisms:</b>	No data available	
<b>Persistence and Degradability</b>		
<b>Biodegradation:</b>	2-Propen-1-amium, N,N-dimethyl-N-2-propenyl-, chloride, polymer with 2-propenamide	OECD TG 301 B, 7 %, 28 d, Not readily degradable.
<b>Bioaccumulative Potential</b>		
<b>Bioconcentration Factor (BCF):</b>	No data available	
<b>Partition Coefficient n-octanol / water (log Kow):</b>	No data available	
<b>Mobility:</b>	No data available	
<b>Other Adverse Effects:</b>	No data available	

### **Section 13: Disposal Information**

<b>Disposal instructions:</b>	Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Dispose of packaging or containers in accordance with local, regional, national and international regulations. Empty container contains product residue which may exhibit hazards of product.
<b>Contaminated packaging:</b>	Container packaging may exhibit hazards.

### **Section 14: Transport Information**

<b>DOT:</b>	Not regulated.
<b>IMDG:</b>	Not regulated.
<b>IATA:</b>	Not regulated.
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b>	None known.

The DOT shipping information in this section is based on a bulk container. Please review the accompanying shipping papers for the correct shipping descriptions based the size of the package. Shipping descriptions may vary based on mode of transport, quantities, temperature of the material, package size, and/or origin and destination. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. During transportation, steps must be taken to prevent load shifting or materials falling, and all relating legal statutes should be obeyed. Review classification requirements before shipping materials at elevated temperatures.

### **Section 15: Regulatory Information**

<b>U.S. Federal Regulations</b>	
<b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):</b>	None present or none present in regulated quantities.
<b>CERCLA Hazardous Substance List (40 CFR 302.4) :</b>	None present or none present in regulated quantities.
<b>Superfund Amendments and Reauthorization Act of 1986 (SARA)</b>	

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**SARA 311**

**Classifications :**

**SARA 302 Extremely Hazardous Substance :**

**SARA 304 Emergency Release Notification :**

**SARA 313 (TRI Reporting) :**

**US State Regulations**

**US. California**

**Proposition 65:**

**Inventory Status**

**Australia (AICS) :**

**Canada (DSL/NDSL):**

None known. This product contains the following components: beta-Myrcene (Natural Source)

None present or none present in regulated quantities.

None present or none present in regulated quantities.

None present or none present in regulated quantities.

This product may contain chemical(s) known to the state of California to cause cancer and/or birth defects. Additional information can be received upon request.

All components are in compliance with chemical notification requirements in Australia. Exempt from DSL-listing for pharmaceutical or personal care use for substances in F&DA products that were on the market between 1 January 1987 and 13 September 2001.

All components of this product are listed on the Inventory of Existing Chemical Substances in China.

To obtain information on the REACH compliance status of this product, please e-mail REACH@SDSInquiries.com.

All components are in compliance with the Chemical Substances Control Law of Japan. This product contains one or more components that are not included on the Korean Existing Chemicals List (KECL). It is intended for use solely as a cosmetic ingredient in Korea.

All components are in compliance with chemical notification requirements in New Zealand.

This product requires notification before sale in the Philippines.

All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.

All components of this product are listed on the Taiwan inventory.

All components of this material are on the US TSCA Inventory.

**China (IECSC):**

**European Union (REACH):**

**Japan (ENCS):**

**Korea (ECL):**

**New Zealand (NZIoC):**

**Philippines (PICCS):**

**Switzerland (SWISS):**

**Taiwan (TCSCA):**

**United States (TSCA):**

The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in Section 3.

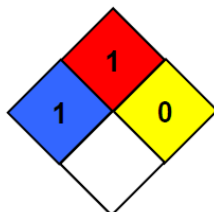
### Section 16: Other Information

**HMIS Hazard ID:**

<b>Health</b>	1
<b>Flammability</b>	1
<b>Physical Hazards</b>	0

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; \*Chronic health effect

**NFPA Hazard ID:**



	Flammability
	Health
	Reactivity
	Special hazard.

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

# Polyquaternium 7

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### **Disclaimer & Caution**

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