



# Safety Data Sheet

Issue Date: August 3, 2018

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

### 1.1 Product Identifier:

**Trade Name:** Polyquaternium-11  
**INCI Name:** Polyquaternium-11

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

**Product Use:** Active ingredient in cosmetic and personal care applications

### 1.3 Details of the Supplier of the Safety Data Sheet:

**Supplier:** Voyageur Soap and Candle Co LTD  
Unit 14 – 19257 Enterprise Way Surrey, BC V3S 6J8  
**Website:** [www.voyageursoapandcandle.com](http://www.voyageursoapandcandle.com)  
**Telephone:** 1 (800) 758 – 7773

### 1.4 Emergency Telephone Number:

**24-Hour Emergency:** 1 (800) 424 – 9300 CHEMTREC

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the Substance or Mixture

#### Classification according to Regulation (EC) No 1272/2008 [CLP]:

Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 2A

### 2.2 Label Elements: *Labeling according to Regulation (EC) No 1272/2008 [CLP]*



**Signal words: WARNING**

#### **Hazard Statement:**

H315: Causes skin irritation  
H319: Causes serious eye irritation

#### **Precautionary Statement:**

P264 Wash ... thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/ ... / face protection.

**Response**

P302 + P352 IF ON SKIN: Gently wash with soap and water.

P305 + P351 + P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P321 Specific treatment (See ... on this label).

P332 + P313 if skin irritation occurs: Get medical advice / attention.

P337 + P313 Get medical advice / attention

P362 Take off contaminated clothing and wash before reuse.

**2.3 Other Hazards:** NFPR Rating:

Health=1, Flammability=0, Instability=0

(0 = insignificant / 1 = slight / 2 = moderate / 3 = high / 4 = extreme)

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Chemical Name</b>	<b>CAS #</b>	<b>EINECS #</b>	<b>DSD Classification (67/548/EEC)</b>	<b>CLP Classification (EC) No 1272/2008</b>	<b>%</b>
Water	7732-18-5	231-791-2	Not classified as dangerous	Not Classified as hazardous	80
Polyquaternium-11	53633-54-8	N/A	Not classified as dangerous	Not Classified as hazardous	20

**Additional information:** For full text of H-statements and R-phrases: See SECTION 16

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of First Aid Measures:**

**Eye Contact:** Wash eyes immediately with large amounts of water. Get medical attention immediately.

**Skin Contact:** Remove contaminated clothing and shoes immediately. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15 – 20 minutes). Get medical attention if needed.

**Inhalation:** Remove from exposure immediately. Use a bag valve mask or similar device to perform artificial respiration (artificial breathing), if needed. Get medical attention immediately.

**Ingestion:** Contact the local poison control center or physician immediately. Give large amounts of water. If vomiting occurs, rinse mouth and keep head lower than hips to help prevent aspiration. Get medical attention if needed.

**4.2 Most Important symptoms and effects, both acute and delayed:**

Expected to be skin or eye irritant (based on available data). No other adverse clinical effects are known to be associated with exposure to this material.

**4.3 Indication of any immediate medical attention and special treatment needed:**

No immediate medical treatment normally needed. Contact physician if needed.

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1 Suitable Extinguishing Media:

Dry chemical, CO<sub>2</sub>, foam, halon, water spray (fog)

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

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

**Hazardous Decomposition Products:** None known

### 5.3 Advice for Fire-Fighters

#### Special Fire Procedures:

Self-contained breathing apparatus with full-face piece and protective clothing. Do not use direct or heavy water stream to fight fire as it may splash burning liquid.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Ensure adequate ventilation. Use chemical safety goggles for eye/face protection

### 6.2 Environmental Precautions:

Non-hazardous but avoid direct releases to the environment. Try to prevent the material from entering drains or water courses.

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

Use appropriate tools to put the spilled solid in a convenient waste disposal container. If necessary: neutralize the residue with a dilute solution of sodium carbonate. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

### 6.4 Reference to Other Sections:

Refer to Section 8 for protective equipment and Section 13 for disposal considerations

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for Safe Handling:

Keep working place well ventilated; no special precautions are needed under normal use conditions

### 7.2 Conditions for Safe Storage, Including any Incompatibilities:

Avoid temperatures above 40°C as this may affect the efficacy of the product. Optimum storage temperature is 24°C or lower. Do not freeze. Avoid exposure to sunlight for prolonged periods.

### 7.3 Specific end use(s):

Active ingredient in cosmetic and personal care applications

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control Parameters:

Chemical Name	8.1.1 Occupational Exposure Limits:	8.1.2 Additional exposure limits under the conditions of use:	8.1.3 DNEL/DMEL and PNEC-Values:
Water	No limits established	Not Available	Not Available
Polyquaternium-11	No limits established	Not Available	Not Available

### 8.2 Exposure Controls:

**8.2.1 Appropriate Engineering Controls:** General mechanical ventilation is acceptable

#### 8.2.2 Individual protection measures, such as personal protective equipment:

**Eye/face protection:** Chemical goggles with side splash protection recommended

**Hand Protection:** Protective gloves

**Body Protection:** Wear appropriate chemical resistant clothing

**Respiratory Protection:** Respiratory protection if there is a risk of exposure to high vapor concentration

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

**Other:** An eye wash facility should be available in the work area. Employees must practice good personal hygiene, washing exposed areas of the skin several times daily, Launder contaminated clothing before re-use.

**8.2.3 Environmental Exposure Controls:** Non-hazardous but avoid direct releases to the environment.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic Physical and Chemical Properties:

<b>Appearance:</b> Colourless to pale yellow – clear viscous liquid	<b>Vapor Pressure:</b> Not determined
<b>Odor:</b> Slight characteristic	<b>Vapor Density:</b> Not determined
<b>Odor Threshold:</b> No data available	<b>Specific Gravity:</b> No data
<b>pH:</b> 5.0 – 7.0	<b>Water Solubility:</b> Soluble
<b>Melting Point/Freezing Point:</b> -7°C	<b>n-octanol/Water Partition coefficient:</b> Not available
<b>Boiling Point:</b> No data	<b>Auto-ignition Temperature:</b> Not available
<b>Flash Point (COC):</b> No data	<b>Decomposition Temperature:</b> Not available
<b>Evaporation Rate:</b> Not applicable	<b>Viscosity (cP):</b> 20,000 ~ 60,000cps (25°C)
<b>Flammable Limits:</b> Not applicable	<b>Explosion Properties:</b> None
<b>Upper/lower flammability or explosive limits:</b> Not applicable	<b>Oxidizing Properties:</b> None

**9.2 Other Information:**

None

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity:**

Not reactive under normal conditions of use

**10.2 Chemical Stability:**

No known hazardous reactions

**10.3 Possibility of Hazardous Reactions:**

None known

**10.4 Conditions to Avoid:**

Avoid heat, flames sparks and other sources of ignition

**10.5 Incompatible Materials:**

Concentrated nitric or sulfuric acid, strong oxidizing agents

**10.6 Hazardous Decomposition Products:**

Thermal decomposition may produce oxides of carbon and nitrogen

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on Toxicological Effects:**

**Acute toxicity:** Oral LD50 is anticipated to be 12800mg/kg (Rat) based on testing of similar materials

**Irritation:** Category 2, 2A

**Corrosivity:** No data available

**Sensitization:** No data available

**Repeated dose toxicity:** No data available

**Carcinogenicity:** No component of this product is present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Mutagenicity:** No data available

**Toxicity for reproduction:** No data available

**Inhalation** – May cause respiratory irritation

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity:** No ecotoxicity data available

Acute (short-term) toxicity: N/A

Fish: N/A

Crustacea: N/A

Algae/aquatic plants: N/A

Other organisms: N/A

Chronic (long-term) toxicity: N/A

Fish: N/A

**12.2 Persistence and Degradability:**

Not available

**12.3 Bio accumulative 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 local and federal environmental regulations

**SECTION 14: TRANSPORT INFORMATION**

	<b>US DOT</b>	<b>EU land transport (ADR/RID/ADN)</b>	<b>Sea Transport (IMDG)</b>	<b>Air Transport (ICAO/IATA)</b>
<b>14.1 UN Number</b>	Not assigned	Not assigned	Not assigned	Not assigned
<b>14.2 UN Proper Shipping Name</b>	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3 Transport Hazard Class(s)</b>	None	None	None	None
<b>14.4 Packing Group</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5 Environmental Hazards</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.6 Special Precautions for user</b>	None	None	None	None
<b>14.7 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****15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:**

<b>EU EINECS/ELINCS/NLP:</b>	Listed
<b>Canada DSL:</b>	Listed
<b>US TSCA:</b>	Listed
<b>Korea KECI:</b>	Listed
<b>China IECSC/IECIC:</b>	Listed
<b>Japan ENCS:</b>	Not Listed
<b>Philippine PICCS:</b>	Listed
<b>Australia AICS:</b>	Listed
<b>New Zealand NZIoC:</b>	Listed

**15.2 Chemical Safety Assessment:**

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

<b>SECTION 16: OTHER INFORMATION</b>
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**16.1 Indication of Changes**

Version 1 created on June 3, 2015

Version 2 created on August 3, 2018 – Section 15.1 Update

**16.2 List of Relevant R-phrases (number and full text):**

Not applicable

**16.3 Legal Disclaimer**

The information provided in this Safety Data Sheet is based on current available data and knowledge and is believed to be accurate and given in good faith. Voyageur Soap & Candle Company Ltd. and its subsidiaries however assume no liability and make no warranty, either expressed or implied, pertaining to the accuracy and completeness of the information contained herein including in regards to fitness and merchantability. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and therefore should not be construed as guaranteeing any specific property. The information herein relates only to the specific designated material and may not be valid for such material used in combination with any other materials, or in any process not specified in the text. Users should therefore consider this data only as a supplement to other information available from all other sources, and should incorporate this information into programs for the proper use and disposal of their materials and the health and safety of employees and customers.

End of Safety Data Sheet