

## DALCAM 300Q

### SECTION 1. IDENTIFICATION

|   |  |
|---|--|
| <b>Product Identifier</b>               | DALCAM 300Q  |
| <b>Other Means of Identification</b>    | Code: 0103DALQG  |
| <b>Recommended Use</b>                  | Cleaning product.  |
| <b>Restrictions on Use</b>              | For food plant and industrial use only.  |
| <b>Manufacturer/Supplier Identifier</b> | Epsilon Chemicals Ltd., 1926-94 Street N.W., Edmonton, Alberta, T6N1J3, (780) 438-3040 |
| <b>Emergency Phone No.</b>              | CANUTEC, (613) 996-6666, 24/7  |
| <b>Date of Preparation</b>              | December 05, 2017  |

### SECTION 2. HAZARD IDENTIFICATION

**Classification**

Skin irritation - Category 2; Eye irritation - Category 2

**Label Elements**

 Signal Word:  
 Warning

**Hazard Statement(s):**

 Causes mild skin irritation.  
 Causes serious eye irritation.

**Precautionary Statement(s):**
**Prevention:**

 Wash hands and skin thoroughly after handling.  
 Wear gloves to minimize prolonged contact with skin.  
 Wear safety glasses if splash hazard exists.

**Response:**

IF SWALLOWED: Rinse mouth. Induce vomiting. Give large quantities of water to drink.

Get immediate medical advice/attention.

IF ON SKIN: Wash with plenty of water.

If skin irritation occurs: Get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Get medical attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Get medical attention.

**Storage:**

Store locked up in a cool, well-ventilated place away from possible contaminants.

Keep container closed when not in use.

**Disposal:**

Dispose of contents and container in accordance with local, regional, national and international regulations.

**Other Hazards**

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Contains no hazardous ingredients. Mixture:

| Chemical Name       | CAS No.   | %   | Other Identifiers | Other Names |
|---------------------|-----------|-----|-------------------|-------------|
| Potassium hydroxide | 1310-58-3 | 3-5 | Not applicable    |             |
| Sodium metasilicate | 6834-92-0 | 1-5 | Not applicable    |             |

## Notes

Concentrations are expressed in % weight/weight.

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

Remove source of exposure or move to fresh air. Keep at rest in a position comfortable for breathing. Get medical attention.

#### Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. If skin irritation occurs, get medical advice or attention.

#### Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. Get medical attention.

#### Ingestion

Rinse mouth with water. Induce vomiting. Give plenty of water to drink. Get immediate medical attention.

### Most Important Symptoms and Effects, Acute and Delayed

If inhaled: mist may cause irritation of the respiratory tract.

If on skin: brief exposures may cause irritation and defatting of skin.

If swallowed: causes burns to mouth and esophagus, nausea, vomiting, abdominal pain and diarrhea.

If in eyes: causes temporary discomfort and redness.

### Immediate Medical Attention and Special Treatment

#### Medical Conditions Aggravated by Exposure

None known.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Water fog, carbon dioxide, dry chemical powder.

#### Unsuitable Extinguishing Media

None known.

### Specific Hazards Arising from the Product

This product presents no unusual hazards in a fire situation.

In a fire, the following hazardous materials may be generated: very toxic carbon monoxide, carbon dioxide; sodium oxides.

### Special Protective Equipment and Precautions for Fire-fighters

No special precautions are necessary.

Use full protective clothing. Use appropriate certified respirators when facing concentrations above the exposure limit.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Keep out unnecessary and unprotected personnel. Use the personal protective equipment recommended in Section 8 of this safety data sheet. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Use appropriate certified respirators when facing concentrations above exposure limit. Remove or isolate incompatible materials as well as other hazardous materials.

### Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.

### Methods and Materials for Containment and Cleaning Up

Stop or reduce leak if safe to do so. Dike spilled product to prevent runoff. Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Flush spill area.

### Other Information

Report spills to local health, safety and environmental authorities, as required.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Do not swallow. Wear personal protective equipment to avoid direct contact with this chemical. Wash hands thoroughly after handling this material.

Do not breathe in this product. Only use where there is adequate ventilation. Avoid generating vapours or mists.

Avoid release to the environment. Keep containers tightly closed when not in use or empty.

### Conditions for Safe Storage

Store in an area that is: cool, temperature-controlled, ventilated, separate from incompatible materials (see Section 10:

Product Identifier: DALCAM 300Q - Ver. 1

Date of Preparation: December 05, 2017

Date of Last Revision: December 05, 2017

Stability and Reactivity).  
Store in a closed container.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

| Chemical Name       | ACGIH® TLV® |          | OSHA PEL        |         |
|---------------------|-------------|----------|-----------------|---------|
|                     | TWA         | STEL [C] | TWA             | Ceiling |
| Potassium hydroxide |             | 2 mg/m3  | Not established | 2 mg/m3 |

ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value.

OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits.

TWA = Time-Weighted Average. STEL = Short-term Exposure Limit. C = Ceiling limit.

### Appropriate Engineering Controls

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air. Provide eyewash and safety shower if contact or splash hazard exists.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles.

#### Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.  
Coveralls and rubber, vinyl or neoprene gloves should be worn.

#### Respiratory Protection

Not normally required if product is used as directed. Use approved respiratory protection if product is misted.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

|  |  |
|--|--|
| Appearance                                       | Clear green liquid.                                |
| Odour  | Floral   |
| Odour Threshold                                  | Not available                                      |
| pH   | 13.5   |
| Melting Point/Freezing Point                     | Not available (melting); 0 °C (32 °F) (freezing)   |
| Initial Boiling Point/Range                      | 100 °C (212 °F)                                    |
| Flash Point                                      | Not applicable                                     |
| Evaporation Rate                                 | Not available                                      |
| Flammability (solid, gas)                        | Not applicable (liquid).                           |
| Upper/Lower Flammability or Explosive Limit      | Not applicable (upper); Not applicable (lower)     |
| Vapour Pressure                                  | Not available                                      |
| Vapour Density (air = 1)                         | Not available                                      |
| Relative Density (water = 1)                     | 1.037  |
| Solubility                                       | Soluble in water                                   |
| Partition Coefficient, n-Octanol/Water (Log Kow) | Not available                                      |
| Auto-ignition Temperature                        | Not applicable                                     |
| Decomposition Temperature                        | Not available                                      |
| Viscosity  | Not available (kinematic); Not available (dynamic) |

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

### Conditions to Avoid

Incompatible materials. Acidic conditions (low pH). High temperatures.

### Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid), acids.

### Hazardous Decomposition Products

Very toxic carbon monoxide, carbon dioxide; sodium oxides.

## SECTION 11. TOXICOLOGICAL INFORMATION

Product Identifier: DALCAM 300Q - Ver. 1  
Date of Preparation: December 05, 2017  
Date of Last Revision: December 05, 2017

## Likely Routes of Exposure

Skin contact; eye contact; ingestion; inhalation.

## Acute Toxicity

| Chemical Name       | LC50          | LD50 (oral)      | LD50 (dermal)         |
|---------------------|---------------|------------------|-----------------------|
| Potassium hydroxide | Not available | 273 mg/kg (rat)  | > 1260 mg/kg (rabbit) |
| Sodium metasilicate |               | 1280 mg/kg (rat) |                       |

## Skin Corrosion/Irritation

Brief exposures may cause irritation and defatting of skin.

## Serious Eye Damage/Irritation

Causes temporary discomfort and redness upon contact with eyes.

## STOT (Specific Target Organ Toxicity) - Single Exposure

### Inhalation

Mist may cause irritation of respiratory tract.

### Ingestion

Symptoms may include nausea, vomiting, stomach cramps and diarrhea. Burning in mouth and esophagus.

## Carcinogenicity

| Chemical Name       | IARC          | ACGIH®         | NTP        | OSHA       |
|---------------------|---------------|----------------|------------|------------|
| Potassium hydroxide | Not evaluated | Not designated | Not Listed | Not Listed |

Key to Abbreviations

IARC = International Agency for Research on Cancer. ACGIH® = American Conference of Governmental Industrial Hygienists. NTP = National Toxicology Program. OSHA = US Occupational Safety and Health Administration.

No information was located for: Aspiration Hazard, STOT (Specific Target Organ Toxicity) - Repeated Exposure, Respiratory and/or Skin Sensitization, Development of Offspring, Sexual Function and Fertility, Effects on or via Lactation, Germ Cell Mutagenicity, Interactive Effects

## SECTION 12. ECOLOGICAL INFORMATION

Environmental information was not located.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Product should not be allowed to enter drains, water courses or the soil. This product and its container should be disposed of in accordance with local, regional, national and international regulations.

## SECTION 14. TRANSPORT INFORMATION

| Regulation   | UN No. | Proper Shipping Name         | Transport Hazard Class(es) | Packing Group |
|--------------|--------|------------------------------|----------------------------|---------------|
| Canadian TDG | 1814   | Potassium hydroxide solution | 8                          | II            |
| US DOT       | 1814   | Potassium hydroxide solution | 8                          | II            |

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

#### Canada

#### WHMIS 1988 Classification



Class D2B

D2B - Toxic

#### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL or are not required to be listed.

#### USA

#### Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

## SECTION 16. OTHER INFORMATION

**SDS Prepared By** Technical Service Department, Epsilon Chemicals  
**Phone No.** (780) 438-3040

Product Identifier: DALCAM 300Q - Ver. 1  
Date of Preparation: December 05, 2017  
Date of Last Revision: December 05, 2017

**Date of Preparation** December 05, 2017

**Date of Last Revision** December 05, 2017

**References** CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).  
HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS).  
Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).

**Disclaimer** The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.