

## StarSoft EQC

### SECTION 1. IDENTIFICATION

**Product Identifier** StarSoft EQC  
**Product Family** Fabric softener  
**Manufacturer** StarChem, LLC, 10150 Greenville Highway, Wellford, SC, 29385, EH&S Dept, 1-800-677-3500, [www.starchemglobal.com](http://www.starchemglobal.com)  
**Other Contact Information** StarChem, LLC, 10150 Greenville Highway, Wellford, SC, 29385, EH&S Dept, 1-800-677-3500, [www.starchemglobal.com](http://www.starchemglobal.com)  
**Emergency Phone No.** Chemtrec, 1-800-424-9300  
**SDS No.** 0636

### SECTION 2. HAZARD IDENTIFICATION

#### Classification

Skin irritation - Category 2; Eye irritation - Category 2B

#### Label Elements



Signal Word:

Warning

Hazard Statement(s):

H315 Causes skin irritation.

H320 Causes eye irritation.

Precautionary Statement(s):

Prevention:

P264 Wash hands and skin thoroughly after handling.

P280 Wear protective gloves.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Ethanaminium, 2-hydroxy-N, N-bis(2-hydroxyethyl)-N-methyl-, esters with C16-18 and C18-unsatd. fatty acids, Me sulfates (salts)	157905-74-3	84 - 86	
Dipropylene glycol	25265-71-8	6.5 - 8.5	
Diethylene glycol	111-46-6	6.5 - 8.5	

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

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#### **Inhalation**

Remove source of exposure or move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

#### **Skin Contact**

Wash with plenty of water. 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. If eye irritation persists, get medical advice or attention.

#### **Ingestion**

Drink plenty of water. Get medical advice or attention if you feel unwell or are concerned.

## **SECTION 5. FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

#### **Suitable Extinguishing Media**

Water mist, foam, dry powder, CO2.

#### **Unsuitable Extinguishing Media**

None known.

### **Specific Hazards Arising from the Product**

Harmful vapours.

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

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapours.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

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

Avoid contact with eyes, keep away from food and drink stuffs, and wash hands before breaks and at the end of work.

### **Methods and Materials for Containment and Cleaning Up**

Take up and fill into closable container.

## **SECTION 7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

Avoid repeated or prolonged skin contact. Do not get in eyes. Do not swallow. Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling. Keep container closed when not in use. Protect from freezing. Stir before using. Keep container tightly closed and store in a cool, dry well-ventilated location.

Keep away from any area where the fire hazard may be acute. Outside or detached storage is preferred.

Storage period: 12 months.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Avoid contact with eyes

Keep away from food and drink stuffs

Wash hands before breaks and at end of work.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

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## Basic Physical and Chemical Properties

<b>Appearance</b>	Light yellow paste.
<b>Odour</b>	Fatty (Fatty acids, tall-oil, compds. with triethanolamine)
<b>pH</b>	2.5 - 3.5 (5% solution)
<b>Melting Point/Freezing Point</b>	18 °C (64 °F) (melting)
<b>Initial Boiling Point/Range</b>	303 °C (577 °F)
<b>Flash Point</b>	> 200 °C
<b>Relative Density (water = 1)</b>	~ 0.98
<b>Solubility</b>	Dispersible in water

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Stable under ordinary conditions of use and storage.

### Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

### Conditions to Avoid

Prolonged exposure to high temperatures.

### Incompatible Materials

Oxidizing agents, Acids, Bases.

### Hazardous Decomposition Products

By Fire and Thermal Decomposition: Carbon oxides, other potentially toxic fumes.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### Oral

Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate	N/A
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Dipropylene glycol	LD50 14850 Rat
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Diethylene glycol	LD50 12565 Rat
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Skin	N/A
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Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate	N/A
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Dipropylene glycol	LD50 >5000 Rabbit
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Diethylene glycol	LD50 11890 Rabbit
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#### Inhalation

Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate	N/A
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Dipropylene glycol	N/A
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Diethylene glycol	N/A
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#### Skin Corrosion/Irritation

Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate	2 Category
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Dipropylene glycol	Slight irritating
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Diethylene glycol	Slight irritating
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#### Serious Eye Damage/Irritation

Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate	2 Category
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Dipropylene glycol	Not irritating
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Diethylene glycol	Slight irritating
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#### Respiratory

Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate	N/A
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Dipropylene glycol	N/A
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Diethylene glycol	N/A
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Skin Sensitization		
Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate	N/A	
Dipropylene glycol	N/A	
Diethylene glycol	N/A	
Carcinogenicity		
IARC		
Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate	N/A	
Dipropylene glycol	N/A	
Diethylene glycol	N/A	
NTP		
Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate	N/A	
Dipropylene glycol	N/A	
Diethylene glycol	N/A	
OSHA		
Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate	N/A	
Dipropylene glycol	N/A	
Diethylene glycol	N/A	
WISHA	N/A	
Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate	N/A	
Dipropylene glycol	N/A	
Diethylene glycol	N/A	
ACGIH	N/A	
Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate	N/A	
Dipropylene glycol	N/A	
Diethylene glycol	N/A	
Germ Cell Mutagenicity		
Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate	Negative In vitro ames test (OECD SIDS)	
Dipropylene glycol	N/A	
Diethylene glycol	N/A	
Reproductive Toxicity		
Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate	N/A	
Dipropylene glycol	N/A	
Diethylene glycol	N/A	
Specific Target Organ Toxicity - Single Exposure		
Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate	N/A	
Dipropylene glycol	N/A	
Diethylene glycol	N/A	
Specific Target Organ Toxicity - Repeated Exposure		
Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate	N/A	
Dipropylene glycol	N/A	
Diethylene glycol	N/A	
Aspiration Hazard		
Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate	N/A	
Dipropylene glycol	N/A	
Diethylene glycol	N/A	

## SECTION 12. ECOLOGICAL INFORMATION

### A. TOXICITY

Fish		
Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate	N/A	
Dipropylene glycol	LC50 1888.3 96 hr	
Diethylene glycol	LC50 32000 96 hr	
Crustacean		
Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate	N/A	
Dipropylene glycol	LC50 1841.9 48 hr Daphnia magna	
Diethylene glycol	N/A	

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Birds  
Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate N/A  
Dipropylene glycol EC50 1064.8 96 hr  
Diethylene glycol N/A

#### B. PERSISTENCE AND DEGRADABILITY

##### Persistence

Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate N/A  
Dipropylene glycol -1.07 log Kow  
Diethylene glycol -1.47 log Kow

##### Degradability

Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate N/A  
Dipropylene glycol N/A  
Diethylene glycol N/A

#### C. BIOACCUMULATIVE POTENTIAL

##### Bioaccumulation

Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate N/A  
Dipropylene glycol N/A  
Diethylene glycol N/A

##### Biodegradability

Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate 99 (%) 28 day ( GLP, OECD TG 301D )  
Dipropylene glycol 16 (%) 28 day  
Diethylene glycol 31 (%) 28 day

#### D. MOBILITY

Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate N/A  
Dipropylene glycol N/A  
Diethylene glycol N/A

#### E. OTHER ADVERSE EFFECTS

Dialkyl diester Hydroxy ethyl Methyl Ammonium Methosulfate N/A  
Dipropylene glycol N/A  
Diethylene glycol N/A.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

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

## SECTION 14. TRANSPORT INFORMATION

Not regulated under US DOT Regulations.

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

#### Canada

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

Listed on the DSL.

#### USA

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

Listed on the TSCA Inventory.

## SECTION 16. OTHER INFORMATION

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<b>NFPA Rating</b>	<b>Health - 2</b>	<b>Flammability - 1</b>	<b>Instability - 0</b>
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