

SAFETY DATA SHEET

1. Identification

Product Name:	Equat CH-15
Recommended use of chemical and restrictions on use:	Detergent for industrial and professional use. Product for the formulation of detergents for consumer use.
Chemical family:	Not Available
Name and address of the supplier:	Essential Ingredients, Inc. 2408 Tech Center Parkway Suite 200 Lawrenceville, GA, US 30043
Supplier's telephone number:	(770) 831-9010
24 Hr. Emergency telephone number:	(800) 424-9300 (CHEMTREC)

2. Hazard(s) Identification

HMIS:	Health	0
	Flammability	0
	Reactivity	0
	Personal Protection	0

Label Elements:



Signal Word:

DANGER

Hazard Statement(s):	Causes serious eye damage. Harmful to aquatic life.
Precautionary Statement(s) Prevention	Wear eye protection and protective gloves. Wash skin thoroughly after handling. Avoid release to the environment.
Precautionary Statement(s) Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Immediately call a poison control center. Collect Spillage.
Precautionary Statement(s) Storage	Information not available.
Precautionary Statement(s) Disposal	Information not available.

3. Composition/Information on Ingredients

Chemical Name of Hazardous Components	CAS Number	Percent by Weight
Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, methyl sulfates (salts)	68989-03-7	>= 74% - <76%

4. First Aid Measures

Ingestion:	Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.
Inhalation:	Move person to fresh air. See a physician.
Skin Contact:	Immediately take off all contaminated clothing. Wash with plenty of soap and water. If irritation occurs, see a physician.

Eye Contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

General information- Never give anything by mouth to an unconscious person. Call a poison center or doctor if you feel unwell. All treatments should be based on observed signs and symptoms of distress in the patient. Treat symptomatically. No specific antidote available.

5. Firefighting Measures

Fire/Explosion Hazard:

No information available

Extinguishing Media:

Water, carbon dioxide (CO₂).

Unsuitable Extinguishing Material:

No information available

Specific Hazards Arising from the Chemical:

Do not inhale explosion and combustion gases.
Burning produces heavy smoke.

Special Firefighting Procedures:

Use suitable breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

Special Protective Equipment for Firefighters:

Wear self-contained breathing apparatus for firefighting if necessary. Use recommended personal protective equipment.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

See section 7 and 8.

Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Methods and material for containment and cleaning up.

Wash with plenty of water.

Reference to other sections See also section 8 and 13.

7. Handling and Storage

Precautions for Safe Handling:

Avoid contact with skin and eyes, inhalation of vapors and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.

Product should be homogenized before use, especially in the following cases:
- whenever partial volumes are taken from the drum
- when product is stored at low temperatures (less than 6°C)
- when product rests in stock for a long period of time (more than six months).

Store in tightly closed containers. Store away from sunlight and frost (+5 ° C - +30 ° C).

Shelf-life:

Max 2 years from production batch date, in sealed and healthy package, stored in a dry place.

Handling:

Conditions for Safe Storage Including Any Incompatibilities:

Product should be homogenized before use, especially in the following cases:
- whenever partial volumes are taken from the drum
- when product is stored at low temperatures (less than 6°C)
- when product rests in stock for a long period of time (more than six months).

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

8. Exposure Controls/Personal Protection

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas.
Ensure easy access to an eyewash station and a safety shower.

Personal Protective Equipment (PPE):

General Information: Not available

Eye/Face Protection: Wear safety glasses as a minimum, preferably chemical goggles.

Skin/Hand Protection: Wear chemically resistant gloves. Safety shoes. Lab coat.

Respiratory Protection: In the case in which the product, during the application, develops fog and / or aerosol: Filtering device (DIN EN 147).

Other: Facility should be equipped with eyewash and safety showers close to point of product usage. Use reasonable care. These precautions are for room temperature handling. Use at elevated temperatures or in aerosol/spray applications may require added precautions.

9. Physical and Chemical Properties

Appearance:

Physical State: liquid

Color: Clear

Odor: Characteristic

Odor Threshold: Not Available

pH 5.5

Freezing/Melting Point (°C): 10° C

Boiling Point (°C): 100°C

Flash Point (°C): 100 - 199 ° C

Evaporation Rate: Not Available

Flammability: Not Available

Upper Explosive Limit (%): Not Available

Lower Explosive Limit (%):	Not Available
Vapor Pressure:	Not Available
Vapor Density:	Not Available
Relative Density:	1.01 g/mL approx.
Solubility in Water:	Completely soluble
Solubility (Other):	Not Available
Partition Coefficient (n-Octanol/Water)	Not Available
Auto-ignition Temperature (°C):	Not Available
Decomposition Temperature (°C):	Not Available
Viscosity:	Not Available
VOC:	Not Available
Percent Volatile:	Not Available
Specific Gravity	Not Available

10. Stability and Reactivity

Reactivity:	Stable under normal conditions
Chemical Stability:	Stable under normal conditions.
Possibility of Hazardous Reactions:	None
Conditions to Avoid:	Stable under normal conditions.
Incompatible Materials:	None in particular
Hazardous Decomposition Products:	None

11. Toxicological Information

Acute oral toxicity (rat)	Not classified based on available information.
Acute dermal toxicity (rabbit)	No applicable information is available
Acute inhalation toxicity	Not available
Subchronic oral toxicity (rat)	Not available
Skin irritation (rabbit)	Not classified based on available information.
Eye irritation (rabbit)	The product is classified: Eye Dam. 1 H318
Sensitization	Not classified based on available information.
Phototoxicity (guinea pig)	Not available
Chronical toxicity	Not Available

12. Ecological Information

Adopt good working practices, so that the product is not released into the environment.

Equat CH-15

The product is classified: Aquatic Chronic 2 - H411

Toxicity

Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, methyl sulfates (salts) - CAS: 68989-03-7

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 28 mg/l - Duration h: 96 - Notes:

Species: Danio rerio

Endpoint: EC50 - Species: Daphnia > 10 mg/l - Duration h: 48

Endpoint: NOEC - Species: Fish = 24 mg/l - Notes: Species: Danio rerio

e) Plant toxicity:

Endpoint: EC50 - Species: Algae > 1 mg/l - Duration h: 72

Persistence and degradability

Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, methyl sulfates (salts) - CAS: 68989-03-7

Biodegradability: Non-readily biodegradable - Test: Method OECD 301 /B - Duration h:

Closed bottle, 28d - %: 32 - Notes: (<60% OECD 301B)

Bioaccumulative potential

Not available

Mobility in soil

Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, methyl sulfates (salts) - CAS: 68989-03-7.

Mobility in soil: Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. - Test: N.A. N.A. - Duration

Results of PBT and vPvB assessment

None

Other adverse effects

Not available

13. Disposal Considerations

Waste treatment methods

Recover, if possible. Send to authorized disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

14. Transportation Information

UN number

3082

UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, methyl sulfates (salts))
Transport hazard class	9
Packing group	III
Environmental hazards	None
Special precautions for user	Marine Pollutant
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	No information available

15. Regulatory Information

US Federal Regulations

**Safety, health, and
environmental regulations/legislation
specific for the substance**

No data available

SARA 311/312:

No data available

US State Regulations:

Listed on the United States TSCA (Toxic Substances Control Act)
inventory

California Prop 65

No data available

16. Other Information

Source of Information:

No data available

Further Information:

No data available

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