

Foamer ES

SECTION 1. IDENTIFICATION

Product Identifier	Foamer ES
Recommended Use	DRILLING ADDITIVE - FORAGE ADDITIF - PERFORACIÓN ADITIVO.
Manufacturer	Control Chemical (1989) Corporation, 7016 30 Street S.E., Calgary, AB, T2C 1N9, 403-720-7044, www.matex-ccc.com
Emergency Phone No.	Control Chemical (1989) Corporation, 403-720-7044, 24 Hours
Date of Preparation	November 18, 2015

SECTION 2. HAZARD IDENTIFICATION

Label Elements

No label elements assigned.

Other Hazards

Product is classified as a IIIB combustible liquid (Flash Point >93.3 degrees Celsius).

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Sodium olefin sulphonate	68439-57-6	30 - 40	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Keep at rest in a position comfortable for breathing. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Get medical advice or attention if you feel unwell or are concerned.

Eye Contact

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

Ingestion

Rinse mouth with water. Do not induce vomiting, contact physician.

First-aid Comments

Flush eyes with water. Wash skin with soap and water. In case of ingestion, do not induce vomiting. Call a physician immediately.

Most Important Symptoms and Effects, Acute and Delayed

If on skin: may cause irritation, redness, swelling or dermatitis. If swallowed: may cause gastrointestinal irritation, cramps or diarrhea. If in eyes: will cause painful burning or stinging of eyes and lids, watering of eyes and inflammation of conjunctiva.

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SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Foam, Carbon dioxide, and Dry chemical.

Specific Hazards Arising from the Product

Oxides of carbon. Oxides of sulphur. Will produce products of incomplete combustion. Product capable of burning after drying.

Special Protective Equipment and Precautions for Fire-fighters

No special precautions are necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet. Follow proper industrial hygiene and safety practices.

Environmental Precautions

Do not allow product to enter sewers, drains, waterways, or confined spaces.

Methods and Materials for Containment and Cleaning Up

Spills should be contained and cleaned up properly. For small amounts, flush with water. For large amounts, contain and collect into waste container for appropriate disposal. Soak up spill with and absorbent material. Eg. sand, vermiculite, or diatomaceous earth. Flush area with water.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling. Wear personal protective equipment to avoid direct contact with product. Caution: water contact with product will cause slippery conditions.

Conditions for Safe Storage

Store in a tightly sealed container. Keep containers tightly closed when not in use or when empty. Store in a cool, dry, well ventilated area. Keep separate from incompatible materials (see section 10).

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Not available.

Appropriate Engineering Controls

General ventilation is usually adequate. Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

Individual Protection Measures

Eye/Face Protection

Wear safety goggles or face shield.

Skin Protection

Wear chemical resistant gloves. Wear clothing as required to protect against contact.

Respiratory Protection

If vapour or dusts are present, use a NIOSH-approved air-purifying respirator as needed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance Clear yellow liquid.

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Odour	Soapy
pH	8.0 (10% solution)
Melting Point/Freezing Point	-3 °C (27 °F) (melting)
Initial Boiling Point/Range	106 °C (223 °F)
Flash Point	> 93.3 °C (199.9 °F) (closed cup)
Evaporation Rate	Not available
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	759.90 mm Hg (101.32 kPa)
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	1.05
Solubility	Not available in water
Auto-ignition Temperature	Not available
Other Information	
Bulk Density	66 lb/ft ³ (1050 kg/m ³)

SECTION 10. STABILITY AND REACTIVITY

Reactivity

None known.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Avoid contamination with reactive substances.

Incompatible Materials

Oxidizing agents (e.g. peroxides), reducing agents (e.g. hydroquinone).

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Sodium olefin sulphonate		3,900 mg/kg (rabbit)	

LC50: No information was located.

Skin Corrosion/Irritation

Contact may cause irritation, redness and swelling. Frequent or prolonged contact may cause dermatitis.

Serious Eye Damage/Irritation

Will cause painful burning or stinging of eyes and lids, watering of eyes and inflammation of conjunctiva.

Carcinogenicity

Not known to cause cancer.

Reproductive Toxicity

Development of Offspring

Possible teratogen.

Germ Cell Mutagenicity

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No information was located.

Other Information

Chlorosultones have a toxicologically synergistic effect with product.

SECTION 12. ECOLOGICAL INFORMATION

Persistence and Degradability

Biodegradable.

Bioaccumulative Potential

No information was located.

Mobility in Soil

Studies are not available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of in accordance with all applicable Federal/Provincial and Local regulations.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under IATA 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

Product is classified as IIIB combustible liquid (Flash Point >93.3 degrees Celsius).

Canada

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

All ingredients are listed on the DSL/NDSL.

USA

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

All ingredients are listed on the TSCA Inventory.

SECTION 16. OTHER INFORMATION

NFPA Rating	Health - 1	Flammability - 1	Instability - 0
SDS Prepared By	Control Chemical (1989) Corporation		
Date of Preparation	November 18, 2015		
Disclaimer	To the best of our knowledge the information contained herein is accurate. However neither the above named supplier, nor any of it's subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein		

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**Material Safety Data Sheet
FOAMER ES**

Material Identification and Use

MANUFACTURER'S NAME.....CONTROL CHEMICAL (1989) CORPORATION
MANUFACTURER'S ADDRESS.....7016 30 Street SE Calgary, Alberta T2C 1N9
EMERGENCY PHONE NUMBER.....(403) 720-7044
SUPPLIER IDENTIFIER

SUPPLIER'S ADDRESS.....
SUPPLIER EMERGENCY PHONE NUMBER.....
PRODUCT IDENTIFIER.....FOAMER ES
PRODUCT USE

Hazardous Ingredients of Materials

Chemical Identity	Concentration	CAS#/NA#/UN#	LD(50)	LC(50)
Sodium Olefin Sulphonate	30-40%	CAS 68439-57-6	3,900 mg/kg (Oral, Rabbit)	

Physical Data For Product

PHYSICAL STATE.....Liquid
ODOUR AND APPEARANCE.....Clear, pale yellow liquid, bland odour.
ODOUR THRESHOLD.....Not Available
SPECIFIC GRAVITY.....1.05
VAPOUR PRESSURE.....Same as water
VAPOUR DENSITY (air=1).....same as water
EVAPORATION RATE.....same as water
BOILING POINT.....106 degrees C
FREEZING POINT.....-3 degrees C
pH.....8.0 (10% in D.W.)
DENSITY (g/ml).....1.05
COEFFICIENT OF WATER/OIL DISTRIBUTION.....

Fire and Explosion Hazard of Product

CONDITIONS OF FLAMMABILITY.....Will burn after drying
MEANS OF EXTINCTION.....Water fog, Foam, CO₂, Dry Chemical
FLASHPOINT AND METHOD OF DETERMINATION.....>93.3 degrees C (PM/CC)
UPPER EXPLOSION LIMIT(% BY VOL).....Not Applicable
LOWER EXPLOSION LIMIT(% BY VOL).....Not Applicable
AUTO-IGNITION TEMPERATURE.....Not Applicable
FLAMMABILITY CLASSIFICATION.....
HAZARDOUS COMBUSTION PRODUCTS.....Oxides of carbon and sulphur and products of incomplete combustion
EXPLOSION DATA.....Not sensitive.
SENSITIVITY TO STATIC DISCHARGE.....Not sensitive.

Reactivity Data

CHEMICAL STABILITY.....Stable under normal conditions. Hazardous polymerization will not occur.
INCOMPATIBLE MATERIALS.....Avoid strong oxidizing and reducing agents.

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CONDITIONS OF REACTIVITYAvoid contamination with reactive substances.
HAZARDOUS DECOMPOSITION PRODUCTSNot available.

Toxicological Properties of Product

ROUTES OF ENTRY
SKIN CONTACTNo effects of exposure expected due to contact.
Prolonged contact may cause skin irritation or dermatitis
in some individuals.
SKIN ABSORPTIONNot available
EYEWill cause painful burning or stinging of eyes and lids,
watering of eyes, and inflammation of conjunctiva.
INHALATIONNot available
INGESTIONMay cause nausea and vomiting.
ACUTE OVER EXPOSURE EFFECTS
CHRONIC OVER EXPOSURE EFFECTSSkin irritation or dermatitis may occur upon frequent or
prolonged contact.
EXPOSURE LIMITSNot established.
IRRITANCY OF PRODUCTSkin: mild irritant Eye: severe irritant.
SENSITIZATION TO MATERIALRepeated or prolonged contact may cause sensitization in
some individuals.
CARCINOGENICITY, REPRODUCTIVE EFFECTSProduct has not been listed as a carcinogen or potential
carcinogen by either the ACGIH or the IARC.
TERATOGENICITY, MUTAGENICITYPossible teratogen, Mutagenicity: Not available
TOXICOLOGICALLY SYNERGISTIC PRODUCTSChlorosulfones

Preventive Measures

PERSONAL PROTECTIVE EQUIPMENTChemical goggles, rubber or plastic gloves, and clothing
as required to protect against contact. If mist and/or hot
vapors are present, use air-purifying respirator or self-
contained breathing apparatus as required.
SPECIFIC ENGINEERING CONTROLSUse with adequate ventilation for misting operations.
LEAK AND SPILL PROCEDURESSmall amounts - Flush with water. Large amounts -
contain spill and collect into waste container. Absorb
remaining product with earth or sand and dispose of with
solid waste. Flush area with water.
WASTE DISPOSALDispose of waste according to federal, provincial, and
local regulations.
HANDLING PROCEDURES AND EQUIPMENTAvoid prolonged or frequent contact when handling
material. Avoid breathing mists or vapor. Handle only
in adequately ventilated areas.
STORAGE REQUIREMENTSStore at room temperature 20 - 30 degrees C.
SPECIAL SHIPPING INFORMATIONNot Regulated.

First Aid Measures

SPECIFIC FIRST AID PROCEDURESFlush eyes with abundant water. Wash skin with soap
and water. If ingested, give water. DO NOT induce
vomiting. Call a physician.

Preparation Date of Material Safety Data Sheet

Material Safety Data Sheet
FOAMER ES

PREPARED BY.....Safety Committee
PHONE NUMBER OF PREPARER (403) 720-7044
DATE PREPARED.....January 2, 2010

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