



Giant Mine Remediation Project
PO Box 1500
Yellowknife, NT X1A 2R3

March 27, 2018

Devin Penney
Resource Management Officer
Indigenous and Northern Affairs Canada
4923 52nd Street
Yellowknife, NT X1A 2R3

Re: GENERAL NOTIFICATION OF DRILL FOAMING AGENT FOR C5-09 STOPE BACKFILLING AT GIANT MINE

Dear Mr. Penney:

The Giant Mine Remediation Project is providing notification for the use of an alternative drill foaming agent, Foamer ES. This foaming agent is a fluid product that is used to carry the cuttings and clean the drill hole before each pipe connection. This work is being completed under the Mackenzie Valley Land and Water Board Water Licence MV2012L8-0010 and Land Use Permit MV2016S0016. The Material Safety Data Sheet for this alternative product is attached.

Should you have any questions or require any clarification regarding the information in this application, please contact the undersigned by telephone at (867) 669-2775 or by email at Katherine.Harris2@canada.ca.

Sincerely,

Katherine Harris
Regulatory Manager
Indigenous and Northern Affairs Canada
Giant Mine Remediation Project

CC: Tyree Mullaney, Regulatory Specialist, MVLWB, Northwest Territories

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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FOAMER ES

CONDITIONS OF REACTIVITY Avoid contamination with reactive substances.
HAZARDOUS DECOMPOSITION PRODUCTS Not available.

Toxicological Properties of Product

ROUTES OF ENTRY
SKIN CONTACT No effects of exposure expected due to contact.
Prolonged contact may cause skin irritation or dermatitis
in some individuals.
SKIN ABSORPTION Not available
EYE Will cause painful burning or stinging of eyes and lids,
watering of eyes, and inflammation of conjunctiva.
INHALATION Not available
INGESTION May cause nausea and vomiting.
ACUTE OVER EXPOSURE EFFECTS
CHRONIC OVER EXPOSURE EFFECTS Skin irritation or dermatitis may occur upon frequent or
prolonged contact.
EXPOSURE LIMITS Not established.
IRRITANCY OF PRODUCT Skin: mild irritant Eye: severe irritant.
SENSITIZATION TO MATERIAL Repeated or prolonged contact may cause sensitization in
some individuals.
CARCINOGENICITY, REPRODUCTIVE EFFECTS Product has not been listed as a carcinogen or potential
carcinogen by either the ACGIH or the IARC.
TERATOGENICITY, MUTAGENICITY Possible teratogen, Mutagenicity: Not available
TOXICOLOGICALLY SYNERGISTIC PRODUCTS Chlorosultones

Preventive Measures

PERSONAL PROTECTIVE EQUIPMENT Chemical 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 CONTROLS Use with adequate ventilation for misting operations.
LEAK AND SPILL PROCEDURES Small 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 DISPOSAL Dispose of waste according to federal, provincial, and
local regulations.
HANDLING PROCEDURES AND EQUIPMENT Avoid prolonged or frequent contact when handling
material. Avoid breathing mists or vapor. Handle only
in adequately ventilated areas.
STORAGE REQUIREMENTS Store at room temperature 20 - 30 degrees C.
SPECIAL SHIPPING INFORMATION Not Regulated.

**Material Safety Data Sheet
FOAMER ES**

First Aid Measures

SPECIFIC FIRST AID PROCEDURES Flush 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

PREPARED BY Safety Committee
PHONE NUMBER OF PREPARER..... (403) 720-7044
DATE PREPARED.....January 2, 2013

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