



# Material Safety Data Sheet

Issue Date: 26-SEP-2011  
Supersedes: 14-SEP-2010

FOAMTROL AF1440

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## 1 Identification

**Identification of substance or preparation**  
FOAMTROL AF1440

**Product Application Area**  
Antifoam.

**Company/Undertaking Identification**  
GE Betz, Inc.  
4636 Somerton Road  
Trevose, PA 19053  
T 215 355-3300, F 215 953 5524

**Emergency Telephone**  
(800) 877-1940

Prepared by Product Stewardship Group: T 215-355-3300    Prepared on: 26-SEP-2011

## 2 Hazard(s) identification

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**EMERGENCY OVERVIEW**

**CAUTION**

May cause slight irritation to the skin. May cause dermatitis. May cause moderate irritation to the eyes. May cause irritation to the upper respiratory tract. Exposure may cause dizziness, headache, CNS depression and chemical pneumonitis.

DOT hazard is not applicable  
Odor: Hydrocarbon; Appearance: Amber, Liquid

Fire fighters should wear positive pressure self-contained breathing apparatus (full face-piece type). Proper fire-extinguishing media: dry chemical, carbon dioxide, foam or water

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**POTENTIAL HEALTH EFFECTS**

**ACUTE SKIN EFFECTS:**

Primary route of exposure; May cause slight irritation to the skin. May cause dermatitis.

**ACUTE EYE EFFECTS:**

May cause moderate irritation to the eyes.

**ACUTE RESPIRATORY EFFECTS:**

May cause irritation to the upper respiratory tract. Exposure may cause dizziness, headache, CNS depression and chemical pneumonitis.

**INGESTION EFFECTS:**

May cause gastrointestinal irritation with possible nausea, vomiting, abdominal discomfort and diarrhea. Small amounts aspirated during ingestion or vomiting may cause lung injury, possibly leading to death.

**TARGET ORGANS:**

Prolonged or repeated exposures may cause defatting-type dermatitis. Lifetime skin painting studies in mice have produced skin tumors.

**MEDICAL CONDITIONS AGGRAVATED:**

Not known.

**SYMPTOMS OF EXPOSURE:**

Prolonged exposure may cause drying and cracking of skin.

### 3 Composition / information on ingredients

Information for specific product ingredients as required by the U.S. OSHA HAZARD COMMUNICATION STANDARD is listed. Refer to additional sections of this MSDS for our assessment of the potential hazards of this formulation. This product is subject to the Pennsylvania and New Jersey Worker and Community Right to Know Law.

**HAZARDOUS INGREDIENTS:**

Cas#	Chemical Name	Range (w/w%)
64741-44-2	DISTILLATES, PETROLEUM, STRAIGHT-RUN MIDDLE IARC=3 (carcinogen status not classifiable); potential lung toxin; similar petroleum oils have been shown to cause skin tumors in laboratory animals	60-100

**NON-HAZARDOUS INGREDIENTS:**

CAS#	CHEMICAL NAME
67701-03-5	FATTY ACIDS, C16-18
61791-00-2	POLYETHYLENE GLYCOL MONOTALLATE
25791-96-2	POLYPROPYLENE GLYCOL GLYCEROL ETHER

### 4 First-aid measures

**SKIN CONTACT:**

Wash thoroughly with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

**EYE CONTACT:**

Remove contact lenses. Hold eyelids apart. Immediately flush eyes with plenty of low-pressure water for at least 15 minutes. Get immediate medical attention.

**INHALATION:**

Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get immediate

medical attention.

**INGESTION:**

Do not feed anything by mouth to an unconscious or convulsive victim. Do not induce vomiting. Immediately contact physician. Dilute contents of stomach using 2-8 fluid ounces (60-240 mL) of milk or water.

**NOTES TO PHYSICIANS:**

This product contains a hydrocarbon solvent. Aspiration into the lungs will result in chemical pneumonia and may be fatal.

## 5 Fire-fighting measures

**FIRE FIGHTING INSTRUCTIONS:**

Fire fighters should wear positive pressure self-contained breathing apparatus (full face-piece type).

**EXTINGUISHING MEDIA:**

dry chemical, carbon dioxide, foam or water

**HAZARDOUS DECOMPOSITION PRODUCTS:**

oxides of carbon

**FLASH POINT:**

> 200F > 93C P-M(CC)

## 6 Accidental release measures

**PROTECTION AND SPILL CONTAINMENT:**

Ventilate area. Use specified protective equipment. Contain and absorb on absorbent material. Place in waste disposal container. Flush area with water. Wet area may be slippery. Spread sand/grit.

**DISPOSAL INSTRUCTIONS:**

Water contaminated with this product may be sent to a sanitary sewer treatment facility, in accordance with any local agreement, a permitted waste treatment facility or discharged under a permit. Product as is - Incinerate or land dispose in an approved landfill.

## 7 Handling and storage

**HANDLING:**

Vent carefully before opening.

**STORAGE:**

Keep containers closed when not in use. Store between 90-110F (32-43C) to prevent crystallization. If storage is below 90F (32C), warm and mix prior to use to ensure homogeneity. Store away from oxidizers.

## 8 Exposure controls / personal protection

**EXPOSURE LIMITS**

**CHEMICAL NAME**

DISTILLATES, PETROLEUM, STRAIGHT-RUN MIDDLE

PEL (OSHA): 5 MG/M3 (Oil mist, mineral)

TLV (ACGIH): TWA = 5 MG/M3; STEL = 10 MG/M3 (Oil mist, mineral)

**ENGINEERING CONTROLS:**

Adequate ventilation to maintain air contaminants below exposure

limits.

**PERSONAL PROTECTIVE EQUIPMENT:**

Use protective equipment in accordance with 29CFR 1910 Subpart I

**RESPIRATORY PROTECTION:**

A RESPIRATORY PROTECTION PROGRAM THAT MEETS OSHA'S 29 CFR 1910.134 AND ANSI Z88.2 REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A RESPIRATOR'S USE. USE AIR PURIFYING RESPIRATORS WITHIN USE LIMITATIONS ASSOCIATED WITH THE EQUIPMENT OR ELSE USE SUPPLIED AIR-RESPIRATORS. If air-purifying respirator use is appropriate, use organic vapor cartridges and any of the following particulate respirators: R95, R99, R100, P95, P99 or P100.

**SKIN PROTECTION:**

viton gloves-- Wash off after each use. Replace as necessary.

**EYE PROTECTION:**

splash proof chemical goggles

## 9 Physical and chemical properties

Spec. Grav. (70F,21C)	0.867	Vapor Pressure (mmHG)	< 1.0
Freeze Point (F)	18	Vapor Density (air=1)	> 1.00
Freeze Point (C)	-8		
Viscosity(cps 70F,21C)	11	% Solubility (water)	0.0

Odor	Hydrocarbon
Appearance	Amber
Physical State	Liquid
Flash Point	P-M(CC) > 200F > 93C
pH 5% Emulsion (approx.)	5.6
Evaporation Rate (Ether=1)	< 1.00
Percent VOC:	53.9

NA = not applicable      ND = not determined

## 10 Stability and reactivity

**CHEMICAL STABILITY:**

Stable under normal storage conditions.

**POSSIBILITY OF HAZARDOUS REACTIONS:**

Contact with oxidizers may cause fire.

**INCOMPATIBILITIES:**

May react with strong oxidizers.

**DECOMPOSITION PRODUCTS:**

oxides of carbon

## 11 Toxicological information

Oral LD50 RAT: >5000 mg/kg  
NOTE - Calculated value according to GHS additivity formula  
Dermal LD50 RABBIT: 4750 mg/kg  
NOTE - Calculated value according to GHS additivity formula

## 12 Ecological information

#### **AQUATIC TOXICOLOGY**

Daphnia magna 48 Hour Static Acute Bioassay  
LC50= 720; No Effect Level= 250 mg/L  
Rainbow Trout 96 Hour Static Acute Bioassay  
LC50= 353; No Effect Level= 250 mg/L

#### **BIODEGRADATION**

BOD-28 (mg/g): 285  
BOD-5 (mg/g): 138  
COD (mg/g): 1486  
TOC (mg/g): 500

## **13 Disposal considerations**

If this undiluted product is discarded as a waste, the US RCRA hazardous waste identification number is :  
Not applicable.

Please be advised; however, that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding the proper disposal of this material.

## **14 Transport information**

Transportation Hazard: Not Applicable  
DOT: Not Regulated

DOT EMERGENCY RESPONSE GUIDE #: Not applicable  
Note: Some containers may be DOT exempt, please check BOL for exact container classification  
IATA: Not Regulated

IMDG: Not Regulated

## **15 Regulatory information**

#### **TSCA:**

All components of this product are included on or are in compliance with the U.S. TSCA regulations.

#### **CERCLA AND/OR SARA REPORTABLE QUANTITY (RQ):**

Treat as oil spill

#### **FOOD AND DRUG ADMINISTRATION:**

21 CFR 176.210 (defoaming agents used in the manufacture of paper and paperboard)

When used in this specified application, all ingredients comprising this product are authorized by FDA for the manufacture of paper and paperboard that may contact aqueous and fatty foods as per 21 CFR 176.170(a)(4).

#### **NSF Registered and/or meets USDA (according to 1998 Guidelines):**

Registration number: Not Registered  
G7, L1

#### **SARA SECTION 312 HAZARD CLASS:**

Immediate(acute);Delayed(Chronic)

#### **SARA SECTION 302 CHEMICALS:**

No regulated constituent present at OSHA thresholds  
**SARA SECTION 313 CHEMICALS:**

No regulated constituent present at OSHA thresholds  
**CALIFORNIA REGULATORY INFORMATION**

**CALIFORNIA SAFE DRINKING WATER AND TOXIC  
ENFORCEMENT ACT (PROPOSITION 65):**

This product contains one or more ingredients at trace levels known to the state of California to cause cancer and reproductive toxicity.

**MICHIGAN REGULATORY INFORMATION**

No regulated constituent present at OSHA thresholds

## 16 Other information

HMIS vII		CODE TRANSLATION
Health	1	Slight Hazard
Fire	1	Slight Hazard
Reactivity	0	Minimal Hazard
Special	NONE	No special Hazard
(1) Protective Equipment	B	Goggles,Gloves

(1) refer to section 8 of MSDS for additional protective equipment recommendations.

### CHANGE LOG

	EFFECTIVE DATE	REVISIONS TO SECTION:	SUPERCEDES
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MSDS status:	22-JAN-1998		** NEW **
	30-APR-1998	;EDIT:9	22-JAN-1998
	09-MAR-2000	15	30-APR-1998
	20-SEP-2000	2,15	09-MAR-2000
	06-OCT-2000	3,4	20-SEP-2000
	03-APR-2007	3,8,15	06-OCT-2000
	10-DEC-2007	4,5,8,10	03-APR-2007
	02-JUL-2010	2,3,4,10,14	10-DEC-2007
	14-SEP-2010	12	02-JUL-2010
	26-SEP-2011	11	14-SEP-2010