



# Material Safety Data Sheet

Issue Date: 07-JUN-2011  
Supersedes: 16-MAY-2011

POLYFLOC CP1158

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## 1 Identification

**Identification of substance or preparation**  
POLYFLOC CP1158

**Product Application Area**  
Flocculant.

**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: 07-JUN-2011

## 2 Hazard(s) identification

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**EMERGENCY OVERVIEW**

**CAUTION**

May cause slight irritation to the skin. May cause moderate irritation to the eyes. Dusts may cause irritation to the upper respiratory tract.

DOT hazard: IMDG Marine Pollutant  
Odor: None; Appearance: White, Powder

Fire fighters should wear positive pressure self-contained breathing apparatus (full face-piece type). Proper fire-extinguishing media: dry chemical/CO2/foam or water--slippery condition; use sand/grit.

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**POTENTIAL HEALTH EFFECTS**

**ACUTE SKIN EFFECTS:**

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

**ACUTE EYE EFFECTS:**

May cause moderate irritation to the eyes.

**ACUTE RESPIRATORY EFFECTS:**

Dusts may cause irritation to the upper respiratory tract.

**INGESTION EFFECTS:**

May cause slight gastrointestinal irritation with possible nausea, vomiting, abdominal discomfort and diarrhea.

**TARGET ORGANS:**

No evidence of potential chronic effects.

**MEDICAL CONDITIONS AGGRAVATED:**

Not known.

**SYMPTOMS OF EXPOSURE:**

May cause redness or itching 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.

**HAZARDOUS INGREDIENTS:**

This product is not hazardous as defined by OSHA regulations.

No component is considered to be a carcinogen by the National Toxicology Program, the International Agency for Research on Cancer, or the Occupational Safety and Health Administration at OSHA thresholds for carcinogens.

## 4 First-aid measures

**SKIN CONTACT:**

Wash thoroughly with soap and water. Remove contaminated clothing. Thoroughly wash clothing before reuse. 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. Get medical attention if irritation persists.

**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:**

No special instructions

## 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/CO2/foam or water--slippery condition; use sand/grit.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

oxides of carbon and nitrogen, ammonia and volatile amines

**FLASH POINT:**

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

## 6 Accidental release measures

**PROTECTION AND SPILL CONTAINMENT:**

Ventilate area. Use specified protective equipment. Sweep up and remove. Minimize dust generation.

**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:**

This material may be combustible. As with all dry powders it is advisable to ground mechanical equipment in contact with dry material to dissipate the potential buildup of static electricity.

**STORAGE:**

Keep containers closed when not in use. Store in cool ventilated location. Store away from oxidizers.

## 8 Exposure controls / personal protection

**EXPOSURE LIMITS**

This product is not hazardous as defined by OSHA regulations.

**ENGINEERING CONTROLS:**

Adequate ventilation to maintain dust concentrations below the exposure limit of 10 mg/m<sup>3</sup> (PEL/TLV) for nuisance dusts.

**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 any of the following particulate respirators: N95, N99, N100, R95, R99, R100, P95, P99 or P100.

**SKIN PROTECTION:**

rubber, butyl, viton or neoprene gloves -- Wash off after

each use. Replace as necessary.

**EYE PROTECTION:**

airtight chemical goggles

## 9 Physical and chemical properties

|                            |         |                       |        |
|----------------------------|---------|-----------------------|--------|
| Density                    | NO DATA | Vapor Pressure (mmHG) | < 0.1  |
| Freeze Point (F)           | NA      | Vapor Density (air=1) | < 1.00 |
| Freeze Point (C)           | NA      |                       |        |
| Viscosity(cps 70F,21C)     | NA      | % Solubility (water)  | 1.0    |
| Odor                       |         | None                  |        |
| Appearance                 |         | White                 |        |
| Physical State             |         | Powder                |        |
| Flash Point                | P-M(CC) | > 200F > 93C          |        |
| pH 1% Sol. (approx.)       |         | 4.0                   |        |
| Evaporation Rate (Ether=1) |         | < 1.00                |        |
| Percent VOC:               |         | 0.0                   |        |

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 and nitrogen, ammonia and volatile amines

## 11 Toxicological information

Oral LD50 RAT: >2,000 mg/kg

Dermal LD50 RABBIT: >2,000 mg/kg

NOTE - Estimated value

## 12 Ecological information

**AQUATIC TOXICOLOGY**

Daphnia magna 48 Hour Static Renewal Bioassay

LC50= 4.3; No Effect Level= .15 mg/L

Rainbow Trout 96 Hour Static Renewal Bioassay

LC50= .1; No Effect Level= .06 mg/L

**BIODEGRADATION**

COD (mg/g): 800

TOC (mg/g): 490

## 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: IMDG Marine Pollutant  
DOT: Not Regulated

DOT EMERGENCY RESPONSE GUIDE #: Not applicable

Note: Some containers may be DOT exempt, please check BOL for exact container classification

IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (QUATERNARY AMMONIUM POLYACRYLAMIDE)

9, UN 3077, PG III, MARINE POLLUTANT

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (QUATERNARY AMMONIUM POLYACRYLAMIDE)

9, UN 3077, PG III, MARINE POLLUTANT

## 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):

No regulated constituent present at OSHA thresholds

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

Registration number: Not Registered

### SARA SECTION 312 HAZARD CLASS:

Product is non-hazardous under Section 311/312

### 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 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<br>DATE | REVISIONS TO SECTION: | SUPERCEDES  |
|--------------|-------------------|-----------------------|-------------|
|              | -----             | -----                 | -----       |
| MSDS status: | 16-JAN-2004       |                       | ** NEW **   |
|              | 31-MAR-2005       | 16                    | 16-JAN-2004 |
|              | 12-JAN-2007       | 5,8,10                | 31-MAR-2005 |
|              | 04-JAN-2010       | 4,6,10,14             | 12-JAN-2007 |
|              | 16-MAY-2011       | 14                    | 04-JAN-2010 |
|              | 07-JUN-2011       | 15                    | 16-MAY-2011 |