

# GeoFoam Component B



## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations.

Revision Date: 03/01/2019 Date of Issue: 07/23/2018 Supersedes SDS Date: 1st Issue 07/23/2018 Version 4.0

Revision Impetus: Text and logo format changes.

## SECTION 1: IDENTIFICATION

### Product Identifier

**Product Name:** GeoFoam Component B

**Synonyms:** One component of a two component reaction resin to form a urea-silicate grout.

### Intended Use of the Product

Urea-silicate grout

### Name, Address, and Telephone of the Responsible Party

#### USA:

Minova USA Inc.  
150 Summer Court  
Georgetown, KY 40324  
T 502-863-6800

For SDS Requests:

Call 1-855-266-7422 or email [sds.na@orica.com](mailto:sds.na@orica.com)

[www.minovaglobal.com](http://www.minovaglobal.com)

### Emergency Telephone Number

**Emergency number** : For chemical emergencies (24 hour) involving transportation, spill, leak, release, fire or accidents **IN THE U.S. or CANADA call: CHEMTREC 1-800-424-9300, Minova CCN 14730.**

#### Canada:

Minova  
576 Arvin Avenue  
Stoney Creek, ON - Canada L8E 5P1  
T 905-643-1166

## SECTION 2: HAZARDS IDENTIFICATION

### Classification of the Substance or Mixture

#### Classification (GHS-US)

Skin Irrit. 2 H315  
Skin. Sens. 1 H317  
Eye Irrit. 2A H319  
Resp. Sens. 1 H334  
STOT SE 3 H335  
STOT RE 2 H373

### Label Elements

#### GHS-US Labeling

#### Hazard Pictograms (GHS-US)



#### Signal Word (GHS-US)

: Warning

#### Hazard Statements (GHS-US)

: H315 – Causes skin irritation.  
H317 – May cause an allergic skin reaction.  
H319 – Causes serious eye irritation.  
H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335 – May cause respiratory irritation.  
H373 – May cause damage to organs through prolonged or repeated exposure.

#### Precautionary Statements (GHS-US)

: P261 – Avoid breathing mist/vapors/spray.  
P280 – Wear protective gloves/protective clothing/eye protection/face protection.  
P284 – In case of inadequate ventilation wear respiratory protection.  
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/soap/shower.  
P305+P351+P338 – If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P342+P311 – If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

# GeoFoam Component B

## Safety Data Sheet

P501 – Dispose of contents/container in accordance with local/regional/national/international regulations.

### Classification System :

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 1  
Fire = 1  
Reactivity = 0

**Other Hazards:** Results of PBT and vPvB assessment, PBT: Not applicable, vPvB: Not applicable.

**Other Hazards Not Contributing to the Classification:** None

**Unknown Acute Toxicity (GHS-US):** Not available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Mixture

Name	Product identifier	% (w/w)	Classification (GHS-US)
Diphenylmethanediisocyanate, isomers, and homologues	(CAS No) 9016-87-9	50-100%	Refer to Section 2. Classification of the Substance or Mixture.
Tris(2-chlorisopropyl)-phosphate	(CAS No) 13674-84-5	2.5 – 10%	Refer to Section 2.
Triethylphosphate	(CAS No) 78-40-0	2.5 – 10%	Refer to Section 2.

A range of concentration as prescribed by the Controlled Products Regulations has been used where necessary, due to varying composition. Full text of H-phrases: see section 16.

## SECTION 4: FIRST AID MEASURES

### Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Keep at rest and in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**Skin Contact:** Remove contaminated clothing. Rinse off affected area with water and soap. Obtain medical attention if irritation develops or persists.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a doctor/physician.

**Ingestion:** Rinse mouth. Do not induce vomiting. If spontaneous vomiting occurs, have victim lean forward with head positioned between legs to avoid breathing in of vomit, rinse mouth and have victim drink plenty of water. Immediately call a POISON CENTER or doctor/physician. Never give anything by mouth to an unconscious person.

### Most Important Symptoms and Effects Both Acute and Delayed

**General:** Irritation can be serious. May cause allergic skin reaction and allergic respiratory reaction with asthma like symptoms and difficulty breathing.

**Inhalation:** Causes irritation to the respiratory tract. May cause allergy like asthma symptoms or breathing difficulties if inhaled.

**Skin Contact:** Causes skin irritation. May cause an allergic skin reaction.

**Eye Contact:** Causes serious eye irritation.

**Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** Repeated and prolonged inhalation may damage lungs.

### Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention.

Information for doctor: Symptomatic treatment, no special antidote known. For pulmonary oedema prophylaxis: dexamethasone aerosol.

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

# GeoFoam Component B

## Safety Data Sheet

**Suitable Extinguishing Media:** Dry extinguishing agents, carbon dioxide, water sprays.

**Unsuitable Extinguishing Media:** None.

### **Special Hazards Arising From the Substance or Mixture**

**Fire Hazard:** Not a flammable liquid, but will burn if in fire.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** One component of a two component reaction resin to form a urea-silicate grout.

### **Advice for Firefighters**

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Firefighters should wear full protective gear.

**Hazardous Combustion Products:** Carbon monoxide, carbon dioxide, nitrogen oxide, hydrocyanic acid, diphenylmethane-4, 4'-diisocyanate.

### **Reference to Other Sections**

Refer to section 9 for flammability properties.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment and Emergency Procedures**

**General Measures:** Do not get in eyes or on skin. As in all spills, minimize material from entering water systems.

#### **For Non-Emergency Personnel**

**Protective Equipment:** Use appropriate Personal Protection Equipment (PPE).

**Emergency Procedures:** Evacuate danger area.

#### **For Emergency Personnel**

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** In the event of a spill or leak of material apply absorbant and scoop up material. As in all spills, minimize material from entering water systems.

### **Environmental Precautions**

Avoid release to the environment.

### **Methods and Material for Containment and Cleaning Up**

**For Containment:** Absorb with liquid-binding material such as sand, diatomite, sawdust, universal absorbants.

**Methods for Cleaning Up:** Clear up spills immediately and dispose of waste safely.

### **Reference to Other Sections**

See heading 8, Exposure Controls and Personal Protection.

## **SECTION 7: HANDLING AND STORAGE**

### **Precautions for Safe Handling**

**Additional Hazards When Processed:** Good housekeeping is needed during storage, transfer, handling, and use of this material. Never add material to this product unless instructed by Minova.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Always wash your hands immediately after handling this product, and once again before leaving the workplace.

### **Conditions for Safe Storage, Including Any Incompatibilities**

**Storage Conditions:** Store in a dry, cool place.

**Incompatible Materials:** Material is alkaline so avoid acids.

### **Specific End Use(s)**

Urea-silicate grout.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Control Parameters**

#### **Exposure Controls**

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Gloves. Protective clothing. Safety glasses. Insufficient ventilation: wear respiratory protection.



# GeoFoam Component B

## Safety Data Sheet

**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear chemically resistant protective gloves (nitrile rubber, NGR or fluorocarbon rubber, Viton).

**Eye Protection:** Safety glasses or chemical goggles as appropriate to prevent eye contact.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** Use a NIOSH-approved respirator "dust mask" in dusty conditions or whenever exposure may exceed established Occupational Exposure Limits.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Clear brown liquid
Odor	: Musty
Odor Threshold	: Not applicable
pH	: Not applicable
Relative Evaporation Rate (butyl acetate=1)	: Not applicable
Melting Point	: Not applicable
Freezing Point	: Not applicable
Boiling Point	: Not applicable
Flash Point	: >170°C (>338°F)
Auto-ignition Temperature	: Not applicable
Decomposition Temperature	: Not applicable
Flammability (solid, gas)	: Not applicable
Lower Flammable Limit	: Not applicable
Upper Flammable Limit	: Not applicable
Vapor Pressure	: Not applicable
Relative Vapor Density at 20 °C	: Not applicable
Relative Density	: 1.2 g/cm <sup>3</sup> (10.0 lbs/gal)
Specific Gravity	: Not applicable
Solubility	: Not miscible
Partition coefficient: n-octanol/water	: Not applicable
Viscosity	: 140 mPas at 20°C (68°F)
Explosion Data – Sensitivity to Mechanical Impact	: Not applicable
Explosion Data – Sensitivity to Static Discharge	: Not applicable

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** One component of a two component reaction resin GeoFoam Component B to form a urea-silicate grout.

**Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).

**Possibility of Hazardous Reactions:** Hazardous reactions will not occur.

**Conditions to Avoid:** Use of product in extremely high or low temperatures will affect set times.

**Incompatible Materials:** Water leaking into unclosed containers or unbanded drums can react with the material and react to form a polyurea and release carbon dioxide that can build-up pressure and rupture the container or drum if closed.

**Hazardous Decomposition Products:** None.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects - Product

**Acute Toxicity:** Not toxic based on mixture ingredients

**LD50 and LC50 Data:** Oral >15,000 mg/kg (rat), Dermal >5000 mg/kg (rabbit), Inhalation 4 hr 490 mg/l (rat).

**Skin Corrosion/Irritation:** Causes skin irritation.

**Serious Eye Damage/Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitization:** May cause asthma like symptoms or breathing difficulties if inhaled. Sensitization possible through inhalation and through skin contact.

**Germ Cell Mutagenicity:** Not classified

**Teratogenicity:** No based on mixture ingredients

**Carcinogenicity:** No based on mixture ingredients

# GeoFoam Component B

## Safety Data Sheet

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified  
**Reproductive Toxicity:** No based on mixture ingredients  
**Specific Target Organ Toxicity (Single Exposure):** Not classified  
**Aspiration Hazard:** Not classified  
**Symptoms/Injuries After Inhalation:** Irritation to the respiratory tract.  
**Symptoms/Injuries After Skin Contact:** Causes skin irritation.  
**Symptoms/Injuries After Eye Contact:** Causes serious eye irritation. May lead to eye damage if not treated.  
**Symptoms/Injuries After Ingestion:** Ingestion is likely to be harmful or have adverse effects.  
**Chronic Symptoms:** Repeated and prolonged inhalation may damage lungs.

### Information on Toxicological Effects - Ingredient(s)

**LD50 and LC50 Data:** Not available

## SECTION 12: ECOLOGICAL INFORMATION

**Toxicity** Not available

**Persistence and Degradability** Not available

**Bioaccumulative Potential** Not available

**Mobility in Soil** Not available

### Other Adverse Effects

**Other Information:** Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Recommendations:** If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of material in accordance with all applicable federal, state/provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

## SECTION 14: TRANSPORT INFORMATION

**14.1 In Accordance with DOT** Not regulated for transport

**14.2 In Accordance with IMDG** Not regulated for transport

**14.3 In Accordance with IATA** Not regulated for transport

**14.4 In Accordance with TDG** Not regulated for transport

### National Motor Freight Classification

**NMFC Name:** Chemicals, NOI **NMFC Number:** 43940 Sub 2 Class: 85

**Tariff Classification Number:** 3909.50.1000

## SECTION 15: REGULATORY INFORMATION

### US Federal Regulations

**GeoFoam Component B, one component of a two component reaction resin to form a urea-silicate grout.**

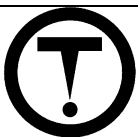
<b>SARA Section 311/312 Hazard Classes</b>	Immediate (acute) health hazard
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**US State Regulations** Not available

### Canadian Regulations

**GeoFoam Component B**

<b>WHMIS Classification</b>	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects
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**Diphenylmethanediisocyanate, isomers and homologues CAS 9016-87-9, Tris (2-chlorisopropyl)-phosphate CAS 13674-84-5, Triethyl Phosphate CAS 78-40-0**

Listed on the Canadian DSL (Domestic Substances List) inventory.

# GeoFoam Component B

Safety Data Sheet

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Revision date** : 03/01/2019  
**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and the Hazardous Products Regulations (WHMIS 2015).

**GHS Full Text Phrases:** Based on individual ingredients. Refer to Section 2: Hazardous Identification for the Substance or Mixture.

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure.

### Party Responsible for the Preparation of This Document

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Phone Number: 1-502-863-6800

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