

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
 Product name : Profresh Plus 50lbs  
 Product code : 102616

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Food/feedstuff additives

#### 1.3. Supplier

Volac Inc  
 2329 Old Buena Vista Road  
 Buena Vista, Virginia, 24416  
 United States  
 T +1 540-261-2468 - F +1 540-261-1476  
[www.volac.com](http://www.volac.com)

#### 1.4. Emergency telephone number

Emergency number : +1 540 261 2468 (08:00 - 17:00 EST)

### SECTION 2: Hazard(s) identification


#### 2.1. Classification of the substance or mixture

##### GHS US classification

Skin corrosion/irritation, Category 1	Causes severe skin burns and eye damage.
Serious eye damage/eye irritation, Category 1	Causes serious eye damage.
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	May cause respiratory irritation.

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labelling

Hazard pictograms (GHS US) : 

Signal word (GHS US) : Danger

Hazard statements (GHS US) : Causes severe skin burns and eye damage.  
 Causes serious eye damage.  
 May cause respiratory irritation.

Precautionary statements (GHS US) : Do not breathe dust.  
 Avoid breathing dust.  
 Wash hands thoroughly after handling.  
 Use only outdoors or in a well-ventilated area.  
 Wear protective clothing, eye protection, face protection, protective clothing.  
 If swallowed: rinse mouth. Do NOT induce vomiting.  
 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 If inhaled: Remove person to fresh air and keep comfortable for breathing.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 Immediately call a POISON CENTER, a doctor.

# Profresh Plus 50lbs

## Safety Data Sheet

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

Call a doctor, a POISON CENTER if you feel unwell.  
Specific treatment (see supplemental first aid instruction on this label).  
Wash contaminated clothing before reuse.  
Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.  
Dispose of contents/container to hazardous or special waste collection point, in accordance with local regulation..

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Common Name (Synonyms)	Product identifier	%	GHS US classification
Propionic Acid		CAS-No.: 79-09-4	25 – 60	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:vapour), H332
Calcium bentonite bulk		CAS-No.: 8031-18-3	25 – 60	STOT SE 3, H335

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general	: If medical advice is needed, have product container or label at hand. Never give anything by mouth to an unconscious person. Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact	: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Call a physician immediately.

### 4.2. Most important symptoms and effects (acute and delayed)

Potential adverse human health effects and symptoms	: Irritation: may cause irritation to the respiratory system. Irritation: severely irritant to eyes.
Symptoms/effects	: Causes eye irritation. May cause respiratory irritation.
Symptoms/effects after inhalation	: May cause respiratory irritation.

# Profresh Plus 50lbs

## Safety Data Sheet

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

Symptoms/effects after skin contact	: Causes severe burns. Burns.
Symptoms/effects after eye contact	: Causes serious eye burns. Causes serious eye damage. Serious damage to eyes.
Symptoms/effects after ingestion	: Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Burns.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

Fire hazard	: May form combustible dust concentrations in air.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Do not enter fire area without proper protective equipment, including respiratory protection. Evacuate area. Eliminate all ignition sources if safe to do so.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Use self-contained breathing apparatus and chemically protective clothing. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid contact with skin and eyes. Notify authorities if product enters sewers or public waters. Use non-sparking tools. Work in a well-ventilated area.
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#### 6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Do not breathe dust. Avoid contact with skin and eyes. Evacuate unnecessary personnel. Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray.

#### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Evacuate unnecessary personnel. Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment	: Collect spillage.
Methods for cleaning up	: Mechanically recover the product. This material and its container must be disposed of in a safe way, and as per local legislation. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

# Profresh Plus 50lbs

## Safety Data Sheet

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

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Provide adequate ventilation to minimize dust and/or vapour concentrations. Do not breathe vapours. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapours/spray.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ensure adequate ventilation, especially in confined areas. Store in tightly closed, leak-proof containers.
- Storage conditions : Store in a dry place. Store in a closed container. Keep only in original container. Keep cool. Store in a well-ventilated place. Store locked up. Keep container tightly closed.
- Storage area : Store in a well-ventilated place. Store away from heat.
- Special rules on packaging : Keep only in original container. Store in a closed container.
- Packaging materials : Keep only in the original container in a cool, well-ventilated place away from combustible materials.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

<b>Profresh Plus 50lbs</b>	
No additional information available	
<b>Calcium bentonite bulk (8031-18-3)</b>	
<b>USA - OSHA - Occupational Exposure Limits</b>	
OSHA PEL TWA [1]	5 mg/m <sup>3</sup> (respirable dust)
<b>Propionic Acid (79-09-4)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Propionic acid
ACGIH OEL TWA [ppm]	10 ppm
Remark (ACGIH)	TLV® Basis: Eye, skin, & URT irr
Regulatory reference	ACGIH 2019

#### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure that there is a suitable ventilation system. Do not handle in a confined space. Keep in a cool place. Ensure good ventilation of the work station.
- Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

##### Personal protective equipment:

Wear recommended personal protective equipment.

##### Hand protection:

Protective gloves

# Profresh Plus 50lbs

## Safety Data Sheet

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

### Eye protection:

Chemical goggles or safety glasses. Safety glasses

### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

Wear respiratory protection.

### Personal protective equipment symbol(s):



### Other information:

Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: dark brown
Odour	: Pungent Vinegar
Odour threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosive limits	: Not applicable
Explosive properties	: No data available
Oxidising properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

# Profresh Plus 50lbs

## Safety Data Sheet

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

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid creating or spreading dust.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### Propionic Acid (79-09-4)

LD50 oral rat	3455 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	20 mg/l/4h
ATE US (oral)	3455 mg/kg bodyweight
ATE US (vapours)	20 mg/l/4h
ATE US (dust,mist)	20 mg/l/4h

Skin corrosion/irritation : Causes severe skin burns.

#### Propionic Acid (79-09-4)

pH	2.5
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Serious eye damage/irritation : Causes serious eye damage.

#### Propionic Acid (79-09-4)

pH	2.5
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Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : May cause respiratory irritation.

#### Calcium bentonite bulk (8031-18-3)

STOT-single exposure	May cause respiratory irritation.
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STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified  
Viscosity, kinematic : Not applicable

# Profresh Plus 50lbs

## Safety Data Sheet

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

Calcium bentonite bulk (8031-18-3)	
Viscosity, kinematic	Not applicable
Likely routes of exposure	: Inhalation. Skin and eyes contact.
Potential adverse human health effects and symptoms	: Irritation: may cause irritation to the respiratory system. Irritation: severely irritant to eyes.
Symptoms/effects	: Causes eye irritation. May cause respiratory irritation.
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Causes severe burns. Burns.
Symptoms/effects after eye contact	: Causes serious eye burns. Causes serious eye damage. Serious damage to eyes.
Symptoms/effects after ingestion	: Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Burns.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

Propionic Acid (79-09-4)	
LC50 - Fish [1]	> 1000 mg/l
EC50 - Other aquatic organisms [1]	> 500 mg/l
ErC50 algae	> 500 mg/l

### 12.2. Persistence and degradability

Profresh Plus 50lbs	
Persistence and degradability	Not established.

Calcium bentonite bulk (8031-18-3)	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

Calcium bentonite bulk (8031-18-3)	
Bioaccumulative potential	Not established.

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of waste product or used containers according to local regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: an approved waste disposal plant.
Additional information	: Do not re-use empty containers.
Ecology - waste materials	: Avoid release to the environment.

# Profresh Plus 50lbs

## Safety Data Sheet

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

### SECTION 14: Transport information

In accordance with DOT / TDG

#### 14.1. UN number

DOT NA No : Not regulated  
UN-No. (TDG) : Not applicable

#### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not regulated  
Proper Shipping Name (TDG) : Not applicable

#### 14.3. Transport hazard class(es)

**DOT**  
Transport hazard class(es) (DOT) : Not regulated

**TDG**  
Transport hazard class(es) (TDG) : Not applicable

#### 14.4. Packing group

Packing group (DOT) : Not regulated  
Packing group (TDG) : Not applicable

#### 14.5. Environmental hazards

Other information : No supplementary information available.

#### 14.6. Special precautions for user

**DOT**  
Not regulated

**TDG**  
Not applicable

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Calcium bentonite bulk	8031-18-3	Present	Active	
Propionic Acid	79-09-4	Present	Active	

#### Propionic Acid (79-09-4)

Not subject to reporting requirements of the United States SARA Section 313

CERCLA RQ : 5000 lb



# Profresh Plus 50lbs

## Safety Data Sheet

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

### 15.2. International regulations

#### CANADA

##### Calcium bentonite bulk (8031-18-3)

Listed on the Canadian DSL (Domestic Substances List)

##### Propionic Acid (79-09-4)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

### 15.3. US State regulations

No additional information available

## SECTION 16: Other information

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

Revision date : 10/31/2023

Indication of changes:			
Transport information.			
Section	Changed item	Change	Comments
14	GHS-US classification	Added	No additional information available

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.