

# MSDS Material Safety Data Sheet

**PROFILE Products, LLC**



## Sodium-pHix™ Hydro

MSDS Number: LIM046

Revision Date: 11/10/09

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### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

PROFILE Products, LLC  
750 LAKE COOK ROAD  
SUITE 440  
BUFFALO GROVE, IL 60089

#### Contact:

**Telephone Number:** (847) 215-1144  
**FAX Number:** (847) 215-0577  
**E-Mail:** profileproducts.com  
**Web:** www.profileproducts.com

**Product Name:** Sodium-pHix™ Hydro  
**Revision Date:** 11/10/09  
**MSDS Number:** LIM046  
**CAS Number:** Not applicable  
**Product Use:** Soil Modifier

### 2 HAZARDS IDENTIFICATION

**Route of Entry:** Inhalation  
**Target Organs:** Lungs, eyes  
**Inhalation:**  
**Skin Contact:**  
**Eye Contact:**  
**Ingestion:**

NFPA-ratings (scale 0-4): Health = 0, Fire = 0, Reactivity = 0

\*Respirable dust/total dust. PEL and TLV limits are based on an 8 hour TWA.

Note: Ground calcium sulfate dehydrate, calcium sulfate and calcium carbonate are classified as nuisance dusts. OSHA believes that nuisance dust may cause safety problems among exposed workers because it can be a source of distraction and physical irritation which can cause accidents or safety mishaps in the workplace.

#### Carcinogenicity:

Material- Crystalline silica  
IARC- Carcinogen (Group 1)  
NTP- Anticipated Carcinogen

In 1997, IARC classified inhaled crystalline silica as a carcinogenic to humans categorizing it as a Group 1 agent. In this evaluation, IARC noted that carcinogenicity was not detected in all industrial circumstances studied, and may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs. In 1992, NTP listed respirable crystalline silica among the substances "reasonably anticipated to be carcinogens."

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

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### Ingredients:

| Cas #    | Perc. | Chemical Name                    |
|----------|-------|----------------------------------|
| 14808607 | <1%   | Silica, crystalline              |
| 471341   | <5%   | Carbonic acid calcium salt (1:1) |
| 7778189  | <10%  | Calcium sulfate                  |
| 13397245 | >90%  | Gypsum                           |

## 4 FIRST AID MEASURES

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | If person breathes in large amounts, move the exposed person to fresh air. Get medical attention if irritation persists.  |
| <b>Skin Contact:</b> | Wash with soap and water. If irritation occurs, contact physician.  |
| <b>Eye Contact:</b>  | Remove contact lenses, including and immediately flush with water for at least 15 minutes, including under eyelids. Seek medical advice if irritation persists. |
| <b>Ingestion:</b>    | If swallowed and the person is conscious, immediately give large amounts of water. Get medical attention.   |

## 5 FIRE FIGHTING MEASURES

|                                     |                 |
|-------------------------------------|-----------------|
| <b>Flash Point:</b>                 | Not applicable  |
| <b>Flash Point Method:</b>          | Not applicable  |
| <b>Flammability Classification:</b> | Not Combustible |

## 6 ACCIDENTAL RELEASE MEASURES

Steps to be taken in the event of a spill or discharge:  
Remove by dry-sweeping or vacuum. Do not wash down drains since it could plug drains.

## 7 HANDLING AND STORAGE

|                              |  |
|------------------------------|--|
| <b>Handling Precautions:</b> | Wear appropriate protective equipment during handling.   |
| <b>Storage Requirements:</b> | Store in a dry area to minimize potential for clumping due to moisture absorption. Dew point conditions or other conditions causing presence of moisture will harden during storage. |



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### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:**

**Protective Equipment:**

**Exposure Guidelines/Other:**

Ventilation: Use adequate general or local exhaust ventilation conditions exist. A levels as low as possible

Respiratory Protection: None required where adequate ventilation conditions exist. A dust mask can be used for nuisance dust. If airborne concentrations of any hazardous ingredients exceed the TLV or PEL, use a NIOSH approved respirator.

Eye Protection: Safety glasses or goggles, as needed.

Skin Protection: Gloves are not required, but may be desirable under certain working conditions or to protect against drying of hands.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White to off-white powder

**Physical State:**

**Odor:** None

**pH:**

**Vapor Pressure:**

**Vapor Density:**

**Boiling Point:**

**Freezing/Melting Pt.:**

**Solubility:** Slight

**Spec Grav./Density:** 2.32 to 2.41

### 10 STABILITY AND REACTIVITY

**Stability:** Stable product

**Conditions to avoid:** None

**Materials to avoid (incompatibility):** Aluminum, Strong Acids

**Hazardous Decomposition products:** Oxides of Sulfur

**Hazardous Polymerization:** Will not occur.

### 11 TOXICOLOGICAL INFORMATION

### 12 ECOLOGICAL INFORMATION

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### **13** DISPOSAL CONSIDERATIONS

For disposal of this material as a waste, act in accordance with all applicable federal, state and local environmental regulations.

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### **14** TRANSPORT INFORMATION

DOT Class: Not regulated #

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### 15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

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\*Silica, crystalline (14808607 <1%) MASS, NRC, OSHAWAC, PA, TSCA, TXAIR

\*Carbonic acid calcium salt (1:1) (471341 <5%) TSCA

\*Calcium sulfate (7778189 <10%) MASS, OSHAWAC, PA, TSCA, TXAIR

\*Gypsum (13397245 >90%) OSHAWAC, PA, TXAIR

#### REGULATORY KEY DESCRIPTIONS

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MASS = MA Massachusetts Hazardous Substances List

NRC = Nationally Recognized Carcinogens

OSHA = OSHA workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

TXAIR = TX Air Contaminants with Health Effects Screening Level

CERCLA = Superfund clean up substance

CSWS = Clean water Act Hazardous substances

EHS302 = Extremely Hazardous Substance

EPCRAWPC = EPCRA Water Priority Chemicals

HAP = Hazardous Air Pollutants

NJEHS = NJ Extraordinarily Hazardous Substances

NJHS = NJ Right-to-Know Hazardous Substances

OSHAPSM = OSHA Chemicals Requiring process safety management

SARA313 = SARA 313 Title III Toxic Chemicals

TSCA = Toxic Substances Control Act

### 16 OTHER INFORMATION

END OF MSDS DOCUMENT