

## ***Mite-Y-Phite 0-7-17***

**Section 1 -- IDENTIFICATION**

**1.1. Product Identifier**

**Product name:** SITKO 0-7-17  
**Synonym:** Liquid combination of Silicate and Phosphite

**1.2. Recommended Use / Restrictions**

**Identified Uses:** For agriculture, turf, ornamentals, trees, crops & hydroponics  
**Restrictions:** N/A

**1.3. Supplier Details**

**Company:** Growth Products, Ltd.  
 80 Lafayette Avenue  
 White Plains, NY 10603-1603 USA  
 +011 914-428-1316 (9 am - 5 pm EST Mon - Fri)  
 questions@growthproducts.com

**1.4. Emergency Telephone Number**

**Emergency Telephone:** 800-222-1222 (American Association of Poison Control Centers)

**Section 2 -- HAZARD(S) IDENTIFICATION**

**2.1. Classification of substance or mixture**

**Physical Hazards:** N/A  
**Health Hazards (Potential Effects):** Acute Tox., Oral, 4 - H302  
 Skin Corrosion/Irritation 2 - H315  
 Eye Damage/Irritation 2A - H319  
**Target Organs:** Eyes, Skin, Respiratory System & Lungs, Oral  
**Environmental Hazards:** Not Classified

**2.2. Label Elements**

**Pictogram:**



**Signal Word:** WARNING!  
**Hazard Statements:** H302 Harmful if swallowed  
 H315 Causes skin irritation  
 H335 May cause respiratory irritation  
**Precautionary Statements:** P264 Wash hands/face/exposed skin thoroughly after handling  
 P270 Do not eat drink or smoke when using this product  
 P280 Wear protective gloves/eye and face protection  
 P301+P312+P330 IF SWALLOWED: Call a poison center /doctor if you feel unwell. Rinse mouth.  
 P302+P352 IF ON SKIN: Wash with plenty of water  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P312 Call a poison center / doctor if you feel unwell

**Precautionary Statements Continued:**

P332+P313 If skin irritation or rash occurs: Get medical advice/attention  
 P337+P313 If eye irritation persists: Get medical advice/attention  
 P403+P233+P405 Store in well-ventilated place. Keep container tightly closed. Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

**2.3. Other Hazards**

This product does not contain any substance classified as PBT or vPvB

**NFPA Ratings**

<b>Health:</b>	<b>1</b>	Slightly hazardous
<b>Flammability:</b>	<b>0</b>	Will not burn
<b>Reactivity:</b>	<b>0</b>	Stable
<b>Specific Hazard:</b>	<b>N/A</b>	Not applicable

**HMIS Ratings**

<b>Health:</b>	<b>1</b>	Minimal hazard
<b>Flammability:</b>	<b>0</b>	Minimal hazard
<b>Reactivity:</b>	<b>0</b>	Minimal hazard
<b>Personal (PPE):</b>	<b>C</b>	Goggles, Gloves, Protective Apron



<b>Health</b>	minor	<b>1</b>
<b>Flammability</b>	minimal	<b>0</b>
<b>Physical Hazard</b>	minimal	<b>0</b>
<b>Personal Protection</b>		<b>C</b>

**Section 3 -- COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

Chemical Name	CAS Registry No.	REACH No.	ENECS No.	Classification
Potassium Silicate:	1312-76-1	-	-	GHS Skin Irrit. 2 - H315 Eye Irrit. 2 - H319
Monopotassium phosphite:	13977-65-6	-	-	N/A
Dipotassium phosphite:	13492-26-7	-	-	N/A
Potassium hydroxide:	1310-58-3	-	-	N/A

**Section 4 -- FIRST-AID MEASURES**

**4.1. Description of first-aid measures**

**Inhalation:** Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if symptoms are severe or persist.

**Ingestion:** Never give anything by mouth to an unconscious person. Do not induce vomiting, unless instructed by a healthcare professional. Rinse mouth thoroughly with water. Get medical attention if any symptoms develop.

**Skin Contact:** Remove affected person from source of contamination. Take off immediately all contaminated clothing and wash it before reuse. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

**4.2. Most important symptoms and effect, both acute and delayed**

**Inhalation:** May cause respiratory irritation. There may be irritation of the throat with a feeling of tightness in the chest.

**Ingestion:** Ingestion may cause nausea, vomiting and stomach and digestive irritation. There may be soreness and redness of the mouth and throat.

**Skin Contact:** Skin contact may cause redness and irritation. Prolonged or repeated skin contact can result in the development of allergy-like skin reactions (e.g., dermatitis, rashes)

**Eye Contact:** There may be irritation and redness. Profuse watering of the eyes.

**4.3. Indication of any immediate medical attention and special treatment needed**



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**Notes for doctor:** No specific recommendations. If in doubt, get medical attention promptly. Treatment may vary with the condition of victim and specifics of incident.

**Specific treatments:** Eye bathing equipment should be available on the premises.

### Section 5 -- FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

**Suitable extinguishing media:** The product is not flammable. Use fire-extinguishing media suitable for the surrounding environment. The substance itself does not burn.

**Unsuitable extinguishing media:** N/A

**Environmental Hazards:**

#### 5.2. Special hazards arising from the substance or mixture

**Hazardous combustion products:** N/A

#### 5.3. Advice for firefighters

**Protective actions during firefighting:** No specific firefighting precautions known. Irritant, non-flammable, water soluble. Do not inhale gases created by fire. Do not allow run-off from firefighting to enter drains or watercourses.

**Special protective equipment for firefighters:** Wear positive-pressure self-contained breathing apparatus (SCBA) eye protection and appropriate protective clothing.

### Section 6 -- ACCIDENTAL RELEASE MEASURES

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

**Personal precautions:** Wear protective clothing as described in Section 8 of this safety data sheet.

#### 6.2. Environmental precautions

**Environmental precautions:** Avoid the spillage or runoff entering drains, sewers or watercourses.

#### 6.3. Methods and material for containment and cleanup

**Methods for cleaning up:** Stop leak if possible without risk. Contain and absorb spillage with sand, earth or other noncombustible material. Transfer to a container for disposal. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

#### 6.4. Reference to other sections

**Reference to other sections:** For personal protection, see Section 8. For waste disposal, see Section 13.

### Section 7 -- HANDLING AND STORAGE

#### 7.1. Precautions for Safe Handling

**Using precautions:** Provide adequate ventilation. Avoid spilling. Avoid contact with skin and eyes. Wash hands thoroughly after handling.

**Advice on general occupational hygiene:** Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas.

#### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Storage precautions:** Store in tightly closed original container in a dry, cool and well-ventilated place. Store at temperatures above 5°C. Keep away from heat and direct sunlight. Keep away from food, drink and animal feeding stuffs.

#### 7.3. Specific end use(s)

**Specific end use(s):** The identified uses for this product are detailed in Section 1.2.

### Section 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1. Control Parameters

##### Occupational exposure limits

Material	Type	Value	Source
Monopotassium phosphite (CAS 13977-65-6):	N/A	N/A	N/A

Dipotassium phosphite (CAS 13492-26-7):	N/A	N/A	N/A
Potassium Hydroxide (CAS 1310-58-3):	ACGIH TLV	2 mg/m3 (ceiling)	ACGIH

**8.2. Exposure controls**
**Protective equipment**

**General information:** Protective engineering solutions should be implemented, in use, before personal protective equipment is considered.

**Appropriate engineering controls:** Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation.

**Eye / face protection:** Use chemical splash-type goggles. Face shield.

**Hand protection:** For hand protection, wear approved gloves made of nitrile, PVC, or neoprene. Thoroughly rinse the outside of gloves with water prior to removal. Inspect regularly for leaks.

**Other skin and body protection:** For body protection wear suitable protective clothing.

**Hygiene measures:** Avoid breathing vapors, mist or gas. Clean water should be available for washing in case of eye or skin contamination.

**Respiratory protection:** If concentrations in excess of 10 ppm are expected, use NIOSH/DHHS approved self-contained breathing apparatus (SCBA) or other approved air-supplied respirator (ASR) equipment (full-face airline respirator (ALR)).

**Environmental exposure controls:** Eye bathing equipment should be available on the premises. Provide quick-drench showers and washing facilities accessible to areas of use and handling. Have supplies and equipment for neutralization and running water available.

**Equipment:**

**HMIS Letter:**

**C**


**Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES**
**9.1. Information on basic physical and chemical properties**

<b>Physical State:</b>	Liquid	<b>Evaporation Rate:</b>	Same as water
<b>Color:</b>	Clear, no color	<b>Boiling Point:</b>	About 212°F / 100°C
<b>Odor:</b>	Slightly acidic odor	<b>Freezing Point:</b>	-15°F / -26°C
<b>Weight per Gallon / Liter:</b>	12.5# @ 70°F / 1.48 Kg @ 21°C	<b>Viscosity:</b>	5-15 cps @ 21 Degrees C
<b>Storage Life at 70F:</b>	>2 years	<b>Flash Point/Method:</b>	Noncombustible
<b>pH – 21C:</b>	6.5	<b>Vapor Pressure:</b>	N/A
<b>Solubility:</b>	Completely miscible	<b>Storage Temperature:</b>	Above 32°F / 0°C

**Section 10 -- STABILITY AND REACTIVITY**

<b>10.1. Reactivity</b>	Stable
<b>10.2. Chemical Stability</b>	Stable under normal recommended storage conditions.
<b>10.3. Possibility of Hazardous Reactions</b>	N/E
<b>10.4. Conditions to Avoid</b>	Exposure to extreme temperatures and incompatible materials
<b>10.5. Incompatible Materials</b>	N/E
<b>10.6. Hazardous Decomposition Products</b>	N/E

**Section 11 -- TOXICOLOGICAL INFORMATION**
**11.1. Information on Toxicological Effects**

**Toxicological effects:** N/E. No data available.

**Over Exposure, Acute:** Liquid contact may cause slight eye irritation and repeated skin exposure may cause skin irritation.

**Over Exposure, Chronic:** N/E



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**Routes of Exposure:** Not expected to be harmful under normal conditions of use, however if allowed to become airborne, may cause irritation of nose throat and lungs. May cause irritation from prolonged or repeated contact.

**Acute, Dermal LD<sub>50</sub>:** N/E

**Acute, Oral LD<sub>50</sub>:** N/E

**Effects to eyes:** No corneal or iridal effects were noted at dose of 0.1 ml, rabbits.

**Effects to Ingestion:** Non-toxic and non-pathogenic

**Effects to skin:** Moderate irritation, reversible within 7 days

**11.2 Toxicological information on main components of the mixture:**

**Carcinogenicity Assessment:** N/A

**Mutagenicity Assessment:** N/A

**ACGIH:** None

**NTP:** None

**IARC:** None

**OSHA:** None

**Section 12 -- ECOLOGICAL INFORMATION**

**Ecotoxicity:**

**12.1. Toxicity** N/A

**12.2. Persistence and degradability** N/E

**12.3. Bioaccumulative potential** Expected to desorb fairly rapidly from soil and not bioaccumulate.

**12.4. Mobility in Soil** This product is biodegradable in soil by microbial activity

**12.5. Results of PBT and vPvB Assessment** Not listed in EIS PBT List.

**12.6. Other Adverse Effects** N/E

**Section 13 -- DISPOSAL CONSIDERATIONS**

**13.1. Waste Treatment Methods**

**Disposal methods:** Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product, residue and/or container. Product as shipped Section 13.

**Section 14 -- TRANSPORTATION INFORMATION**

**General** Product is a non-regulated material; not flammable, not corrosive, not explosive and not radioactive. In accordance with DOT / TDG / ADR / RID / ADNR / IMDG / ICAO / IATA

Regulatory Information	14.1 UN Number	14.2 Proper Shipping Name	14.3 Class(es)	14.1 Packing Group	14.5 Environmental Hazard	14.6 Special Precautions For User	Additional Information
ADR / RID Class	Not regulated for transportation	Not regulated	Not regulated	Not regulated	Not classified as marine pollutant	N/A	N/A
ADNR Class	Not regulated for transportation	Not regulated	Not regulated	Not regulated	Not classified as marine pollutant	N/A	N/A
IMDG Class	Not regulated for transportation	Not regulated	Not regulated	Not regulated	Not classified as marine pollutant	N/A	N/A
IATA class	Not regulated for transportation	Not regulated	Not regulated	Not regulated	Not classified as marine pollutant	N/A	N/A

**14.7. Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code:** N/A

**Section 15 -- REGULATORY INFORMATION**

**15.1. Safety, health and Environmental Regulations / Legislation Specific for the Substance or Mixture**



**EU legislation:** This product is labeled in accordance EU directives. The Dangerous Substance Directive (Directive (67/548/EEC, "DSD"), The Dangerous Preparations Directive (Directive 1999/45/EC, "DPD") and the new regulations classification, labeling and packaging of substances and mixtures, Regulation (EC) No 1272/2008 of the European Parliament and the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Commission Regulation (EU) No 453/2010 of May 2010.

**15.2. Chemical Safety Assessment:** See Section 2.3 for NFPA & HMIS Ratings

**Section 16 - OTHER INFORMATION**

**REVISED DATE: 24 April 2017**

**Other Precautions:**

**Read entire label before using**

**Abbreviations / Acronyms:**

N/E	Not Established	N/A	Not applicable
ACGIH	American Conference of Governmental Industrial Hygienists		
TLV	Threshold Limit Values		
PEL	Permissible Exposure Limit		
REL	Recommended Exposure Limit		
OSHA	Occupational Safety and Health Administration		
NIOSH	National Institute for Occupational Safety and Health		
TWA	Time Weighted Average over 8 hours of work		
TLV	Threshold Limit Value over 8 hours of work		
REL	Recommended Exposure Limit		
PEL	Permissible Exposure Limit		
STEL	Short Term Exposure Limit during x minutes		
IDLH	Immediately Dangerous to Life or Health		
TSCA	Toxic substance Control Act (United States)		
EINECS	European Inventory of Existing Commercial Chemical Substances (Europe)		
ELINCS	European List of Notified Chemical Substances (Europe)		
ENCS	Existing Chemical Substances		
IECSC	Inventory of Existing Chemical Substances		
HMIS	Hazardous Material Identification System (American Coatings Association)		
NFPA	National Fire Protection Association		
PBT	Persistent Bioaccumulative and Toxic		
vPvB	Very Persistent and very Bioaccumulative		
STOT SE	Specific Target Organ Toxicity; Single Exposure		
STOT RE	Specific Target Organ Toxicity; Repeated Exposure		
GER-MAK	Germany Maximum Workplace Concentration		
DOT	Department of Transportation		
TDG	Transportation of Dangerous Goods (Canada)		
ADR	European Agreement Concerning the International Carriage of Dangerous Goods by Road		
RID	Regulations Concerning the International Carriage of Dangerous Goods by Rail (EU)		
ADNR	Regulation for the Carriage of Dangerous Substances on Waterways (EU)		
IMDG	International Maritime Dangerous Goods		
ICAO	International Civil Aviation Organization		
IATA	International Air Transport Association		

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