

SECTION 1: Identification of the substance/mixture and of the company**1.1. Product identifier**

Product form Mixture
Product name Triple Superphosphate 0-40-0

1.3. Details of the supplier of the safety data sheet

Company Southern Agricultural Insecticides, Inc
P.O. Box 218
Palmetto, FL 34220
(941) 722-3285
National Pesticide Information Center: (800) 858-7378
Chemtrec (800) 424-9300 (24 hour transportation spill response)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification (GHS-US)**

Serious eye damage/eye irritation Category 2B
Skin corrosion/irritation Category 2
Specific target organ toxicity (single exposure) Category 3
May cause respiratory irritation

2.2. Label elements**GHS-US labeling****Hazard pictograms (GHS-US)****Signal word (GHS-US)**

Warning

Hazard statements (GHS-US)

H315 - Causes skin irritation
H320 - Causes eye irritation
H335 - May cause respiratory irritation

Precautionary statements (GHS-US)

P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P264 Wash thoroughly after handling
P271 Use only outdoors or in a well-ventilated area
P280 Wear protective gloves/protective clothing/eye protection/face protection
P302+P352 If on skin: Wash with plenty of water/...
P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing
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

P321	Specific treatment (see on this label)
P332+P313	If skin irritation occurs: Get medical advice/attention
P337+P313	If eye irritation persists: Get medical advice/attention
P362	Take off contaminated clothing and wash before reuse
P403+P233	Store in a well-ventilated place. Keep container tightly closed
P405	Store locked up
P501	Dispose of contents/container

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Calcium Phosphate	(CAS No) 7758-23-8	84 - 88	Skin Irrit. 2, H315 Eye Irrit. 2B, H320 STOT SE 3, H335
Dicalcium Phosphate	(CAS No) 7757-93-9	12 - 16	Eye Irrit. 2B, H320

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation	May cause respiratory irritation.
Symptoms/injuries after skin contact	Causes skin irritation.
Symptoms/injuries after eye contact	Causes eye irritation.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Reactivity Stable.

5.3. Advice for firefighters

Firefighting instructions Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment Equip cleanup crew with proper protection.
Emergency procedures Ventilate area.

6.2. Environmental precautions Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well ventilated area.

Hygiene measures Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Keep only in the original container in a cool, well ventilated place Keep container tightly closed.
Incompatible products	Strong bases. Strong acids.
Incompatible materials	Sources of ignition. Direct sunlight.

7.3. Specific end use(s) No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Material	ACGIH	OSHA
Triple Superphosphate 0-45-0	Not applicable	Not applicable
Calcium Phosphate (7758-23-8)	Not applicable	Not applicable
Dicalcium Phosphate (7757-93-9)	Not applicable	Not applicable

8.2. Exposure controls

Personal protective equipment	Avoid all unnecessary exposure.
Hand protection	Wear protective gloves.
Eye protection	Chemical goggles or safety glasses.
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	Wear appropriate mask.
Other information	Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid
Appearance	Granules.
Color	Off-white
Odor	characteristic
Odor threshold	No data available
pH	No data available
pH solution	1 g to 10 g H ₂ O: 2.3-3
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Relative evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gas)	Non-flammable
Explosion limits	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Vapor pressure	No data available
Relative density	No data available
Relative vapor density at 20 °C	No data available
Solubility	Soluble. Water: Solubility in water of component(s) of the mixture • 1.8 g/100ml • 0.010 g/100ml

Log Pow	No data available
Log Kow	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available

9.2. Other information No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity	Stable.
10.2. Chemical stability	Stable under normal conditions.
10.3. Possibility of hazardous reactions	Not established.
10.4. Conditions to avoid	Direct sunlight. Extremely high or low temperatures.
10.5. Incompatible materials	Oxidizers. May be corrosive to metals. Strong acids. Strong bases.
10.6. Hazardous decomposition products	ammonia, cyanide, sulfates, phosphate fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity Not classified

Triple Superphosphate 0-45-0
 LD50 oral rat 17500 mg/kg
 LD50 dermal rabbit > 2000 mg/kg
 ATE US (oral) 17500.000 mg/kg body weight

Calcium Phosphate (7758-23-8)
 LD50 oral rat 17500 mg/kg (Rat; Literature)
 LD50 dermal rabbit > 2000 mg/kg (Rabbit; Literature)
 ATE US (oral) 17500.000 mg/kg body weight

Dicalcium Phosphate (7757-93-9)
 LD50 oral rat 10000 mg/kg (Rat)
 LD50 dermal rat 7940 mg/kg (Rat)
 ATE US (oral) 10000.000 mg/kg body weight
 ATE US (dermal) 7940.000 mg/kg body weight

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes eye irritation.
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (single exposure)	May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	Not classified
Aspiration hazard	Not classified
Potential Adverse human health effects and symptoms	Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation May cause respiratory irritation.
Symptoms/injuries after skin contact Causes skin irritation.
Symptoms/injuries after eye contact Causes eye irritation.

SECTION 12: Ecological information

12.1. Toxicity No additional information available

12.2. Persistence and degradability

Triple Superphosphate 0-45-0 Persistence and degradability Not established.

Calcium Phosphate (7758-23-8) Persistence and degradability Biodegradability: not applicable. Not established.
 Biochemical oxygen demand (BOD) Not applicable
 Chemical oxygen demand (COD) Not applicable
 ThOD Not applicable
 BOD (% of ThOD) Not applicable

Dicalcium Phosphate (7757-93-9) Persistence and degradability Biodegradability: not applicable. Not established.
 Biochemical oxygen demand (BOD) Not applicable
 Chemical oxygen demand (COD) Not applicable
 ThOD Not applicable
 BOD (% of ThOD) Not applicable

12.3. Bioaccumulative potential

Triple Superphosphate 0-45-0 Bioaccumulative potential Not established.
 Calcium Phosphate (7758-23-8) Bioaccumulative potential No bioaccumulation data available. Not established.
 Dicalcium Phosphate (7757-93-9) Bioaccumulative potential Not bioaccumulative. Not established.

12.4. Mobility in soil No additional information available

12.5. Other adverse effects

Effect on the global warming No known ecological damage caused by this product.
 Other information Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT) Not regulated for transport
ADR No additional information available
Transport by sea No additional information available
Air transport No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Triple Superphosphate 0-45-0 Not listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA No additional information available

EU-Regulations No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP] No additional information available

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]
Not classified

National regulations No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

SECTION 16: Other information

Other information None.

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