

## Safety Data Sheet



### Section 1: Identification

#### Product identifier

**Product Name** • Shine 2-16-16

**Relevant identified uses of the substance or mixture and uses advised against**

**Recommended use** • Foliar fertilizer

#### Details of the supplier of the safety data sheet

**Manufacturer** • Source to Source, a TAP Family Company  
3233 South "I" Street  
Tulare, CA 93274  
United States

**Telephone (General)** • 559-686-4425

**Telephone (General)** • 866-727-4572 - Toll Free

#### Emergency telephone number

**Manufacturer** • 1-800-424-9300 - CHEMTREC - U.S. Canada, Puerto Rico - 24 Hrs.

### Section 2: Hazard Identification

#### United States (US)

According to OSHA 29 CFR 1910.1200 HCS

#### Classification of the substance or mixture

**OSHA HCS 2012** • Eye Irritation 2 - H319

#### Label elements

**OSHA HCS 2012**

#### WARNING



**Hazard statements** • Causes serious eye irritation - H319

#### Precautionary statements

**Prevention** • Wash thoroughly after handling. - P264  
Wear eye/face protection , . - P280

**Response** • IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - P305+P351+P338  
If eye irritation persists: Get medical advice/attention. - P337+P313

#### Other hazards

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

## Section 3 - Composition/Information on Ingredients

### Substances

- Material does not meet the criteria of a substance.

### Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Organic Acids	NDA	89.67%	NDA	OSHA HCS 2012: Eye Irrit. 2	NDA
Phosphoric Acid Potassium Hydroxide Urea	Proprietary	10.33%	NDA	OSHA HCS 2012: Not Classified	NDA

## Section 4: First-Aid Measures

### Description of first aid measures

- Inhalation** • Move victim to fresh air. If breathing is difficult, give oxygen. Give artificial respiration if victim is not breathing.
- Skin** • If on skin: Wash with plenty of water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.
- Eye** • IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Ingestion** • If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Get medical attention.

### Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

### Indication of any immediate medical attention and special treatment needed

- Notes to Physician** • All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## Section 5: Fire-Fighting Measures

### Extinguishing media

- Suitable Extinguishing Media** • SMALL FIRES: Dry chemical, CO2, water spray or regular foam.  
LARGE FIRE: Water spray, fog or regular foam.

- Unsuitable Extinguishing Media** • No data available

### Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards** • No data available

- Hazardous Combustion** • No data available

## Products

### Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible. Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.

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## Section 6 - Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** • Ventilate enclosed areas. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact.

**Emergency Procedures** • As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Keep out of low areas. Keep unauthorized personnel away. Stay upwind. Ventilate closed spaces before entering.

### Environmental precautions

- Do not contaminate any watercourse or other body of water by direct application, disposal, or cleaning of equipment.

### Methods and material for containment and cleaning up

**Containment/Clean-up Measures** • Stop leak if you can do it without risk.  
SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.  
LARGE SPILLS: Dike far ahead of spill for later disposal.

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## Section 7 - Handling and Storage

### Precautions for safe handling

**Handling** • Use only with adequate ventilation. Do not breathe (dust, vapor or spray mist) Avoid contact with skin, eyes, and clothing.

### Conditions for safe storage, including any incompatibilities

**Storage** • Keep container closed when not in use. Store in a cool, dry, well-ventilated place.

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## Section 8 - Exposure Controls/Personal Protection

### Control parameters

**Exposure Limits/Guidelines** • No applicable exposure limits available for the product or components.

### Exposure controls

**Engineering Measures/Controls** • Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Personal Protective Equipment

**Respiratory** • Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

**Eye/Face** • Wear safety goggles.

**Skin/Body** • Wear appropriate gloves.

**Environmental Exposure Controls** • Follow best practice for site management and disposal of waste.

ACGIH = American Conference of Governmental Industrial Hygiene  
MSHA = Mine Safety and Health Administration  
NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration  
STEL = Short Term Exposure Limits are based on 15-minute exposures  
TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

## Section 9 - Physical and Chemical Properties

### Information on Physical and Chemical Properties

#### Material Description

Physical Form	Liquid	Appearance/Description	Dark brown-colored liquid with a strong, stringent, musty odor.
Color	Dark brown.	Odor	Strong, stringent, musty odor.
Odor Threshold	No data available		

#### General Properties

Boiling Point	No data available	Melting Point	No data available
Decomposition Temperature	No data available	pH	7.5
Specific Gravity/Relative Density	1.38 Water=1	Water Solubility	No data available
Viscosity	No data available		

#### Volatility

Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		

#### Flammability

Flash Point	No data available	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		

#### Environmental

Octanol/Water Partition coefficient	No data available		
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## Section 10: Stability and Reactivity

### Reactivity

- No dangerous reaction known under conditions of normal use.

### Chemical stability

- Stable under normal temperatures and pressures.

### Possibility of hazardous reactions

- Hazardous polymerization will not occur.

### Conditions to avoid

- No data available

### Incompatible materials

- Standard calcium fertilizers.

### Hazardous decomposition products

- No data available

## Section 11 - Toxicological Information

### Information on toxicological effects

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012•Data lacking
Aspiration Hazard	OSHA HCS 2012•Data lacking
Carcinogenicity	OSHA HCS 2012•Data lacking
Germ Cell Mutagenicity	OSHA HCS 2012•Data lacking
Skin corrosion/Irritation	OSHA HCS 2012•Data lacking
Skin sensitization	OSHA HCS 2012•Data lacking
STOT-RE	OSHA HCS 2012•Data lacking
STOT-SE	OSHA HCS 2012•Data lacking
Toxicity for Reproduction	OSHA HCS 2012•Data lacking
Respiratory sensitization	OSHA HCS 2012•Data lacking
Serious eye damage/Irritation	OSHA HCS 2012•Eye Irritation 2

## Potential Health Effects

### Inhalation

**Acute (Immediate)** • May cause slight respiratory irritation.

**Chronic (Delayed)** • No data available

### Skin

**Acute (Immediate)** • No data available

**Chronic (Delayed)** • No data available

### Eye

**Acute (Immediate)** • Causes serious eye irritation.

**Chronic (Delayed)** • No data available

### Ingestion

**Acute (Immediate)** • May cause irritation.

**Chronic (Delayed)** • No data available

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## Section 12 - Ecological Information

### Toxicity

- Material data lacking.

### Persistence and degradability

- Material data lacking.

### Bioaccumulative potential

- Material data lacking.

### Mobility in Soil

- Material data lacking.

### Other adverse effects

- No studies have been found.

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## Section 13 - Disposal Considerations

### Waste treatment methods

**Product waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Packaging waste**

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

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**Section 14 - Transport Information**

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA

**Special precautions for user**

- None specified.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** • No data available

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**Section 15 - Regulatory Information****Safety, health and environmental regulations/legislation specific for the substance or mixture****SARA Hazard Classifications**

- Acute

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**Section 16 - Other Information****Last Revision Date**

- 03/December/2014

**Preparation Date**

- 03/December/2014

**Disclaimer/Statement of Liability**

- Reasonable care has been taken in the preparation of this information, but the supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Safety Data Sheet before handling product.

**Key to abbreviations**

NDA = No Data Available

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