

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 10/04/2017

Reviewed on 10/04/2017

**\* 1 Identification**

- **Product Identifier**
- **Trade name:** *Avalanche*
- **Relevant identified uses of the substance or mixture and uses advised against:** Fertilizer
- **Product Description** Fertilizer
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**  
Grow More  
15600 New Century Drive  
Gardena, CA 90248  
(310) 515-1700  
www.growmore.com
- **Emergency telephone number:** (310) 515-1700

**2 Hazard(s) Identification**

- **Classification of the substance or mixture:**  
Aquatic Acute 3 H402 Harmful to aquatic life.  
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- **Label elements:**
- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:** Non-Regulated Material
- **Signal word:** Non-Regulated Material
- **Hazard statements:**  
H402 Harmful to aquatic life.  
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements:**  
P273 Avoid release to the environment.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Unknown acute toxicity:**  
This value refers to knowledge of known, established toxicological or ecotoxicological values.
- **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Physical Hazard = 0

- **Hazard(s) not otherwise classified (HNOC):** None known

**3 Composition/Information on Ingredients**

- **Non-hazardous components:**

7732-18-5	Water, distilled water, deionized water	90-99%
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- **Chemical characterization: Mixtures**
- **Description:** Mixture of substances listed below with non-hazardous additions.

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**Trade name: Avalanche****• Dangerous Components:**

CAS: 7758-99-8	Copper Sulfate Pentahydrate	≤2.5%
RTECS: GL 8800000	⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319	

**• Additional information:**

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

**\* 4 First-Aid Measures****• Description of first aid measures:**

• **After inhalation:** Supply fresh air; consult doctor in case of complaints.

• **After skin contact:**

Immediately wash skin with soap and plenty of water for at least 20 minutes.

Remove contaminated clothes and shoes.

If skin irritation occurs, consult a doctor.

• **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

• **After swallowing:**

Do not induce vomiting. If conscious, have person drink plenty of water. Seek medical attention or contact poison control center immediately.

• **Information for doctor:**

• **Most important symptoms and effects, both acute and delayed:** No further relevant information available.

• **Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

**\* 5 Fire-Fighting Measures**

• **Extinguishing media:**

• **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

• **Special hazards arising from the substance or mixture:** No further relevant information available.

• **Advice for firefighters:**

• **Protective equipment:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

**6 Accidental Release Measures**

• **Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation.

Avoid contact with skin, eyes and clothing.

• **Environmental precautions:**

Dilute with plenty of water.

Do not allow to enter sewers/surface or ground water.

• **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the collected material according to regulations.

• **Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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**Trade name: Avalanche****• Protective Action Criteria for Chemicals****• PAC-1:**

7664-38-2	Phosphoric acid	3 mg/m <sup>3</sup>
7758-99-8	Copper Sulfate Pentahydrate	12 mg/m <sup>3</sup>

**• PAC-2:**

7664-38-2	Phosphoric acid	30 mg/m <sup>3</sup>
7758-99-8	Copper Sulfate Pentahydrate	32 mg/m <sup>3</sup>

**• PAC-3:**

7664-38-2	Phosphoric acid	150 mg/m <sup>3</sup>
7758-99-8	Copper Sulfate Pentahydrate	190 mg/m <sup>3</sup>

**7 Handling and Storage****• Handling****• Precautions for safe handling:**

Wear protective equipment.

Avoid contact with skin, eyes and clothing

**• Information about protection against explosions and fires:** No special measures required.**• Conditions for safe storage, including any incompatibilities:****• Storage****• Requirements to be met by storerooms and receptacles:** Store in a cool, dry place.**• Information about storage in one common storage facility:** Not required.**• Further information about storage conditions:** None.**• Specific end use(s):** No further relevant information available.**\* 8 Exposure Controls/Personal Protection****• Additional information about design of technical systems:** No further data; see section 7.**• Control parameters:****• Components with occupational exposure limits:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**• Additional information:** The lists that were valid during the creation of this SDS were used as basis.**• Exposure controls:****• Personal protective equipment:****• General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Wash hands before breaks and at the end of work.

**• Breathing equipment:** Not required.**• Protection of hands:** Not required.**• Material of gloves:** Not applicable.**• Penetration time of glove material:** Not applicable.**• Eye protection:**

Goggles recommended during refilling.

**• Body protection:** Not required.

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**Trade name: Avalanche****· Limitation and supervision of exposure into the environment:**

Keep away from drains, surface and ground waters.  
Avoid release into the environment.

**\* 9 Physical and Chemical Properties****· Information on basic physical and chemical properties****· General Information****· Appearance:****Form:**

Liquid

**Color:**

Dark brown

**· Odor:**

Slight Empyreumatic

**· Odor threshold:**

Not determined.

**· pH-value:**

Not applicable.

**· Change in condition****Melting point/Melting range:**

Not applicable.

**Boiling point/Boiling range:**

≥100 °C (≥212 °F)

**· Flash point:**

None

**· Flammability (solid, gaseous):**

Not applicable.

**· Ignition temperature:**

Not applicable

**· Decomposition temperature:**

Not determined.

**· Auto igniting:**

Product is not self-igniting.

**· Danger of explosion:**

Product does not present an explosion hazard.

**· Explosion limits:****Lower:**

Not determined.

**Upper:**

Not determined.

**· Vapor pressure @ 20 °C (68 °F):**

≤23 hPa (≤17.3 mm Hg)

**· Density:****Relative density:**

Not determined.

**Vapor density:**

Not determined.

**Evaporation rate:**

Not determined.

**· Solubility in / Miscibility with:****Water:**

Fully miscible.

**· Partition coefficient (n-octanol/water):** Not determined.**· Viscosity:****Dynamic:**

Not determined.

**Kinematic:**

Not determined.

**· Solvent content:****Water:**

99.0 %

**VOC content:**

0.00 %

**Solids content:**

1.1 %

**· Other information:**

No further relevant information available.

**10 Stability and Reactivity****· Reactivity:** No further relevant information available.

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**Trade name: Avalanche**

- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

**\* 11 Toxicological Information**

- **Information on toxicological effects:**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

**7758-99-8 Copper Sulfate Pentahydrate**

Oral LD50 300 mg/kg (Rat)

- **Primary irritant effect:**
- **On the skin:** No irritating effect.
- **On the eye:** Mild irritant effect.
- **Additional toxicological information:**
- **Carcinogenic categories:**

- **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

- **NTP (National Toxicology Program):**

None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

**12 Ecological Information**

- **Toxicity:**
- **Aquatic toxicity:**  
Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.
- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

**13 Disposal Considerations**

- **Waste treatment methods:**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material.

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**Trade name: Avalanche**

- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

**14 Transport Information**

- **UN-Number:**
- **DOT, ADR/ADN, ADN, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name:**
- **DOT, ADR/ADN, ADN, IMDG, IATA** Non-Regulated Material
- **Transport hazard class(es):**
- **DOT, ADR/ADN, ADN, IMDG, IATA**
- **Class:** Non-Regulated Material
- **Packing group:**
- **DOT, ADR/ADN, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

**15 Regulatory Information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**

- **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

- **Section 313 (Specific toxic chemical listings):**

7664-38-2 Phosphoric acid

7758-99-8 Copper Sulfate Pentahydrate

- **TSCA (Toxic Substances Control Act):**

7664-38-2 Phosphoric acid

7732-18-5 Water, distilled water, deionized water

- **California Proposition 65:**

- **Chemicals known to cause cancer:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

- **New Jersey Right-to-Know List:**

7664-38-2 Phosphoric acid

- **New Jersey Special Hazardous Substance List:**

7664-38-2 Phosphoric acid

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**Trade name: Avalanche**

• <b>Pennsylvania Right-to-Know List:</b>		
7664-38-2	Phosphoric acid	
• <b>Pennsylvania Special Hazardous Substance List:</b>		
7664-38-2	Phosphoric acid	E
• <b>Carcinogenic categories:</b>		
• <b>EPA (Environmental Protection Agency):</b>		
None of the ingredients are listed.		
• <b>TLV (Threshold Limit Value established by ACGIH):</b>		
None of the ingredients are listed.		
• <b>NIOSH-Ca (National Institute for Occupational Safety and Health):</b>		
None of the ingredients are listed.		
• <b>GHS label elements</b>		
The product is classified and labeled according to the Globally Harmonized System (GHS).		
• <b>Hazard pictograms:</b> Non-Regulated Material		
• <b>Signal word:</b> Non-Regulated Material		
• <b>Hazard statements:</b>		
H402 Harmful to aquatic life.		
H412 Harmful to aquatic life with long lasting effects.		
• <b>Precautionary statements:</b>		
P273 Avoid release to the environment.		
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.		
• <b>National regulations:</b>		
None of the ingredients are listed.		
• <b>Chemical safety assessment:</b> A Chemical Safety Assessment has not been carried out.		

**16 Other Information**

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

• **Date of preparation / last revision:** 10/04/2017 / 1

• **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 ACGIH: American Conference of Governmental Industrial Hygienists  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 NFPA: National Fire Protection Association (USA)  
 HMIS: Hazardous Materials Identification System (USA)  
 VOC: Volatile Organic Compounds (USA, EU)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 NIOSH: National Institute for Occupational Safety and Health  
 OSHA: Occupational Safety & Health Administration  
 TLV: Threshold Limit Value  
 PEL: Permissible Exposure Limit  
 REL: Recommended Exposure Limit

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Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· **\* Data compared to the previous version altered.**SDS created by MSDS Authoring Services [www.msdsauthoring.com](http://www.msdsauthoring.com) +1-877-204-9106