

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : Fast Trak

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Fertilizer

1.3. Details of the supplier of the safety data sheet

Power-Line Products
20504 4th Street - Acequia
Rupert, ID. 83350 - USA
T 208-531-4100 - F 208-531-4069
www.powerlineproducts.com

1.4. Emergency telephone number

Emergency number : 24 Hour Emergency HAZMAT Response (800) 229-5252 ; EPA National Response Center (800) 424-8802

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Skin Irrit. 2 H315
Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) : Warning
Hazard statements (GHS-US) : H315 - Causes skin irritation
Precautionary statements (GHS-US) : P264 - Wash face, hands thoroughly after handling
P280 - Wear eye protection, protective gloves
P302+P352 - If on skin: Wash with plenty of water
P321 - Specific treatment (see Skin, eye protection on this label)
P332+P313 - If skin irritation occurs: Get medical advice/attention
P362 - Take off contaminated clothing and wash before reuse

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

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| Name | Product identifier | % | Classification (GHS-US) |
|----------------------------------|---------------------|------|--|
| Monocarbamide Dihydrogen sulfate | (CAS No) 21351-39-3 | 5-25 | Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 |
| copper(II) sulfate, pentahydrate | (CAS No) 7758-99-8 | 0-2 | Acute Tox. 3 (Oral), H301 |

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse eyes with water as a precaution.

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

- Symptoms/injuries after skin contact : Irritation.
- Symptoms/injuries after eye contact : mild eye irritation.
- Symptoms/injuries after ingestion : Irritation of the gastric/intestinal mucosa.
- Chronic symptoms : No effects known.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

- Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8 Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- For containment : Dam up the liquid spill. Collect spillage.
- Methods for cleaning up : Take up liquid spill into absorbent material.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep cool.
- Incompatible products : Oxidizing agent. carbon steel. Metals.

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Incompatible materials : Non ferrous metals (Al, Cu, Zn, Sn) and their alloys.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Fast Trak | |
|---|----------------|
| ACGIH | Not applicable |
| OSHA | Not applicable |
| Monocarbamide Dihydrogen sulfate (21351-39-3) | |
| ACGIH | Not applicable |
| OSHA | Not applicable |
| copper(II) sulfate, pentahydrate (7758-99-8) | |
| ACGIH | Not applicable |
| OSHA | Not applicable |

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Hand protection : Protective gloves.
Eye protection : Safety glasses.
Skin and body protection : Wear suitable protective clothing.
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Clear red to violet liquid.
Color : red purple
Odor : mild
Odor threshold : No data available
pH : 2.2
pH solution : 100
Melting point : Not applicable
Freezing point : No data available
Boiling point : > 100 °C
Flash point : > 100 °C
Relative evaporation rate (butyl acetate=1) : No data available
Flammability (solid, gas) : No data available
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
Specific gravity / density : 1.3 g/ml
Solubility : Soluble in water.
Water: Solubility in water of component(s) of the mixture :
• : 100 g/100ml • : 23 g/100ml • : 77 g/100ml
Log Pow : No data available
Log Kow : No data available
Auto-ignition temperature : No data available

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| | |
|---------------------------|---------------------|
| 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

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

| Monocarbamimide Dihydrogen sulfate (21351-39-3) | |
|--|---------------------------|
| LD50 oral rat | 355 mg/kg |
| LD50 dermal rat | >= 2000 mg/kg |
| LD50 dermal rabbit | May be corrosive to skin |
| ATE US (oral) | 355.000 mg/kg body weight |

| copper(II) sulfate, pentahydrate (7758-99-8) | |
|---|---|
| LD50 oral rat | 300 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; 482 mg/kg bodyweight; Rat) |
| LD50 dermal rabbit | > 2000 mg/kg (Rabbit; Literature study; OECD 402: Acute Dermal Toxicity) |
| ATE US (oral) | 300.000 mg/kg body weight |

Skin corrosion/irritation : Causes skin irritation.
pH: 2.2

Serious eye damage/irritation : Not classified
pH: 2.2

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Symptoms/injuries after skin contact : Irritation.

Symptoms/injuries after eye contact : mild eye irritation.

Symptoms/injuries after ingestion : Irritation of the gastric/intestinal mucosa.

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Chronic symptoms : No effects known.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Monocarbamimide Dihydrogen sulfate (21351-39-3)

| | |
|----------------|---|
| LC50 fish 1 | ≈ 80 mg/l <i>Gasterosueus Aculeatus</i> |
| EC50 Daphnia 1 | 433 g/l |

copper(II) sulfate, pentahydrate (7758-99-8)

| | |
|-------------------------|---|
| LC50 fish 1 | 1.5 mg/l (24 h; <i>Lepomis macrochirus</i> ; Toxicity test) |
| EC50 Daphnia 1 | 0.109 - 0.798 mg/l (48 h; <i>Daphnia magna</i> ; Anhydrous form) |
| LC50 fish 2 | 0.17 mg/l (24 h; <i>Salmo gairdneri</i> (<i>Oncorhynchus mykiss</i>); Anhydrous form) |
| TLM fish 1 | 3.8 ppm 24 h; <i>Salmo gairdneri</i> (<i>Oncorhynchus mykiss</i>) |
| Threshold limit algae 1 | 0.01 - 0.28,72 h; <i>Selenastrum capricornutum</i> ; Anhydrous form |
| Threshold limit algae 2 | 0.368 mg/l (72 h; <i>Pseudokirchneriella subcapitata</i> ; Anhydrous form) |

12.2. Persistence and degradability

copper(II) sulfate, pentahydrate (7758-99-8)

| | |
|---------------------------------|--|
| Persistence and degradability | Biodegradability: not applicable. No (test) data on mobility of the substance available. |
| Biochemical oxygen demand (BOD) | Not applicable |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |
| BOD (% of ThOD) | Not applicable |

12.3. Bioaccumulative potential

copper(II) sulfate, pentahydrate (7758-99-8)

| | |
|---------------------------|---------------|
| Bioaccumulative potential | Bioaccumable. |
|---------------------------|---------------|

12.4. Mobility in soil

copper(II) sulfate, pentahydrate (7758-99-8)

| | |
|----------------|-----------------|
| Ecology - soil | Toxic to flora. |
|----------------|-----------------|

12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT
Not regulated for transport

Additional information

Other information : No supplementary information available.

ADR

No additional information available

Transport by sea

No additional information available

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Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Fast Trak

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

Monocarbamimide Dihydrogen sulfate (21351-39-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

copper(II) sulfate, pentahydrate (7758-99-8)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

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

SECTION 16: Other information

Revision date : 05/21/2015

Full text of H-phrases:

| | |
|---------------------|---|
| Acute Tox. 3 (Oral) | Acute toxicity (oral) Category 3 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4 |
| Skin Corr. 1A | Skin corrosion/irritation Category 1A |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| H301 | Toxic if swallowed |
| H302 | Harmful if swallowed |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |

NFPA health hazard

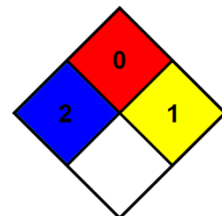
: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard

: 0 - Materials that will not burn.

NFPA reactivity

: 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.



SDS US (GHS HazCom 2012)

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