

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/  
UNDERTAKING**

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| <b><u>Product identifier</u></b> |  |
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| <b>Product Name</b> | <b>Revive Dog Spot Treatment</b> |
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| <b><u>Other means of identification</u></b> |  |
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| <b>Synonyms</b> | None |
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| <b><u>Recommended use of the chemical and restrictions on use</u></b> |  |
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| <b>Recommended Use</b> | Soil Conditioner (no VOC or Pesticide) |
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| <b>Uses advised against</b> | No information available |
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| <b><u>Details of the supplier of the safety data sheet</u></b> |  |
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| <b>Supplier Name</b> | U.S. General Corp dba Revive, Inc |
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|-------------------------|--|
| <b>Supplier Address</b> | 6501 W. 91 <sup>st</sup> Ave<br>Westminster<br>Colorado<br>80031<br>US |
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|                              |   |
|------------------------------|---|
| <b>Supplier Phone Number</b> | Phone:303-426-0373<br>Fax:303-426-0442<br>Contact Phone: 303-426-0373 |
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|                       |                    |
|-----------------------|--------------------|
| <b>Supplier Email</b> | dmiller@revive.com |
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| <b><u>Emergency telephone number</u></b> | 303-809-6234 |
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| <b>2. HAZARDS IDENTIFICATION</b> |
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| <b><u>Classification</u></b> |  |
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|---|
| This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) |
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| <b><u>GHS Label elements, including precautionary statements</u></b> |
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| <b>Emergency Overview</b> |
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| The product contains no substances which at their given concentration, are considered to be hazardous to health |  |  |

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|                   |       |  |
| <b>Appearance</b> | Black |  |

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|--|-----------------------|--------|
|  | <b>Physical State</b> | Liquid |
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|--|-------------|--------|
|  | <b>Odor</b> | Earthy |
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| <b>Precautionary Statements - Prevention</b>                       |  |  |
| Obtain special instructions before use                             |  |  |
| <b>Precautionary Statements - Response</b>                         |  |  |
| None   |  |  |
| <b>Precautionary Statements - Storage</b>                          |  |  |
| None   |  |  |
| <b>Precautionary Statements - Disposal</b>                         |  |  |
| None   |  |  |
| <b>Hazards not otherwise classified (HNOC)</b>                     |  |  |
| Not applicable   |  |  |
| <b>Unknown Toxicity</b>  |  |  |
| 4.28% of the mixture consists of ingredient(s) of unknown toxicity |  |  |

**Other information**

May be harmful if swallowed  
Causes mild skin irritation  
May cause slight eye irritation  
PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION

**Interactions with Other Chemicals**

No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

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| <b>Chemical Name</b> | <b>CAS No.</b> | <b>Weight-%</b> | <b>Trade Secret</b> |
|----------------------|----------------|-----------------|---------------------|
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|                       |             |        |   |
|-----------------------|-------------|--------|---|
| Supplier Trade Secret | Proprietary | 7 - 13 | * |
|-----------------------|-------------|--------|---|

|                 |           |       |   |
|-----------------|-----------|-------|---|
| Ferrous sulfate | 7720-78-7 | 1 - 5 | * |
|-----------------|-----------|-------|---|

\*The exact percentage (concentration) of composition has been withheld as a trade secret

**4. FIRST AID MEASURES**

**First aid measures**

**Eye Contact** Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

**Skin Contact** Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.

**Inhalation** Remove to fresh air. If symptoms persist, call a physician.

**Ingestion** Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.

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

**Most Important Symptoms and Effects**

No information available.

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

**Notes to Physician**

Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**

CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific Hazards Arising from the Chemical**

No information available.

**Hazardous Combustion Products**

Carbon oxides.

**Explosion Data**

**Sensitivity to Mechanical Impact**

No.

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| <b>Sensitivity to Static Discharge</b> | No. |  |
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| <b><u>Protective equipment and precautions for firefighters</u></b> | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |  |
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| <b>6. ACCIDENTAL RELEASE MEASURES</b> |  |  |
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| <b><u>Personal precautions, protective equipment and emergency procedures</u></b> |  |  |
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| <b>Personal Precautions</b> | Avoid contact with eyes. |  |
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| <b><u>Environmental Precautions</u></b> |  |  |
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| <b>Environmental Precautions</b> | Refer to protective measures listed in Sections 7 and 8. |  |
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| <b><u>Methods and material for containment and cleaning up</u></b> |  |  |
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| <b>Methods for Containment</b> | Prevent further leakage or spillage if safe to do so. |
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| <b>Methods for cleaning up</b> | Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. |
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| <b>7. HANDLING AND STORAGE</b> |

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| <b><u>Precautions for safe handling</u></b> |
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| <b>Handling</b> | Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes. |
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| <b><u>Conditions for safe storage, including any incompatibilities</u></b> |
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| <b>Storage</b> | Keep container tightly closed. |
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| <b>Incompatible Products</b> | None known based on information supplied. |
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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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| <b><u>Control parameters</u></b>   |  |                                       |                             |
| <b>Exposure Guidelines</b>   |  |                                       |                             |
| <b>Chemical Name</b>   | <b>ACGIH TLV</b>   | <b>OSHA PEL</b>                       | <b>NIOSH IDLH</b>           |
| Ferrous sulfate<br>7720-78-7   | TWA: 1 mg/m <sup>3</sup> Fe  | (vacated) TWA: 1 mg/m <sup>3</sup> Fe | TWA: 1 mg/m <sup>3</sup> Fe |
| <i>ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health</i> |  |                                       |                             |
| <b>Other Exposure Guidelines</b>   | Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters       |                                       |                             |
| <b><u>Appropriate engineering controls</u></b>   |  |                                       |                             |
| <b>Engineering Measures</b>  | Showers<br>Eyewash stations<br>Ventilation systems   |                                       |                             |
| <b><u>Individual protection measures, such as personal protective equipment</u></b>  |  |                                       |                             |
| <b>Eye/Face Protection</b>   | No special protective equipment required.  |                                       |                             |
| <b>Skin and Body Protection</b>  | No special protective equipment required.  |                                       |                             |
| <b>Respiratory Protection</b>  | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. |                                       |                             |
| <b>Hygiene Measures</b>  | Handle in accordance with good industrial hygiene and safety practice.   |                                       |                             |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |                          |             |        |
|--|--------------------------|-------------|--------|
| <b><u>Physical and Chemical Properties</u></b> |                          |             |        |
| <b>Physical State</b>                          | Liquid                   |             |        |
| <b>Appearance</b>                              | Black                    |             |        |
|  |                          | <b>Odor</b> | Earthy |
| <b>Color</b>                                   | No information available |             |        |



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|--|-----------------------|--------------------------|
|  | <b>Odor Threshold</b> | No information available |
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| <u>Property.</u> | <u>Values</u> |
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|  | <b>Remarks/ Method</b> |
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| <b>pH</b> | 5 |
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|  | None known |
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| <b>Melting / freezing point</b> | No data available |
|---------------------------------|-------------------|

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|  | None known |
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| <b>Boiling point / boiling range</b> | 100 °C / 212 °F |
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|  | None known |
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| <b>Flash Point</b> | 5001 C / 9034 F |
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|  | None known |
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| <b>Evaporation Rate</b> | No data available |
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|  | None known |
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| <b>Flammability (solid, gas)</b> | No data available |
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|  | None known |
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| <b>Flammability Limit in Air</b> |  |  |
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| <b>Upper flammability limit</b> | No data available |
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| <b>Lower flammability limit</b> | No data available |
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| <b>Vapor pressure</b> | No data available |
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|  | None known |
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| <b>Vapor density</b> | No data available |
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|  | None known |
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| <b>Specific Gravity</b> | No data available |
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|  | None known |
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| <b>Water Solubility</b> | Soluble in water |  |  |
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None known

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| <b>Solubility in other solvents</b> | No data available |  |  |
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None known

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|--|-------------------|--|--|
| <b>Partition coefficient: n-octanol/<br/>water</b> | No data available |  |  |
|--|-------------------|--|--|

None known

|                                 |                   |  |  |
|---------------------------------|-------------------|--|--|
| <b>Autoignition temperature</b> | No data available |  |  |
|---------------------------------|-------------------|--|--|

None known

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|----------------------------------|-------------------|--|--|
| <b>Decomposition temperature</b> | No data available |  |  |
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None known

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| <b>Kinematic viscosity</b> | No data available |  |  |
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None known

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| <b>Dynamic viscosity</b> | 1.07 |  |  |
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|  | None known |
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| <b>Explosive properties</b> | No data available |
| <b>Oxidizing Properties</b> | No data available |

|                                   |                   |
|-----------------------------------|-------------------|
| <b><u>Other Information</u></b>   |                   |
| <b>Softening Point</b>            | No data available |
| <b>VOC Content (%)</b>            | No data available |
| <b>Particle Size</b>              | No data available |
| <b>Particle Size Distribution</b> |                   |

## 10. STABILITY AND REACTIVITY

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| <b><u>Reactivity.</u></b> |
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| No data available. |
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| <b><u>Chemical stability</u></b><br>Stable under recommended storage conditions. |
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| <b><u>Possibility of Hazardous Reactions</u></b><br>None under normal processing. |
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| <b><u>Hazardous Polymerization</u></b><br>Hazardous polymerization does not occur. |
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| <b>Conditions to avoid</b><br>None known based on information supplied. |  |
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| <b>Incompatible materials</b><br>None known based on information supplied. |  |
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| <b>Hazardous Decomposition Products</b><br>Carbon oxides. |  |
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| <b>11. TOXICOLOGICAL INFORMATION</b> |
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| <b><u>Information on likely routes of exposure</u></b> |
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|----------------------------|---|
| <b>Product Information</b> | Product does not present an acute toxicity hazard based on known or supplied information. . |
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|-------------------|---|
| <b>Inhalation</b> | Specific test data for the substance or mixture is not available. |
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|                    |   |
|--------------------|---|
| <b>Eye Contact</b> | Specific test data for the substance or mixture is not available. |
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|                     |   |
|---------------------|---|
| <b>Skin Contact</b> | Specific test data for the substance or mixture is not available. |
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| <b>Ingestion</b> | Specific test data for the substance or mixture is not available. |
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| <b>Component Information</b> |  |
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| Chemical Name                | Oral LD50           | Dermal LD50 | Inhalation LC50 |
|------------------------------|---------------------|-------------|-----------------|
| Ferrous sulfate<br>7720-78-7 | = 237 mg/kg ( Rat ) | -           | -               |

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| <b><u>Information on toxicological effects</u></b> |
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| <b>Symptoms</b> | No information available. |
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| <b><u>Delayed and immediate effects as well as chronic effects from short and long-term exposure</u></b> |
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| <b>Sensitization</b> | No information available. |
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| <b>Mutagenic Effects</b> | No information available. |
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| <b>Carcinogenicity</b>   | Contains no ingredient listed as a carcinogen.                                  |
| <b>Reproductive Toxicity</b>   | No information available.   |
| <b>STOT - single exposure</b>  | No information available.   |
| <b>STOT - repeated exposure</b>  | No information available.   |
| <b>Chronic Toxicity</b>  | No known effect based on information supplied. May cause adverse liver effects. |
| <b>Target Organ Effects</b>  | Eyes. Gastrointestinal tract (GI). Liver. Respiratory system. Skin.             |
| <b>Aspiration Hazard</b>   | No information available.   |
| <b><u>Numerical measures of toxicity</u> Product Information</b>             |   |
| The following values are calculated based on chapter 3.1 of the GHS document |   |
| ATEmix (oral)<br>4,195.00 mg/kg  |   |

## 12. ECOLOGICAL INFORMATION

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| <b><u>Ecotoxicity</u></b> |  |
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The environmental impact of this product has not been fully investigated.

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| Chemical Name                | Toxicity to Algae | Toxicity to Fish  | Toxicity to Microorganisms | Daphnia Magna (Water Flea)                            |
|------------------------------|-------------------|---|----------------------------|---|
| Ferrous sulfate<br>7720-78-7 |                   | 96h LC50: = 0.56 mg/L<br>(Cyprinus carpio) 96h<br>LC50: = 925 mg/L<br>(Poecilia reticulata) |                            | 48h EC50: 6.15 - 9.26<br>mg/L 48h EC50: = 152<br>mg/L |

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| <b><u>Persistence and Degradability</u></b><br>No information available. |  |
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| <b>Bioaccumulation</b> | No information available |
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| <b>Other adverse effects</b> | No information available. |
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| <b>13. DISPOSAL CONSIDERATIONS</b> |

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| <b>Waste treatment methods</b> |  |
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| <b>Disposal methods</b> | This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements. |
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| <b>Contaminated Packaging</b> | Dispose of contents/containers in accordance with local regulations. |
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| <b>California Hazardous Waste Codes</b> | 135 |  |
|---|-----|--|

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| <b>14. TRANSPORT INFORMATION</b> |  |  |
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|                             |               |  |
|-----------------------------|---------------|--|
|                             |               |  |
|                             |               |  |
| <b>DOT</b>                  | NOT REGULATED |  |
| <b>Proper Shipping Name</b> | NON REGULATED |  |
| <b>Hazard Class</b>         | N/A           |  |
|                             |               |  |
| <b>TDG</b>                  | Not regulated |  |
|                             |               |  |
| <b>MEX</b>                  | Not regulated |  |
|                             |               |  |
| <b>ICAO</b>                 | Not regulated |  |
|                             |               |  |
| <b>IATA</b>                 | Not regulated |  |
| <b>Proper Shipping Name</b> | NON REGULATED |  |
| <b>Hazard Class</b>         | N/A           |  |
|                             |               |  |
| <b>IMDG/IMO</b>             | Not regulated |  |
| <b>Hazard Class</b>         | N/A           |  |
|                             |               |  |
| <b>RID</b>                  | Not regulated |  |
|                             |               |  |
| <b>ADR</b>                  | Not regulated |  |
|                             |               |  |
| <b>ADN</b>                  | Not regulated |  |

|                                   |  |  |
|-----------------------------------|--|--|
| <b>15. REGULATORY INFORMATION</b> |  |  |
|-----------------------------------|--|--|

|   |  |  |
|---|--|--|
| <b><u>International Inventories</u></b> |  |  |
|---|--|--|

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|      |  |  |
| TSCA | Complies   |  |
| DSL  | All components are listed either on the DSL or NDSL. |  |
|      |  |  |

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

|                                      |  |  |
|--------------------------------------|--|--|
| <b><u>US Federal Regulations</u></b> |  |  |
|--------------------------------------|--|--|

**SARA 313**  
 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

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| <b><u>SARA 311/312 Hazard Categories</u></b> |  |  |
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|  |    |
|--|----|
| <b>Acute Health Hazard</b>               | No |
| <b>Chronic Health Hazard</b>             | No |
| <b>Fire Hazard</b>                       | No |
| <b>Sudden release of pressure hazard</b> | No |
| <b>Reactive Hazard</b>                   | No |

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name                | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Ferrous sulfate<br>7720-78-7 | 1000 lb                     |                        |                           | X                          |

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name                | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ  |
|------------------------------|--------------------------|------------------------------------|---|
| Ferrous sulfate<br>7720-78-7 | 1000 lb                  |                                    | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical Name                | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|------------------------------|------------|---------------|--------------|--------------|----------|
| Ferrous sulfate<br>7720-78-7 | X          | X             | X            | X            |          |

**International Regulations**

**Mexico**

**National occupational exposure limits**

| Component                              | Carcinogen Status | Exposure Limits   |
|--|-------------------|---|
| Ferrous sulfate<br>7720-78-7 ( 1 - 5 ) |                   | Mexico: TWA 1 mg/m <sup>3</sup><br>Mexico: STEL 2 mg/m <sup>3</sup> |

*Mexico - Occupational Exposure Limits - Carcinogens*

**Canada**

**WHMIS Hazard Class**

Non-controlled

**16. OTHER INFORMATION**

NFPA

Health Hazards 1

Flammability 0

Instability 0

|  |                                      |   |
|--|--------------------------------------|---|
|  | <b>Physical and Chemical Hazards</b> | - |
|--|--------------------------------------|---|

|             |
|-------------|
| <b>HMIS</b> |
|-------------|

|  |                       |   |
|--|-----------------------|---|
|  | <b>Health Hazards</b> | 1 |
|--|-----------------------|---|

|  |                     |   |
|--|---------------------|---|
|  | <b>Flammability</b> | 0 |
|--|---------------------|---|

|  |                        |   |
|--|------------------------|---|
|  | <b>Physical Hazard</b> | 0 |
|--|------------------------|---|

|  |                            |   |
|--|----------------------------|---|
|  | <b>Personal Protection</b> | X |
|--|----------------------------|---|

|                      |  |
|----------------------|--|
| <b>Prepared By</b>   | Product Stewardship<br>23 British American Blvd.<br>Latham, NY 12110<br>1-800-572-6501 |
| <b>Revision Date</b> | 06-Nov-2014  |
| <b>Revision Note</b> | No information available   |

**Disclaimer**  
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**