

# Safety Data Sheet

<b>Section 1 Identification</b>	<p>(a) Product: <b>Tara MgN (7-0-0)</b></p> <p>(b) Other means of identification: <b>Magnesium Nitrate Solution</b></p> <p>(c) Recommended use of the chemical and restrictions on use; <b>Fertility</b></p> <p>(d) Supplier's details (including name, address, phone number etc.): <b>Tara Solutions, LLC P.O. Box 13452, Tampa, FL 33681. Office: 813-563-1463.</b></p> <p>(e) Emergency phone number: <b>CHEMTREC 1-800-424-9300</b></p>
<b>Section 2 Hazard Identification</b>	<p>(a) GHS classification of the substance/mixture and any national or regional information: <b>GHS07</b></p> <p>(b) GHS label elements, including precautionary statements: <b>Warning: May cause eye irritation, Harmful if swallowed, May cause respiratory irritation.</b></p> <p>(c) Other hazards which do not result in classification (e.g. "dust explosion hazard") or are not covered by the GHS: <b>NA</b></p>
<b>Section 3 Product Composition</b>	<p>(a) Chemical identity: <b>Magnesium Nitrate Solution</b></p> <p>(b) Common name, synonyms, etc.: <b>Magnesium Nitrate</b></p> <p>(c) CAS number and other unique identifiers; <b>13446-18-9</b></p> <p>(d) Impurities and stabilizing additives which are themselves classified and which contribute to the classification of the substance. <b>NA</b></p> <p>(e) Chemical identity and concentration: <b>Magnesium Nitrate 66.5%, Water 33.5%</b></p>
<b>Section 4 First-Aid Measures</b>	<p>(a) <b>Eyes:</b> Immediately flush eyes with water; remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes. Call poison control center or doctor for treatment advice.</p> <p>(b) <b>Skin:</b> Immediately flush skin with water while removing contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse.</p> <p>(c) <b>Ingestion:</b> If ingested consult a physician immediately. Do not induce vomiting. If conscious drink large amounts of water.</p> <p>(d) <b>Inhalation:</b> Use in well ventilated area, however if symptomatic, remove to fresh air. Seek medical attention if necessary.</p> <p>(e) Acute Health Hazards: High levels of nitrates may reduce the blood's ability to transport oxygen causing headache, fatigue, dizziness and blue lips and skin (methemoglobinemia). Moderate irritant of eyes, skin, mucous membranes, and contaminated tissue. Prolonged contact can result in tissue damage which could lead to blindness. Ingestion can be harmful or fatal.</p> <p>(f) Chronic health hazards: Methemoglobinemia is the primary health effect. Prolonged skin contact may result in dermatitis (inflammation and redness of skin). Repeated ingestion of small amounts may cause weakness, depression, headaches, neurological effects and mental impairment.</p>
<b>Section 5 Fire-fighting Measures</b>	<p>(a) Suitable (and unsuitable) extinguishing media: Not combustible or reactive, but can contribute to the intensity of the fire. Water spray is recommended. Halon, foam, dry chemical, CO2 or any ABC class extinguisher are acceptable. Wear self-contained breathing apparatus and full protective gear.</p> <p>(b) Specific hazards arising from the chemical (e.g. nature of any hazardous combustion products): In a fire this material may decompose and produce acrid vapors, magnesium compounds and oxides of nitrogen.</p> <p>(c) Special protective equipment and precautions for fire-fighters: Use extinguishing agent most appropriate to surrounding materials.</p>
<b>Section 6 Accidental Release Measures</b>	<p>(a) Personal precautions, protective equipment and emergency procedures: Avoid splashing. Prevent exposure to spilled material with the use of proper PPE. Refer to Section 7, Safe Handling and Storage for additional precautionary measures. Keep upwind of spill. Spilled material may cause a slipping hazard. Ventilate area around leak or spill. Use appropriate personal protective equipment. For additional information, refer to Section 8, Exposure Controls/Personal Protection.</p> <p>(b) Environmental precautions. Avoid release to the environment. Control the flow of product using dikes of soil, sand bags, or other commercially available inert absorbent socks or boom.</p> <p>(c) Methods and materials for containment and cleaning up: Control the flow of product using dikes of soil, sand bags, or other commercially available inert absorbent socks or boom. Avoid splashing or spraying. Prevent discharge to sewers or waterways. Stop the flow of material, if this is without risk. Collect and dispose of spillage as indicated in Section 13.</p>
<b>Section 7 Handling &amp; Storage</b>	<p>(a) Precautions for safe handling and storage. Store in a well ventilated cool dry place. Containers should be kept closed and properly labeled.</p> <p>(b) Incompatibility: Flammable and combustible materials, strong reducing agents and strong acids, finely powdered metals.</p>
<b>Section 8 Exposure Controls &amp; Personal Protection</b>	<p>(a) Control parameters e.g. occupational exposure limit values or biological limit values: None established for Magnesium Nitrate.</p> <p>(b) Appropriate engineering controls: Local or general exhaust. Eyewash and emergency shower facilities should be available.</p> <p>(c) Individual protection measures, such as personal protective equipment. Eyes - Use chemical or safety goggles. Skin - Use protective clothing. Hand Protection - Use gloves chemically resistant to this material. Respiratory - None required under normal conditions. NIOSH approved respirator if there is a mist of the product.</p>

<b>Section 9 Physical &amp; Chemical Properties</b>	<ul style="list-style-type: none"> <li>(a) Appearance (physical state, colour etc): Colorless to slightly yellowish liquid.</li> <li>(b) Odour: Little to no detectable odor.</li> <li>(c) Odour threshold; NA</li> <li>(d) pH: 5.5-7.0</li> <li>(e) Melting point/freezing point: &lt;5F</li> <li>(f) Boiling point: &gt;212F</li> <li>(g) Flash point: Not flammable</li> <li>(h) Evaporation rate: No data available</li> <li>(i) Flammability (solid, gas): No data available.</li> <li>(j) Relative density: 1.35 @ 60F</li> <li>(k) Solubility(ies): No data available.</li> <li>(l) Salt-out temperature: 15F</li> <li>(m) UEL/LEL: No data available.</li> <li>(n) Solubility: Miscible in water</li> <li>(o) Auto-ignition temperature: Not flammable</li> </ul>
<b>Section 10 Stability &amp; Reactivity</b>	<ul style="list-style-type: none"> <li>(a) Reactivity: Product is not reactive under normal conditions. Avoid interaction with heat (flames), oxidizers, acids or alkalis.</li> <li>(b) Chemical stability: Product is stable under normal conditions</li> <li>(c) Possibility of hazardous reactions: None known. Hazardous polymerization will not occur.</li> <li>(d) Conditions to avoid: Keep away from direct heat sources. Avoid heating within a confined space. Avoid incompatibilities and contamination. Avoid temperatures above 120°F (49°C) and below 32°F (0°C).</li> <li>(e) Incompatible materials: Avoid contact with readily oxidizable materials, strong acids, strong reducing agents, alkalis and finely powdered metals.</li> <li>(f) Hazardous decomposition products: Extreme heat may cause decomposing to acrid vapors, magnesium compounds and nitrogen oxides.</li> </ul>
<b>Section 11 Toxicological Information</b>	<ul style="list-style-type: none"> <li>(a) Routes of Exposure: Inhalation, ingestion or skin/eye absorption</li> <li>(b) Long Term Effects: Methemoglobinemia is the primary long-term health effect of over-exposure.</li> <li>(c) Toxicity: No limits have been set for this material.</li> <li>(d) Exposure Symptoms: Eyes - Mild eye irritation, Skin &amp; respiratory - Mild irritant, Ingestion - Can cause abdominal pain, vomiting, diarrhea and methemoglobinemia, Inhalation - May irritate respiratory tract and mucous membranes.</li> <li>(e) Carcinogen: The International Agency for Research on Cancer has not classified Magnesium Nitrate for its carcinogenic potential.</li> </ul>
<b>Section 12 Ecological Information</b>	<ul style="list-style-type: none"> <li>(a) Water: High concentrations may be harmful to fish and other aquatic organisms.</li> <li>(b) Exeotoxicity: No data available.</li> <li>(c) Persistence and Degradability: No data available.</li> <li>(d) Bioaccumulative Potential: This product is not bioaccumulative.</li> <li>(e) Mobility in Soil: No data available.</li> <li>(f) Other Adverse Effects: No data available.</li> </ul>
<b>Section 13 Disposal Considerations</b>	<ul style="list-style-type: none"> <li>(a) Waste: Disposal must be done in accordance with local, state, and federal environmental regulations. Place waste in an appropriate container with correct labeling.</li> <li>(b) Additional Information: Dispose of used containers at an approved waste handling facility. Empty containers may contain residue of the product, follow label warnings even after container is emptied.</li> </ul>
<b>Section 14 Transport Information</b>	<p>This material is not regulated as dangerous goods by the US Department of Transportation.</p>
<b>Section 15 Regulatory Information</b>	<p>This product has been reviewed according to the EPA Hazard Categories promulgated under Sections 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act (SARA) and is considered, under applicable definitions, to meet the following categories: Fire - No, Pressure - No, Acute - No, Chronic - No, Reactive - No</p> <p>This product contains the following substances subject to the reporting requirements of Title III (EPCRA) of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: Magnesium Nitrate (CAS No. 13446-18-9)</p> <p>If this product contains components subject to substances designated as CERCLA reportable Quantity (RQ) Substances, it will be designated in the above table with the RQ value in pounds. If there is a release of RQ Substance to the environment, notification to the National Response Center, Washington DC (800-424-8802) is required.</p> <p>Magnesium Nitrate is a hydrated form of Nitric Acid, Magnesium Salt, which is listed on the Active TSCA inventory.</p>
<b>Section 16 Other Information</b>	<p>June 2019 TSCA Statement revised to include the word 'Active'. May 1, 2019 SDS updated to meet GHS Requirements. June 2018 SDS format updated. October 2017 SDS update to meet GHS Standards. August 2014 TSCA statement revised. February 2013 revision prepared in accordance with 29 CFR 1910.1200 Appendix D to meet Global Harmonization Standards.</p>

The above furnished information is believed to be correct on the date it was published. This SDS is provided without any warranty expressed or implied. Users should consider this data as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment.