

**ERIE AREA COUNCIL OF GOVERNMENTS
JOINT BIDDING COMMITTEE
2022**

**BID # 2022-5
SIDEWALK DEICER MATERIAL**

**PLEASE CONTACT JESSICA HORAN-KUNCO WITH QUESTIONS
AT JHKUNCO@ERIEAREACOG.ORG
OR (814) 454-1770**

PROPOSAL FROM:

COMPANY: Government M/D Supplies USA INC
ADDRESS: 7939 NORTOLK AVE #200
Bethesda MD 20814
CONTACT NAME: Zak Elyasi
PHONE #: 301-652-7200 / 571-285-6834
E-MAIL: zelyasi@gmail.com
DATE: 5/3/22

**ERIE AREA COUNCIL OF GOVERNMENTS
JOINT MUNICIPAL BIDDING COMMITTEE**

INSTRUCTIONS TO BIDDERS

ARTICLE I - DEFINITIONS

Wherever used in these contract documents or specifications, the following terms shall have the meanings indicated and shall be applicable to both the singular and plural thereof:

Bidder - Any person, firm, or corporation submitting a bid.

Contract - The signed written agreement between the Owner and the Contractor covering the materials, supplies, equipment, product and/or services to be purchased.

Contract Date - The effective date of the beginning of the Contract time. Such date to be in accord with Article IX and to be indicated by the Owner in the notice of award.

Contract Documents - The contract documents shall consist of the advertisement for bids or notice to bidders; bid security; performance bonds; instructions to bidders; form of proposal; the Contract, the general and special conditions of contract; and the detail specifications, including all modifications thereof incorporated in any of the documents before the execution of the Contract.

Contract Term - The calendar period stated in the Contract and/or Form of Proposal for the completion of the project and/or Contract as specified.

Contractor - The person, firm, or corporation with whom the Owner has executed the Contract.

Form of Proposal - The offer or proposal of the bidder submitted on the prescribed form setting forth the prices for the material and/or services to be furnished.

Modification - Any written amendment of any of the contract documents (including change orders) duly executed and delivered after executions of the Contract.

Notice - Written notice shall be deemed to have been duly served if delivered in person or electronically via email or website download to the individual or to a member of the firm or to an officer of the corporation for whom it is intended, or to an authorized representative of such individual, firm or corporation.

In analyzing bids, the Owner may take into consideration alternates and unit prices if requested by the Form of Proposal. The Owner will give the successful Bidder written notice of the award within sixty (60) day after the opening of the bids. The Owner shall be required to take the proper action to accept or reject the bids submitted with sixty (60) days of the bid opening.

Each municipality will execute its own Contract or purchase order with the successful Bidders and shall be liable only for supplies, equipment, material, product and/or services contracted for by itself. Each successful Bidder shall be required to invoice each participating municipality separately.

Upon notification and within ten (10) days of the execution of the contract documents and at the discretion of the municipality the vendor may be required to deliver a performance bond as security for the faithful performance of this Contract. The performance bond will be provided payable to the municipality. The performance bond shall be in the amount of fifty percent (50%) of the Contract amount based on the estimated quantities of the awarding municipality detailed elsewhere and the bidder's proposed price.

Failure of the successful Bidder to execute the contract documents and deliver any required security within ten days (10) of the notification of the award shall be just cause for the Owner to annul the award and declare the bid and any guarantee thereof forfeited.

The bid security of all Bidders except that of the two (2) apparent lowest Bidders will be returned within one (1) month of the bid opening. The bid security of the two (2) apparent lowest bidders will be returned upon finalization of the agreement with the successful Bidder.

ARTICLE III - REQUIREMENTS FOR SIGNING BIDS

Each bid must give the full business name and address of the Bidder and be signed by him with his usual signature. All bids must be signed. Bids which are not signed by the individual making them, should have attached thereto a power-of-attorney evidencing authority to sign the bid in the name of the person for whom it is signed. Bids by partnership must furnish the full name of all partners and must be signed in the partnership name by all of the partners or by an attorney-in-fact.

If signed by an attorney-in-fact, there should be attached to the bid a power-of-attorney evidencing authority to sign the bid(s) executed by the partners. Bids by corporations must be signed with the legal name of the corporation, followed by the name of the state of incorporation and by the signature of the president or vice-president, or other officer of the corporation authorized to bind it in these matters; together with the impression of the corporate seal, attested by the secretary of the corporation. When requested by the Owner, satisfactory evidence of the authority of the officer signing on behalf of the corporation shall be

ARTICLE VIII - VERBAL STATEMENTS

No verbal or oral interpretation of plans or specifications will be given before the award of the Contract. Discrepancies, omissions, or doubts as to the meaning of plans or specifications should be communicated to the Owner in writing for clarification. Any interpretation made will be in the form of an addendum to the specifications which will be forwarded to all Bidders. See Article V.

ARTICLE IX - CONTRACT DURATION

Unless otherwise noted or specified, all Contracts shall commence with the Contract Date and expire on May 30, 2023 or on May 30th of subsequent years if extended by mutual agreement. Those municipalities having Contracts for supplies, equipment, material, product and/or services whose term extends into the period covered by this Contract time will have the right to participate in a Contract with the successful Bidder as their individual obligations expire.

ARTICLE X - BIDS OR PROPOSALS

All bids must be indicated upon the Form of Proposal attached hereto. Bidders shall submit the completed bid documents either by mail drop off or delivery. All proposals must be addressed as outlined in this document. The Bidders may bid on any or all items called for in the Form of Proposal; if an item or alternate is called for on a type of equipment or material or method on which the Bidder does not desire to bid, he may insert the words "No Bid" in the space provided for prices on such item(s) or alternate(s). If it is determined by the Owner to use alternate type of equipment, type of material, or method--the fact that the cost of an alternative type of equipment, material or method bid by a Bidder may be lower than that chosen, shall not constitute the basis or a claim by the Bidder that the Contract shall be awarded to him. In the case that a Bidder desires to bid on an alternate, he shall set forth in the space provided in the Form of Proposal the explanation and amount to be added or deducted from the base bid. If an alternate price called for does not involve a change in price, the Bidder shall so indicate by inserting the words "No Change" in the space provided. If any type of discount is offered by the Bidder for prompt payment of bills or other consideration, such may also be set forth on the Form of Proposal.

Erasures or changes in a bid must be explained or noted over the signature of the Bidder. Bids containing any conditions, omissions, unexplained erasures or alterations or items not called for in the proposal or irregularities of any kind, may be rejected by the Owner as being incomplete.

Bids shall be accompanied by bid security as provided in the Special Conditions section.

JOINT BIDDING SPECIFICATION

SIDEWALK DEICER MATERIAL

ERIE AREA COUNCIL OF GOVERNMENTS

JOINT MUNICIPAL BIDDING COMMITTEE

APRIL 19, 2022

Administered by:

Erie Area Council of Governments
150 East Front St.
Suite 300
Erie, PA 16507
814-454-1770
jhkunco@erieareacog.org

**ERIE AREA COUNCIL OF GOVERNMENTS
JOINT BIDDING COMMITTEE**

**FORM OF PROPOSAL
2022
Sidewalk Deicer Material**

I/We have investigated the availability of the specified products and agree to furnish to the Municipality the specified products at the following prices:

FOR THE REQUESTED QUANTITIES TO BE DELIVERED:

<u>Sidewalk Deicer</u>	<u>Participant:</u>	<u>Number of</u> <u>50# bags</u>	<u>price</u> <u>per bag</u>
County of Erie (Courthouse 140 West 6th St.)		275	
Name of Recommended Product	<u>"Sugar Mag"TM</u>		<u>\$ 10.29</u>
Alternate Product	_____		<u>\$</u>
Alternate Product	_____		<u>\$</u>
City of Erie (contact Chuck Zysk for delivery location)		98	
Name of Recommended Product	<u>"Sugar Mag"TM</u>		<u>\$ 10.29</u>
Alternate Product	_____		<u>\$</u>
Alternate Product	_____		<u>\$</u>
The Borough of Edinboro (Contact Jason Spangenberg for delivery location)		196	
Name of Recommended Product	<u>"Sugar Mag"TM</u>		<u>\$ 10.29</u>
Alternate Product	_____		<u>\$</u>
Alternate Product	_____		<u>\$</u>
Greene Township (9333 Tate Rd 16509)		49	
Name of Recommended Product	<u>"Sugar Mag"TM</u>		<u>\$ 10.29</u>
Alternate Product	_____		<u>\$</u>
Alternate Product	_____		<u>\$</u>
Harborcreek Township (5601 Buffalo Rd)		98	
Name of Recommended Product	<u>"Sugar Mag"TM</u>		<u>\$ 10.29</u>
Alternate Product	_____		<u>\$</u>
Alternate Product	_____		<u>\$</u>
Lawrence Park Township (4230 Iroquois Ave)		196	
Name of Recommended Product	<u>"Sugar Mag"TM</u>		<u>\$ 10.29</u>
Alternate Product	_____		<u>\$</u>
Alternate Product	_____		<u>\$</u>

ERIE AREA COUNCIL OF GOVERNMENTS
JOINT BIDDING COMMITTEE
2022
Sidewalk Deicer Material

Accompanying this Proposal is a certified check/bid bond (circle one) in the amount of Not Required dollars made payable to the Erie Area Council of Governments, Erie, Pennsylvania, which is agreed, shall be retained as liquidated damages by the Erie Area Council of Governments if the undersigned fails to execute a Contract in conformity with the Contract Documents and furnish any specified bonds within ten (10) days after notification of award of the Contract to the undersigned. It is agreed that this Proposal may not be withdrawn for a period of sixty (60) days from the opening thereof.


I/We hereby certify that I/we have read, understand, and agree to all the conditions outlined in the Solicitation of Bids, Instructions to Bidders, Special Conditions, Detail Specifications, and all other parts of the Document. I am/We are the only person(s) interested in the Proposal as principal(s). This Proposal is made without collusion with any person, firm or corporation.

ATTEST:

(Title)

(SEAL)

Company Government MCO Supplies
Address 7939 Nurfalk Ave #200 ^{USA INC}
Bethesda MD 20814
Phone 571-285-6834 / 301-652-7200
E-Mail Zelyasi@gmail.com

Signed 

Name Zak Elyasi
(Type or Print)

Title CEO

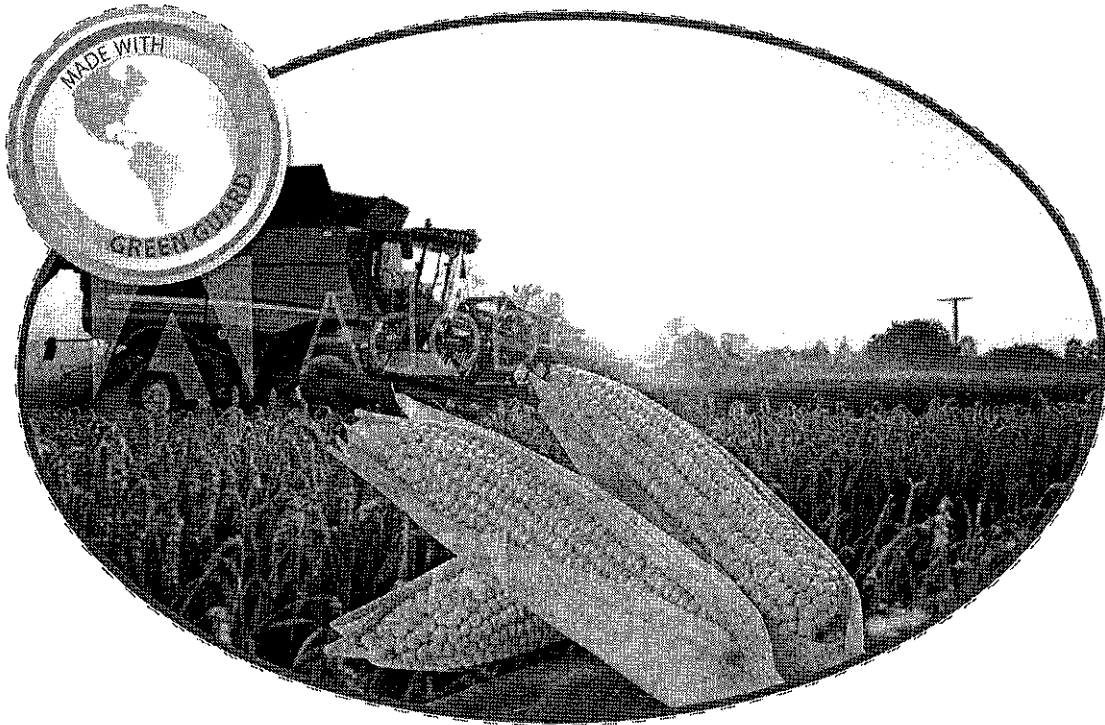
Date 8/3/2022

ENHANCED WITH CMA

100% NATURAL

SUGAR MAGTM

ALL-NATURAL ICE MELTER



- ▶ Environmentally friendly
- ▶ Safer for kids and pets
- ▶ Pink color for enhanced visibility
- ▶ Effective to temperatures below 0 degrees
- ▶ A less corrosive De-Icer

MADE WITH CORN-BASED AGRICULTURAL SUGARS

Net Wt. 50 LB / 22.68 KG

ENHANCED WITH CMA
100% NATURAL
**SUGAR
MAG™**
ALL-NATURAL ICE MELTER

**A SAFER ICE MELT USING
SUGAR MAG**



Safer to Handle

**A SAFER ICE MELT USING
SUGAR MAG**

SUGAR MAG

Environmentally Friendly

- Safer on Vegetation, Concrete, Metals

Application Friendly

- Safer - No Protective Clothing Required

Non-Toxic

- Safer for Children & Pets

Concentrated for High Yield

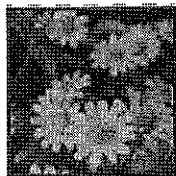
- 100% Active Ingredients
- Granulated for Fine Dispersal

Anti-Caking Agent

- Long Shelf Life

Non-Tracking

- Safe on Floors & Carpets
- Safe on Leather & Footwear



Vegetation Friendly

**UN USO MÁS SEGURO DE ICE MELT
SUGAR MAG**

SUGAR MAG

Ecológico

- Más seguro para la vegetación, el concreto y los metales

Fácil utilización

- Más seguro: no se requiere indumentaria protectora

No es tóxico

- Más seguro para niños y mascotas

Concentrado para un alto rendimiento

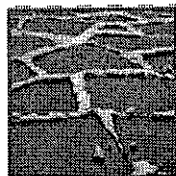
- 100% de ingredientes activos
- Granulado para una fina dispersión

Agente antiapelmazante

- Duración de almacenamiento ilimitada

No deja marcas

- Seguro en pisos y alfombras
- Seguro en cuero y calzados



Less Harmful to Concrete, Pavers and Footwear



Easy Dispersion



Note: Using any ice melter product on poor quality concrete may cause flaking or lines. Not recommended for use on concrete less than 2 years old or that was not properly mixed, finished, or cured. For foot, plant and other industrial use, avoid contamination of food in the application and storage of this product. Do not use on food contact surfaces.

Nota: La utilización de cualquier producto para derretir hielo en concreto de mala calidad puede causar separación en forma de escamas o líneas. No es recomendable su uso en concreto de menos de dos años o que no haya sido mezclado, terminado o curado correctamente. Evite la contaminación de los alimentos en la aplicación y almacenamiento de este producto en alimentos, plantas u otro uso industrial. No lo utilice en superficies que estén en contacto con alimentos.

The Manufacturer or seller of this product does not express or imply any warranty concerning the use of this product other than for the purposes indicated on the label. Manufacturer or seller is not liable for any injury or damage caused by improper use or handling of this product, including any application not described or recommended on package label. If personal or property damage caused by the use of this product occurs, purchaser expressly agrees that his sole and exclusive remedy against the manufacturer and seller will be to return the unused portion of this product and receive a refund for the purchase price.

El fabricante o el vendedor de este producto no expresa o implica ninguna garantía con respecto al uso de este producto que no sean los fines especificados en la etiqueta. Ni el fabricante ni el vendedor son responsables de ninguna lesión o daño causado por el uso o manejo incorrectos de este producto, que incluya cualquier aplicación que no esté descrita o recomendada en la etiqueta del paquete. Si hubiera algún daño personal o a la propiedad causados por el uso de este producto, el comprador acepta expresamente que su único y exclusivo recurso en contra del fabricante y el vendedor será devolver la porción no utilizada de este producto y recibir un reembolso por el precio de compra.

Made in USA and Manufactured by:
Hecho en los EE. UU. y fabricado por:



KEEP OUT OF REACH OF CHILDREN

MAY CONTAIN ONE OR MORE OF THE FOLLOWING ACTIVE INGREDIENTS: Sodium chloride, calcium chloride, potassium chloride and magnesium chloride. Avoid prolonged contact with skin. If swallowed give 1 or 2 glasses of water and call physician immediately. Do not induce vomiting unless directed to do so by medical personnel. SUGAR MAG contains a unique blend of high performance ice melting chemicals that, when combined, produce a superior ice melting product.

50lb / 22.7kg / 50 libras

A TREATED DE-ICER

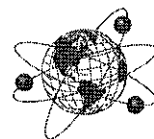
Sugar Mag is a treated salt De-Icer that has been developed to assist in de-icing driveways, walkways and other surfaces. Sugar Mag is less corrosive than rock salt, less damaging to vegetation and safer for pets because it is made with all natural ingredients which includes corn steeps. Sugar Mag is colored pink for visualization when applying it to the surface.

Directions for Use: Clear excess snow from surfaces to be treated. Sprinkle ($\frac{1}{4}$ to $\frac{1}{3}$ cup) of the Sugar Mag per square yard equally over the ice and melting should begin instantly. Sugar Mag can be applied prior to accumulation of snow or ice begins.

Indicaciones: Claro exceso de nieve de las superficies a tratar. Regadera ($\frac{1}{4}$ a $\frac{1}{3}$ taza) de la Mag azúcar por yarda cuadrada igualmente sobre el hielo y la fusión debe comenzar de inmediato. Azúcar Mag se puede aplicar antes de la acumulación de nieve o hielo comienza.

Caution: Although Sugar Mag is much safer than other brands, it may be harmful if ingested in large amounts. Can cause irritation of the eyes. If in eyes, immediately flush with water. Consult a physician if redness or irritation is severe or persists. May irritate skin. Wash hands thoroughly after use.

Precaución: A pesar de que Sugar Mag es mucho más seguro que otras marcas, puede ser peligroso si se ingiere en grandes cantidades. Puede causar irritación en los ojos. Si entra en contacto con los ojos, enjuáguese inmediatamente con agua. Consulte con un médico si el enrojecimiento o la irritación son severos o persistentes. Puede irritar la piel. Lávese bien las manos después de su uso.



**CHEMICAL
EQUIPMENT
LABS, INC.**



CHEMICAL EQUIPMENT LABS, INC
Sugar Mag™
Solid Commercial Deicer
Safety Data Sheet

Section 1: IDENTIFICATION

PRODUCT IDENTIFIER

Sugar Mag™
Solid Commercial Deicer

RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

Deicing/anti-icing highways, bridges, parking lots, and other pavements.

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Name/Address:	Chemical Equipment Labs, INC 3920 – A Providence Road Newtown Square, PA 19073
Contact Information:	Telephone: 610-497-9390 Email: ERM@CHEMICALEQUIPMENTLABS.COM Website: Chemicalequipmentlabs.com

EMERGENCY TELEPHONE NUMBER

CHEMTREC (800) 424-9300
Outside continental USA (703) 527-3887

Section 2: HAZARD(S) IDENTIFICATION

CLASSIFICATION ACCORDING TO OSHA HAZCOM 2012

Hazard Class	Not classified as hazardous
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LABEL ELEMENTS ACCORDING TO OSHA HAZCOM 2012

There are no OSHA required label elements for this product.

CLASSIFICATION ACCORDING TO WHMIS (Canada)

Hazard Class	Not controlled
WHMIS Hazard Symbols	Not applicable
WHMIS Signal Word	Not applicable

POTENTIAL HEALTH EFFECTS

Eye Contact	May cause temporary eye irritation. Corneal injury is unlikely.
Skin Contact	Repeated contact may cause slight skin irritation or dry skin.
Inhalation	may cause irritation or coughing.
Ingestion	Ingestion of large quantities may cause nausea, vomiting, diarrhea and abdominal discomfort.
Effects of repeated exposure	No effects other than described above are expected.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

COMPOSITION: Sugar Mag™ is a blend of five ice melting chemicals.

MIXTURES

Ingredient	CAS No	Wt. %
Sodium Chloride	7647-14-5	Proprietart
Magnesium Chloride	7791-18-6	Proprietary
CMA – Calcium Magnesium Acetate	76123-46-1	Proprietary
Potassium Acetate	127- 08-2	Proprietary
Agricultural Based Corrosion Inhibitor	66071-94-1	Proprietary
Color Indicator	NA	Proprietary

Section 4: FIRST-AID MEASURES

DESCRIPTION OF FIRST AID MEASURE

Eye In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, seek medical attention.

Skin As a precaution, wash skin thoroughly with soap and water. Remove and wash contaminated clothing.

Inhalation If inhaled, move to fresh are and get medical advice.

Ingestion If swallowed, give mil or water to drink and telephone for medical advice. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

MOST IMPORTANT SYMPTIOMS / EFFECTS

Eye May cause eye irritation. Symptoms may include temporary discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Skin As a precaution, wash skin thoroughly with soap and water. Remove and wash contaminated clothing.

Inhalation Inhalation of dust during handling may cause respiratory tract irritation and coughing.

Ingestion Ingestion of large quantities may cause nausea, vomiting, diarrhea and abdominal discomfort.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT

Specific treatments If you fell unwell, seek medical advice immediately. Show the label or safety data sheet to medical personnel if possible.

Section 5: FIRE FIGHTING MEASURES

FLAMMABILITY

Flash Point (close up) Nonflammable by OSHA/WHMIS criteria

Auto Ignition Not applicable

EXTINGUISHING MEDIA

Suitable Extinguishing Media Water, carbon dioxide, or dry chemical. Use extinguishing media appropriate for surrounding materials.

Unsuitable Extinguishing Media Not applicable

SPECIAL HAZARDS

Hazardous Combustion Products Normal combustion forms carbon dioxide and water

Explosion Limits Data not available. Not considered to be explosion hazard.

Unusual Fire Hazard None expected

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Special Protective Equipment for Firefighters

Wear NIOSH approved self-contained breathing apparatus (SCBA) with positive air pressure.

Section 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

Avoid eye/skin contact with spilled material. Refer to Section 7 for additional handling precautions

Methods for Containment If material is dissolved, contain and/or absorb spill with inert material (e.g. sawdust, sand, vermiculite).

Methods for Cleaning-UP Scoop up material and transfer to disposal container. If needed, wash spillage area with plenty of water.

Section 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Handling Avoid eye contact. Avoid breathing dust when handling.

PRECAUTIONS FOR SAFE STORAGE, INCLUDING ANY COMPATIBILITIES

Storage Store in tightly sealed original containers, away from direct heat and strong oxidizing agents. Do not store or handle product in systems constructed of wetted parts consisting of galvanized steel, zinc, or brass components.

Prepared According to the OSHA Hazard Communication Standard (29 CFR 1910.1200)

By Chemical Equipment Labs, Inc.

September 15, 2019

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Section 8: CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS

TWA PEL:

No specific limits have been established for this product. As a guideline, OSHA (United States) has established the following limits which are generally recognized for inert or nuisance dust. Particulates Not Otherwise Regulated (PNOR): 8-hour TWA of 15mg/m³ (total particulate) and 5 mg/m³ (respirable fraction).

TWA TLV:

No specific limits have been established for this product. As a guideline, ACGIH (United States) has established the following limits which are generally recognized for inert or nuisance dust. Particulates (insoluble) Not Otherwise Classified (PNOC): 8- Hour TWA limits of 10 mg/m³ (as total dust) and 3 mg/m³ (as respirable)

EXPOSURE CONTROLS

Engineering Controls

No special ventilation is usually necessary; however if operating conditions create high concentration of this material, special ventilation may be needed to keep exposure to airborne contaminants below the exposure limit.

INDIVIDUAL PROTECTIVE MEASURES/PERSONAL PROTECTIVE EQUIPMENT

Eye Protection

Safety glasses or goggles are recommended if eye exposure to product or dust is possible.

Skin Protection

Chemical-resistant gloves and clothing should be used if prolonged exposure is possible to prevent drying of skin.

Respiratory Protection

Breathing of dust should be avoided. If operating conditions create high airborne concentrations of this material, the use of an approved respirator is recommended.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Pink Crystals
ODOR	Odorless
ODOR THRESHOLD	No data available
Ph (20°C, 68°F)	8-10 (10% aqueous solution)
MELTING POINT	Decomposes
BOILING POINT	Not applicable
FLASH POINT	Not applicable
EVAPORATION RATE	No data available
FLAMMABILITY/EXPLOSION LIMITS	Not applicable
VAPOR PRESSURE (20°C)	Not applicable
VAPOR DENSITY (AIR = 1)	Not applicable
RELATIVE DENSITY	No data available
SOLUBILITY IN WATER	Partially soluble
PARTITION COEFFICIENT; n-OCTANOL/WATER	No data available
AUTO-IGNITION TEMPERATURE	No data available
DECOMPOSITION TEMPERATURE	No data available
VISCOSITY (20°C)	Not applicable
OXIDIZING PROPERTIES	Not oxidizing
EXPLOSIVE PROPERTIES	Not explosive

Section 10: STABILITY AND REACTIVITY

REACTIVITY

No dangerous reactions known under conditions of normal use.

CHEMICAL STABILITY

Stable. Polymerization will not occur.

POSSIBILITY OF HAZARDOUS REACTIONS

Avoid prolonged contact with reactive metals such as magnesium and zinc, especially in closed systems where hydrogen gas from the oxidation of these materials may accumulate over time.

INCOMPATIBLE MATERIALS

Strong oxidizing agents; strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS

May decompose into oxides of carbon.

Section 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

LD50 rat-oral: 300 mg/kg

LC50 rat-inhalation: >5000 mg/m³

LD50 rat-dermal: >5000 mg/kg

Dermal irritation rabbit: Non-irritating

Ocular irritation rabbit: Moderate redness/discharge and some swelling of iris at 1 hr.; insignificant signs of irritation at 24 hr.; all signs cleared at 72 hr.

Sub-chronic oral: No effects after 28 consecutive days dosing at 100 mg/kg/day.

LIKELY ROUTES OF EXPOSURE

Skin contact, eye contact, ingestion

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL, AND TOXICOLOGICAL CHARACTERISTICS

Eye	May cause eye irritation. Symptoms may include temporary discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Skin	May cause itching or irritation of any cut or abraded skin. Symptoms of prolonged contact may include dry skin.
Inhalation	Inhalation of dust during handling may cause respiratory tract irritation and coughing. This product is not otherwise expected to be an inhalation hazard.
Ingestion	Ingestion of large quantities may cause nausea, vomiting, diarrhea and abdominal discomfort.

DELAYED AND IMMEDIATE EFFECTS AND CHRONIC EFFECTS FROM SHORT- AND LONG-TERM EXPOSURE/NUMERICAL MEASURES OF TOXICITY

Skin Corrosion/Irritation	Based on available data, the classification criteria are not met.
Serious Eye Damage/Irritation	Based on available data, the classification criteria are not met.
Respiratory or Skin Sensitization	Based on available data, the classification criteria are not met.
Germ Cell Mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	This product does not contain any ingredients that are considered to be carcinogens by IARC, NTP, or OSHA.
Reproductive Toxicity	Based on available data, the classification criteria are not met.
STOT-Single Exposure	Based on available data, the classification criteria are not met.
STOT-Repeated Exposure	Based on available data, the classification criteria are not met.
Aspiration Hazard	Based on available data, the classification criteria are not met.

Section 12: ECOLOGICAL INFORMATION

ECOTOXICITY (AQUATIC AND TERRESTRIAL)

Not expected to cause long-term adverse effects in the aquatic or terrestrial environments.

PERSISTENCE AND DEGRADABILITY

Readily biodegradable. COD (TOD): 0.75 g O₂/g deicer; BOD₂₀ (2°C): 0.40 g O₂/g deicer, BOD₂₀ (10°C): 0.67

BIOACCUMULATIVE POTENTIAL

Bioaccumulation is not expected.

Prepared According to the OSHA Hazard Communication Standard (29 CFR 1910.1200)

By Chemical Equipment Labs, Inc.

September 15, 2019

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Section 13: DISPOSAL CONSIDERATIONS

WASTE TREATMENT AND METHODS OF DISPOSAL

Based on available information, this product is neither listed as a hazardous waste nor does it exhibit any of the characteristics that would cause it to be classified as a characterized waste under RCRA. This product may be absorbed onto suitable materials and disposed of in a sanitary landfill unless local, state, or provincial regulations prohibit such disposal.

Section 14: TRANSPORT INFORMATION

TRANSPORT INFORMATION

Not regulated as dangerous goods per US DOT or IATA.

Section 15: REGULATORY INFORMATION

INVENTORY LISTS

All of the components in this product are on the following inventory lists: USA (TSCA), Canada (DSL/NDSL), Europe (EINECS)

TSCA SECTION 12(b)

None of these chemicals in this are listed under TSCA Section 12(b).

CERCLA HAZARDOUS SUBSTANCES

There is no CERCLA Reportable Quantity for this material

SARA 311 CATEGORIES

Immediate (Acute) Health Hazard:	Yes
Delayed (Chronic) Health Hazard:	No
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactivity Hazard:	No

SARA 313

None of the components in this product are subject to reporting under SARA Section 313.

CLEAN WATER ACT

None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

STATE RIGHT-TO-KNOW

This product does not contain components at levels which are required to be reported under the statutes of the following: PA, MA, MN, and NJ.

This product does not contain materials known to the State of California (Proposition 65) to cause cancer and/or reproductive harm at levels which would require a warning under the statute.

NFPA 704	
Health	1
Fire	0
Physical Hazard	0
Hazard Rating: 0-4 0-least hazardous; 4-most hazardous	

HMIS – Hazardous Materials Identification System	
Health	1
Fire	0
Physical Hazard	0
Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = serious, 4 = severe	

Section 16: OTHER INFORMATION**SDS REVISION DATE**

Revision date: September 15, 2016

Expiration date: September 15, 2019

Latest version of this SDS can be obtained from Chemical Equipment Labs, Inc.

NOTE TO EMPLOYER

This Safety Data Sheet contains environmental, health and toxicology information for your employees. Please ensure this information is provided to them. It also contains information to help you meet community right-to-know/emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this SDS must be given to the buyer or the information incorporated in your SDS. Discard any previous edition of this SDS.

DISCLAIMER

The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use or misuse are beyond our control, Chemical Equipment Labs, Inc. makes no warranty, either express or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for the reliance thereon. Chemical Equipment Labs, Inc. assumes no responsibility for any injury or loss resulting from the use of the product described herein. User should satisfy himself that he has all current data relevant to his particular use.

End of Safety Data Sheet

Prepared According to the OSHA Hazard Communication Standard (29 CFR 1910.1200)
By Chemical Equipment Labs, Inc.

September 15, 2019

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