Bone Dry Corrosion Inhibitor

The English version is the controlling document.

SECTION 1: Identification

Product Identifier

Product Name: Bone Dry Corrosion Inhibitor

Recommended Use of the Product and Restriction on Use

Relevant Identified Uses: Concrete Admixture
Uses Advised Against: Not recommended for use in acid systems.
Reasons Why Uses Advised Against: Not determined or not applicable.

Manufacturer or Supplier Details

Manufacturer:
United States
Bone Dry Products, Inc.
9009 58th Place
Kenosha, WI 53144, USA
262-694-9748
james@bonedryproducts.com
bonedryproducts.com
Canadian supplier identifier: Bone Dry Products, Inc., 9009 58th Place, Kenosha, WI 53144, USA, 262-694-9748
Mexican importer/distributor: Bone Dry Products, Inc., 9009 58th Place, Kenosha, WI 53144, USA, 262-694-9748

Emergency Telephone Number:

262-694-9748 (Bone Dry Products, Inc., 9009 58th Place, Kenosha, WI 53144, USA; business hours)

SECTION 2: Hazard(s) Identification

GHS Classification:

Reproductive toxicity, category 1B
Specific target organ toxicity - repeated exposure, category 1

Classified in accordance with 29 CFR 1910.1200, the Canadian Hazardous Products Regulations (SOR/2015-17) and NOM-018-STPS-2015.

Label elements

Hazard Pictograms:



Signal Word: Danger

Hazard statements:

H372 Causes damage to organs (thyroid gland) through prolonged or repeated oral exposure
H360 May damage fertility or the unborn child

Precautionary Statements:

P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P260 Do not breathe dust, fumes, gas, mist, vapors or spray
P264 Wash any exposed skin thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P280 Wear protective gloves, protective clothing and eye protection
P314 Get medical advice and attention if you feel unwell
P318 IF exposed or concerned, get medical advice
P405 Store locked up
P501 Dispose of contents and container in accordance with federal, state and local regulations

Hazards Not Otherwise Classified: None

SECTION 3: Composition/Information on Ingredients

Identification	Name	Weight %

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Identification	Name	Weight %
CAS Number: 26038-87-9	Monoethanolamine borate (MEA borate)	60-80 †
CAS Number: Trade Secret	Proprietary Ingredient	1-20

Additional Information:

† The actual concentration of this ingredient is withheld as a trade secret; the range shown is a concentration range permitted by the Hazardous Products Regulations (SOR/2015-17), s. 4.4.1. United States: exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200(i). For the ingredients listed as “CAS Number: Trade Secret”, the specific chemical identity and/or exact percentage is withheld as confidential business information (CBI); United States: trade secret claimed under 29 CFR 1910.1200(i).

SECTION 4: First Aid Measures

Description of First Aid Measures

General Notes:

Show this Safety Data Sheet to the doctor in attendance.

After Inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If symptoms develop or persist, seek medical advice/attention.

After Skin Contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention.

After Eye Contact:

Rinse eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention.

After Swallowing:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

Most Important Symptoms and Effects, Both Acute and Delayed

Acute Symptoms and Effects:

No significant acute effects/symptoms.

Delayed Symptoms and Effects:

Causes damage to thyroid gland through prolonged or repeated oral exposure. Effects are dependent on exposure (dose, concentration, contact time).

Exposure may damage fertility or the unborn child. Symptoms include, but are not limited to menstrual problems, altered sexual behavior, decreased fertility, adverse pregnancy outcome, intrauterine growth retardation, pre-term birth, birth defects and postnatal death.

Immediate Medical Attention and Special Treatment

Specific Treatment:

Not determined or not applicable.

Notes for the Doctor:

Treat symptomatically.

SECTION 5: Firefighting Measures

Extinguishing Media

Suitable Extinguishing Media:

Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

Unsuitable Extinguishing Media:

Do not use water jet.

Specific Hazards During Fire-Fighting:

Theremal decomposition may produce irritating and toxic fumes/gases including carbon oxides, nitrogen oxides, potassium oxides and iodine vapor.

Special Protective Equipment for Firefighters:
Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode.

Special precautions:
Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts. Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers. Avoid unnecessary run-off of extinguishing media which may cause pollution.

SECTION 6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures:
Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Avoid contact with skin, eyes and clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling.

Environmental Precautions:
Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

Methods and Material for Containment and Cleaning Up:
Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

Reference to Other Sections:
For personal protective equipment see Section 8. For disposal see Section 13.

SECTION 7: Handling and Storage

Precautions for Safe Handling:
Use appropriate personal protective equipment (see Section 8). Do not allow pregnant women to handle or use this product. Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

Conditions for Safe Storage, Including Any Incompatibilities:
Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

SECTION 8: Exposure Controls/Personal Protection

Only those substances with limit values have been included below.

Occupational Exposure Limit Values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Proprietary Ingredient	Trade Secret	8-Hour TWA: 0.01 mg/m³ (Iodides, inhalable fraction and vapor, as iodine)

Biological Limit Values:
No biological exposure limits noted for the ingredient(s).

Information on Monitoring Procedures:
Not determined or not applicable.

Appropriate Engineering Controls:
Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

Personal Protection Equipment

Eye and Face Protection:
Safety glasses or goggles. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

Skin and Body Protection:
Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and

should be approved by a specialist before handling this product. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

Respiratory Protection:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn.

General Hygienic Measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

SECTION 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Appearance	Transluecent,Yellow Liquid
Odor	Slight
Odor threshold	Not determined or not available.
pH	9 to 10
Melting point/freezing point	32°F, 0°C
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	Not determined or not available.
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	1.24
Relative density	Not determined or not available.
Solubilities	Soluble in water
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

SECTION 10: Stability and Reactivity

Reactivity:

Not reactive under recommended handling and storage conditions.

Chemical Stability:

Stable under recommended handling and storage conditions.

Possibility of Hazardous Reactions:

Hazardous reactions are not anticipated under recommended conditions of handling and storage.

Conditions to Avoid:

Extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

Incompatible Materials:

Strong acids, oxidizing agents, strong alkalis

Hazardous Decomposition Products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological Information

Acute Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

Substance Data:

Name	Route	Result
Monoethanolamine borate (MEA borate)	oral	LD50 Rat: >2000 mg/kg
	dermal	LD50 Rat: >2000 mg/kg

Bone Dry Corrosion Inhibitor

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Name	Route	Result
Proprietary Ingredient	oral	LD50 Rat: 2500 mg/kg
	dermal	LD50 Rat: > 2000 mg/kg

Skin Corrosion/Irritation

Assessment: Based on available data, the classification criteria are not met.
Product Data:
No data available.
Substance Data: No data available.

Serious Eye Damage/Irritation

Assessment: Based on available data, the classification criteria are not met.
Product Data:
No data available.
Substance Data: No data available.

Respiratory or Skin Sensitization

Assessment: Based on available data, the classification criteria are not met.
Product Data:
No data available.
Substance Data: No data available.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.
Product Data: No data available.
Substance Data: No data available.
International Agency for Research on Cancer (IARC): None of the ingredients are listed.
National Toxicology Program (NTP): None of the ingredients are listed.
OSHA Carcinogens: Not applicable

Germ Cell Mutagenicity

Assessment: Based on available data, the classification criteria are not met.
Product Data:
No data available.
Substance Data: No data available.

Reproductive Toxicity

Assessment:
May damage fertility or the unborn child.
Product Data:
No data available.
Substance Data:

Name	Result
Monoethanolamine borate (MEA borate)	May damage fertility or the unborn child.

Specific Target Organ Toxicity (Single Exposure)

Assessment: Based on available data, the classification criteria are not met.
Product Data:
No data available.
Substance Data: No data available.

Specific Target Organ Toxicity (Repeated Exposure)

Assessment:
Causes damage to organs through prolonged or repeated exposure.
Product Data:
No data available.
Substance Data:

Name	Result
Proprietary Ingredient	Causes damage to thyroid gland through prolonged or repeated oral exposure.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data: No data available.

Information on Likely Routes of Exposure:

Inhalation; Ingestion; Skin Contact; Eye Contact

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics:

Refer to Section 4 of this SDS.

Other Information:

No data available.

SECTION 12: Ecological Information

Acute (Short-Term) Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

Substance Data:

Name	Result
Monoethanolamine borate (MEA borate)	Aquatic Plants EC50 Pseudokirchneriella subcapitata: 26 mg/L (72 hr [growth rate]) Fish LC50 Danio rerio: >= 100 mg/L (96 hr) Aquatic Invertebrates EC50 Daphnia magna: 423 mg/L (48 hr [mobility])
Proprietary Ingredient	Fish LC50 Oncorhynchus mykiss: 3780 mg/L (96 hr) Aquatic Invertebrates EC50 Daphnia magna: 7.5 mg/L (48 hr [mobility]) Aquatic Plants EC50 Scenedesmus quadricauda: 2370 mg/L (7 d [biomass])

Chronic (Long-Term) Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

Substance Data: No data available.

Persistence and Degradability

Product Data: No data available.

Substance Data:

Name	Result
Monoethanolamine borate (MEA borate)	The substance is readily biodegradable. 69% degradation in water, measured by CO2 evolution, after 28 days.
Proprietary Ingredient	Biodegradation studies are not applicable to inorganic substances.

Bioaccumulative Potential

Product Data: No data available.

Substance Data:

Name	Result
Monoethanolamine borate (MEA borate)	The substance has a low potential for bioaccumulation based on log Kow <=3.
Proprietary Ingredient	The substance is not expected to bioaccumulate (log Kow <=3).

Mobility in Soil

Product Data: No data available.

Substance Data:

Name	Result
Monoethanolamine borate (MEA borate)	The substance is mobile, therefore, there is low potential for adsorption to soil and sediment (Log Koc: 1.26).
Proprietary Ingredient	The substance is mobile, therefore, there is low potential for adsorption to soil and sediment (Log Koc: 13.2).

Results of PBT and vPvB assessment

Product Data:

PBT assessment: This product does not contain any substances that are assessed to be a PBT.

vPvB assessment: This product does not contain any substances that are assessed to be a vPvB.

Bone Dry Corrosion Inhibitor

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Substance Data:

PBT assessment:

Monoethanolamine borate (MEA borate)	The substance is not PBT.
Proprietary Ingredient	PBT assessment does not apply to inorganic substances.

vPvB assessment:

Monoethanolamine borate (MEA borate)	The substance is not vPvB.
Proprietary Ingredient	vPvB assessment does not apply to inorganic substances.

Other Adverse Effects: No data available.

SECTION 13: Disposal Considerations

Disposal Methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory agencies. Dispose of in accordance with all applicable local, regional, state and federal regulations.

Contaminated packages:

Not determined or not applicable.

SECTION 14: Transport Information

United States Transportation of Dangerous Goods (49 CFR DOT)

UN Number	Not regulated
UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None
Special Precautions for User	None

International Maritime Dangerous Goods (IMDG)

UN Number	Not regulated
UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None
Special Precautions for User	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN Number	Not regulated
UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None
Special Precautions for User	None

Canada Transportation of Dangerous Goods Regulations (TDG) and Mexico NOM-002-SCT

Not regulated under TDG / NOM-002-SCT.

SECTION 15: Regulatory Information

United States Regulations

Inventory Listing (TSCA): All ingredients are listed-active or exempt.
Significant New Use Rule (TSCA Section 5): None of the ingredients are listed.
Export Notification under TSCA Section 12(b): None of the ingredients are listed.
SARA Section 302 Extremely Hazardous Substances: None of the ingredients are listed.
SARA Section 313 Toxic Chemicals: None of the ingredients are listed.
CERCLA: None of the ingredients are listed.
RCRA: None of the ingredients are listed.
Section 112(r) of the Clean Air Act (CAA): None of the ingredients are listed.
Massachusetts Right to Know: None of the ingredients are listed.
New Jersey Right to Know: None of the ingredients are listed.
New York Right to Know: None of the ingredients are listed.

Pennsylvania Right to Know: None of the ingredients are listed.
California Proposition 65: None of the ingredients are listed.
Additional information: Not determined.

Canada and Mexico
Canada (DSL/NDSL): Not determined.
Mexico: Not determined.

SECTION 16: Other Information

Abbreviations and Acronyms: CAS: Chemical Abstracts Service; GHS: Globally Harmonized System of Classification and Labelling of Chemicals; HMIS: Hazardous Materials Identification System; NFPA: National Fire Protection Association; OSHA: Occupational Safety and Health Administration; PBT: persistent, bioaccumulative and toxic; vPvB: very persistent and very bioaccumulative; TDG: Transportation of Dangerous Goods (Canada); TSCA: Toxic Substances Control Act; WHMIS: Workplace Hazardous Materials Information System; TWA: time-weighted average; STEL: short-term exposure limit; PEL: permissible exposure limit; REL: recommended exposure limit; IDLH: immediately dangerous to life or health; LD50/LC50: median lethal dose/concentration; EC50: median effective concentration; NOEC: no observed effect concentration; BCF: bioconcentration factor; Koc: organic carbon partition coefficient.

Disclaimer:
This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal 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, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

Initial Preparation Date: 06.18.2024
Revision date: 2026-10-20 · Supersedes: 06.18.2024 · Version 2.1
Revision note (2026-10-12):

Section 1: supplier block updated to Bone Dry Products, Inc., 9009 58th Place, Kenosha, WI 53144, USA, 262-694-9748, james@bonedryproducts.com, bonedryproducts.com; Canadian supplier identifier and Mexican importer/distributor entries added; emergency telephone number entry added (resolved 2026-10-20).
Header/footer: revision date, supersedes date, version and page numbering added.
Section 2: classification basis statement added (29 CFR 1910.1200, Canadian Hazardous Products Regulations SOR/2015-17, NOM-018-STPS-2015); hazard classes, categories, pictograms, signal word and hazard statements unchanged.
Section 2: precautionary statement P308+P313 ("IF exposed or concerned: Get medical advice/attention") updated to the UN GHS Rev. 9 equivalent P318 ("IF exposed or concerned, get medical advice"); no other precautionary code changed.
Section 3: OSHA trade-secret statement replaced by a Canadian confidential business information (HMIRA) statement; ingredient names and concentration ranges unchanged.
Section 3: CBI claim statement added (2026-10-12).
Section 8: US exposure limits unchanged; Canadian provincial and Mexican (NOM-010-STPS) limits not listed.
Section 14: Canada (TDG) and Mexico (NOM-002-SCT) transport status added.
Section 15: Canada (DSL/NDSL) and Mexico regulatory status entries added.
Section 16: this revision note added.
Rev 2026-10-20 (Version 2.1): Section 1 emergency telephone number set to 262-694-9748 (Bone Dry Products, Inc.); provider entry removed; Canadian supplier identifier and Mexican importer/distributor identified as Bone Dry Products, Inc., 9009 58th Place, Kenosha, WI 53144, USA, 262-694-9748; header/footer and Section 16 revision date and version updated to Rev 2026-10-20 (Version 2.1). No change to classification, composition, physical data, first-aid, hazard or transport information.
Section 3: ingredient identity disclosed (2026-10-20)
Sections 11/12: substance named as Monoethanolamine borate (MEA borate), consistent with Section 3 (2026-10-20)
Section 3: monoethanolamine borate concentration shown as the prescribed range 60-80 (2026-10-20)
Issued 2026-11-05: Version 2.1 released. Draft markings, reviewer notes and open placeholders removed. Where Canadian or Mexican regulatory data were not available the status is stated as not determined (Section 15); Canadian provincial and Mexican exposure limits are not listed (Section 8). Section 1: duplicate emergency-telephone entries consolidated into one. No change to classification, composition, physical data, first-aid, hazard or transport information. The English version is the controlling document.

End of Safety Data Sheet