SECTION 1: Identification

Product Identifier

Product Name: Bone Dry EM Coating

Recommended Use of the Product and Restriction on Use

Relevant Identified Uses: Surface sealer

Uses Advised Against: Any use other than recommended above.

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: Not a hazardous substance or mixture

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: None

Signal Word: None

Hazard statements: None

Precautionary Statements: None

Hazards Not Otherwise Classified: None

SECTION 3: Composition/Information on Ingredients

Identification	Name	Weight %
CAS Number: Trade Secret	Acrylic polymer	20-30
CAS Number: 64-19-7	Acetic Acid	<1
CAS Number: 104-76-7	2-ethylhexan-1-ol	<0.5
CAS Number: 64-18-6	Formic acid	<0.1

Additional Information:

The specific chemical identity and/or exact percentage of this ingredient is withheld as confidential business information (CBI). United States: specific chemical identity withheld as a trade secret in accordance with 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. If respiratory symptoms develop or persist, seek medical advice/attention.

After Skin Contact:
Wash affected area with plenty of soap and water. Remove contaminated clothing and launder before reuse. If skin irritation develops or persists, seek medical advice/attention.

After Eye Contact:
Immediately rinse eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes. If eye irritation develops or persists, 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:
No significant delayed effects/symptoms.

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:
Thermal decomposition may produce irritating and toxic fumes including carbon monoxide and carbon dioxide.

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:
Stop leak if you can do it without risk. Absorb spillage with sand or compatible absorbent material 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). 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.

Avoid mixing with anionic or high pH materials to prevent precipitation.

Conditions for Safe Storage, Including Any Incompatibilities:

Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. Do not freeze. 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	Acetic Acid	64-19-7	8-Hour TWA: 10 ppm
	Acetic Acid	64-19-7	15-Minute STEL: 15 ppm
	Formic acid	64-18-6	8-Hour TWA: 5 ppm (TLV-TWA)
	Formic acid	64-18-6	15-Minute STEL: 10 ppm (TLV-STEL)
	2-ethylhexan-1-ol	104-76-7	8-Hour TWA: 5 ppm
NIOSH	Acetic Acid	64-19-7	REL: 25 mg/m³ (10 ppm [for up to a 10-hour workday during a 40-hour workweek])
	Acetic Acid	64-19-7	STEL: 37 mg/m³ (15 ppm)
	Acetic Acid	64-19-7	IDLH: 50 ppm
	Formic acid	64-18-6	REL-TWA: 9 mg/m³ (5 ppm [up to 10 hr])
	Formic acid	64-18-6	IDLH: 30 ppm
OSHA	Acetic Acid	64-19-7	8-Hour TWA-PEL: 25 mg/m³ (10 ppm)
	Formic acid	64-18-6	8-Hour TWA-PEL: 9 mg/m³ (5 ppm)
United States(California)	Acetic Acid	64-19-7	8-Hour TWA: 25 mg/m³ (10 ppm)
	Acetic Acid	64-19-7	15-Minute STEL: 37 mg/m³ (15 ppm)
	Acetic Acid	64-19-7	Ceiling Limit: 40 ppm
	Formic acid	64-18-6	8-Hour TWA-PEL: 9 mg/m³ (5 ppm)
	Formic acid	64-18-6	15-Minute STEL: 19 mg/m³ (10 ppm)

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	Translucent, Yellow Liquid
Odor	Mild
Odor threshold	Not determined or not available.
pH	6
Melting point/freezing point	0 - 100 °C (32 - 212 °F)
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	Not determined or not available.
Relative density	1.03
Solubilities	Not determined or not available.
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.

Other Information

VOC content	<0.5 mg/m

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:
Freezing, extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

Incompatible Materials:
Anionic and high pH materials. Mixing with anionic and high pH materials can cause precipitation.

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
Acetic Acid	oral	LD50 rat: 3310 mg/kg
	inhalation	LC50 rat: 11.4 mg/L (4 hr [vapor])
Formic acid	oral	LD50 Rat: 730 mg/kg
	inhalation	LC50 Rat: 7.85 mg/L (4 hr [vapor])
	dermal	LD50 Rat: > 2000 mg/kg
2-ethylhexan-1-ol	inhalation	LC50 Rat: >0.89 mg/L (4 hr - Aerosol)
	dermal	LD50 Rabbit: >2060 mg/kg
	oral	LD50 Rat: 2047 mg/kg

Skin Corrosion/Irritation

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

Name	Result
Acetic Acid	Causes severe skin burns.
Formic acid	Causes severe skin burns.
2-ethylhexan-1-ol	Causes skin irritation.

Serious Eye Damage/Irritation

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

Name	Result
Acetic Acid	Causes serious eye damage.
Formic acid	Causes serious eye damage.
2-ethylhexan-1-ol	Causes serious eye irritation.

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

Specific Target Organ Toxicity (Single Exposure)

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

Name	Result
2-ethylhexan-1-ol	May cause respiratory irritation.

Specific Target Organ Toxicity (Repeated Exposure)

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

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:
No significant acute or delayed adverse effects or symptoms.

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
Acetic Acid	Fish LC50 Oncorhynchus mykiss: > 300.82 mg/L (96 hr)
	Aquatic Invertebrates EC50 Daphnia magna: > 300.82 mg/L (48 hr)
	Aquatic Plants EC50 Skeletonema costatum: > 300.82 mg/L (72 hr)
Formic acid	Fish LC50 Danio rerio: 130 mg/L (96 hr [mortality])
	Aquatic Invertebrates EC50 Daphnia magna: 365 mg/L (48 hr [mobility] read across)
2-ethylhexan-1-ol	Fish LC50 Leuciscus idus: 17.1 mg/L (96 hr)
	Aquatic Invertebrates EC50 Daphnia magna: 39 mg/L (48 hr [mobility])
	Aquatic Plants EC50 Scenedesmus subspicatus.: 11.5 mg/L (72 hr [biomass])

Chronic (Long-Term) Toxicity

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

Name	Result
Formic acid	Aquatic Invertebrates NOEC Daphnia magna: 100 mg/L (21 d)
2-ethylhexan-1-ol	Fish LC50 Oncorhynchus mykiss: 24 mg/L (120 hr)

Persistence and Degradability

Product Data: No data available.
Substance Data:

Name	Result
Acetic Acid	This substance is readily biodegradable in water (96% degradation seen in non-acclimated freshwater study after 20 days).
Formic acid	This substance is readily biodegradable in water (95% degradation after 28 days, O2 consumption, read across).
2-ethylhexan-1-ol	Readily biodegradable (100% degradation after 2 weeks).

Bioaccumulative Potential

Product Data: No data available.
Substance Data:

Name	Result
Acetic Acid	Accumulation in organisms is not to be expected (BCF: 3.16 dimensionless).
Formic acid	Accumulation in organisms is not to be expected (BCF: 3.2).
2-ethylhexan-1-ol	Substance has low potential for bioaccumulation (log Kow: 2.730).

Mobility in Soil

Product Data: No data available.
Substance Data:

Name	Result
Acetic Acid	This substance is highly mobile; therefore, adsorption to soil is not expected (Koc: 1.153, QSAR).
Formic acid	This substance is mobile; therefore, adsorption to soil is not expected (Koc: 31).
2-ethylhexan-1-ol	The substance is moderately mobile in soil with a moderate potential for adsorption to soil and sediment. Koc at 20 °C: 131.1

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.

Substance Data:

PBT assessment:

Acetic Acid	This substance is not PBT.
Formic acid	This substance is not PBT.
2-ethylhexan-1-ol	The substance is not PBT.

vPvB assessment:

Acetic Acid	This substance is not vPvB.
Formic acid	This substance is not vPvB.
2-ethylhexan-1-ol	The substance is not vPvB.

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) / 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:

64-18-6	Formic acid	Listed

CERCLA:

64-19-7	Acetic Acid	Listed	5000 lb
64-18-6	Formic acid	Listed	5000 lbs

RCRA:

64-18-6	Formic acid	Listed	U123

Section 112(r) of the Clean Air Act (CAA): None of the ingredients are listed.

Massachusetts Right to Know:

64-19-7	Acetic Acid	Listed
64-18-6	Formic acid	Listed
104-76-7	2-ethylhexan-1-ol	Listed

New Jersey Right to Know:

64-19-7	Acetic Acid	Listed
64-18-6	Formic acid	Listed

New York Right to Know:

64-19-7	Acetic Acid	Listed
64-18-6	Formic acid	Listed
104-76-7	2-ethylhexan-1-ol	Listed

Pennsylvania Right to Know:

64-19-7	Acetic Acid	Listed
64-18-6	Formic acid	Listed
104-76-7	2-ethylhexan-1-ol	Listed

California Proposition 65: None of the ingredients are listed.

Additional information: Not determined.

Canadian Regulations

Canada (DSL/NDSL): Not determined.

Mexican Regulations

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.

Revision 2026-10-12 (Version 2.0) — changes from the SDS dated 09.02.2022 (source date as printed):

1. Section 1: supplier block corrected to Bone Dry Products, Inc., 9009 58th Place, Kenosha, WI 53144, USA; supplier contact e-mail updated to james@bonedryproducts.com; website added; entries added for the Canadian supplier identifier and the Mexican importer/distributor.
2. Section 1: office emergency line retained; emergency telephone number entry added (resolved 2026-10-20).
3. Header and Section 16: revision date, "Supersedes" and Version 2.0 added; the initial preparation date 09.02.2022 is retained as printed.
4. Section 2: classification basis extended to the Canadian Hazardous Products Regulations (SOR/2015-17) and NOM-018-STPS-2015. The classification outcome ("Not a hazardous substance or mixture") and label elements are unchanged.
5. Section 3: the "Trade Secret" CAS entry for the acrylic polymer was supplemented by a Canadian confidential business information (HMIRA) statement.
6. Section 8: US exposure limits unchanged; Canadian provincial and Mexican (NOM-010-STPS) limits not listed.
7. Section 9: reviewer note added at "VOC content" (unit truncated in the source); value kept as printed.

8. Section 14: "Not regulated under TDG / NOM-002-SCT" entry added.
9. Section 15: entries added for Canadian (DSL/NDSL) and Mexican regulatory status.
10. Section 16: reviewer note added at "Abbreviations and Acronyms"; this revision note added.
11. Section 3: CBI claim statement added (2026-10-12).

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; Section 3: Canada/HMIRA sentence removed (not applicable — product not classified as hazardous); United States trade-secret statement retained per 29 CFR 1910.1200(i); 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.

All other content is unchanged from the SDS dated 09.02.2022 (source date as printed).

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.

Initial Preparation Date: 09.02.2022
Revision date: 2026-10-20 · Supersedes: 09.02.2022 (source date as printed) · Version 2.1

End of Safety Data Sheet