

Safety Data Sheet

Issue Date: 27-Jun-2014

Revision Date: 6-May-2019

Version 1

1. IDENTIFICATION

Product Identifier

Product Name BEN-A-MAX

Recommended use of the chemical and restrictions on use

Recommended Use Bentonite maximizer additive

Details of the supplier of the safety data sheet

Supplier Address Mayco Chemical Products, Inc.
1936 E. Hwy 66
El Reno, OK 73036

Emergency Telephone Number

Company Phone Number Phone: 405-262-4400
Fax: 405-262-3596

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Granular white

Physical State Solid

Odor Odorless

Classification of the product

Classification according to paragraph (d) of 29 CFR 1910.1200:
Not classified.

Label elements

Labeling according to paragraph (f) of 29 CFR 1910.1200:

Hazard symbol: None

Signal word: None

Hazard statement(s): None

Precautionary statement(s): None

Other hazards

Aqueous solutions or powders that become wet render surfaces extremely slippery.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Not applicable, this product is a mixture.

Mixtures

This product is a mixture.

Hazardous components

Contains no reportable hazardous substances

4. FIRST-AID MEASURES

Description of first aid measures

Eye Contact	IF IN EYES: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. In case of persistent eye irritation, consult a physician.
Skin Contact	IF ON SKIN: Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.
Inhalation	IF INHALED: Move to fresh air. No hazards which require special first aid measures.
Ingestion	IF SWALLOWED: Rinse mouth with water. Do NOT induce vomiting. Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed

None

Indication of any immediate medical attention and special treatment needed

None reasonably foreseeable.

Other information

Aqueous solutions or powders that become wet render surfaces extremely slippery.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Water. Water spray. Foam. Carbon dioxide (CO₂). Dry powder.
Warning! Aqueous solutions or powders that become wet render surfaces extremely slippery.

Unsuitable Extinguishing Media None

Specific hazards arising from the substance or mixture

Hazardous decomposition products:

Thermal decomposition may produce: nitrogen oxides (NO_x), carbon oxides (CO_x).

Advice for firefighters

Protective measures:

In the event of fire, wear self-contained breathing apparatus.

Other information:

Aqueous solutions or powders that become wet render surfaces extremely slippery.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions	Aqueous solutions or powders that become wet render surfaces extremely slippery.
Protective Equipment	Wear adequate personal protective equipment (see Section 8 Exposure Controls/ Personal Protection).
Emergency Procedures	Keep people away from spill/leak. Prevent further leakage or spillage if safe to do so.

Environmental Precautions

As with all chemical products, do not flush into surface water.

Methods and material for containment and cleaning up

Methods for Containment And cleaning up	Small spills: <u>Do not flush with water.</u> Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal. <u>After cleaning,</u> flush away from traces with water. Large spills: <u>Do not flush with water.</u> Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal. <u>After cleaning,</u> flush away traces with water. Residues: Flush away with large quantities of water.
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Reference to other sections

SECTION 7: Handling and storage

SECTION 8: Exposure controls/personal protection

SECTION 9: Physical and chemical properties

SECTION 13: Disposal considerations

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on Safe Handling	No special precautions required. Aqueous solutions or powders that become wet render surfaces extremely slippery.
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Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep in a dry place. Keep container closed when not in use.

Specific end use(s)**Specific end use(s)**

Processing aid for industrial applications.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

Occupational exposure limits:

None known.

Exposure controls

Appropriate engineering controls:

Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts.

Individual protection measures, such as personal protective equipment:**Respiratory protection:**

No personal respiratory protective equipment normally required. Dust safety masks recommended where working powder concentration is more than 10 mg/m³.

Skin protection:

Hand protection: PVC or other plastic material gloves.

Other: Workclothes protecting arms, legs, and body

Eye/face protection:

Safety glasses with side-shields.

Additional advice:

Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls:

Do not allow uncontrollable discharge of product into the environment. Do not flush into surface water.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties****Physical State**

Solid

Appearance

Granular solid, white

Color	White
Odor	None
Odor Threshold	Not applicable
pH	5 - 9 @ 5 g/L
Melting Point/Freezing Point	> 150°C
Boiling Point/Boiling Range	Not applicable
Flash Point	Not applicable
Evaporation Rate	Not applicable
Flammability (Solid, Gas)	No data available
Upper/Lower Flammability Limits	Not expected to create explosive atmospheres.
Vapor Pressure	Not applicable
Vapor Density	Not applicable
Relative Density	0.6 – 0.9
Water Solubility	Soluble in water
Partition Coefficient	-2
Autoignition Temperature	Does not self-ignite (based on the chemical structure).
Decomposition Temperature	> 150°C
Explosive Properties	Kst = 0 Non-flammable to ignition sources of less than 2.5 kJ.
Oxidizing Properties	Not expected to be oxidizing based on the chemical structure.
Other Information	None

10. STABILITY AND REACTIVITY

Reactivity

None known.

Chemical Stability

Stable under normal conditions.

Possibility of Hazardous Reactions

None known.

Conditions to Avoid

None known.

Incompatible Materials

None known.

Hazardous Decomposition Products

Thermal decomposition may product: nitrogen oxides (NOx), carbon oxides (COx).

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects**Information on the product as supplied:**

Acute oral toxicity:	LD50/oral/rat > 5000 mg/kg
Acute dermal toxicity:	LD50/dermal/rat > 5000 mg/kg
Acute inhalation toxicity:	The product is not expected to be toxic by inhalation.
Skin corrosion/irritation:	Not irritating.
Serious eye damage/eye irritation:	Not irritating.
Respiratory/skin sensitization:	Not sensitizing.
Mutagenicity:	Not mutagenic.
Carcinogenicity:	Not carcinogenic.
Reproductive toxicity:	Not toxic for reproduction.
STOT – Single exposure:	No known effects.
STOT – Repeated exposure:	No known effects.
Aspiration hazard:	No hazards resulting from the material as supplied.

12. ECOLOGICAL INFORMATION

Toxicity

Information on the product as supplied:

Acute toxicity to fish:	LC50/Danio rerio/96 hours > 100 mg/L (OECD 203) LC50/Fathead minnow/96 hours > 100 mg/L (OECD 203)
Acute toxicity to invertebrates:	EC50/Daphnia magna/48 hours > 100 mg/L (OECD 202)
Acute toxicity to algae:	IC50/Scenedesmus subspicatus/72 hours > 100 mg/L (OECD 201)
Chronic toxicity to fish:	No data available
Chronic toxicity to invertebrates:	No data available
Toxicity to microorganisms:	No data available
Effects on terrestrial organisms:	No data available
Sediment toxicity:	No data available

Persistence and degradability

Information on the product as supplied:

Degradation:	Not readily biodegradable.
Hydrolysis:	Does not hydrolyse.
Photolysis:	No data available

Bioaccumulative potential

Information on the product as supplied:

Non bioaccumulating	
Partition co-efficient (Low Pow):	-2
Bioconcentration factor (BCF):	~0

Mobility in soil

Information on the product as supplied:

None

Other adverse effects

None known

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Waste from residues/unused products:

Dispose in accordance with local and national regulations. Can be landfilled or incinerated, when in compliance with local regulations.

Contaminated Packaging

Rinse empty containers with water and use the rinse-water to prepare the working solution. If recycling is not practicable dispose of in compliance with local regulations. Can be landfilled or incinerated, when in compliance with local regulations.

Recycling

In accordance with local and national regulations.

14. TRANSPORT INFORMATION

Land transport (DOT)

Not classified

Sea transport (IMDG)

Not classified

Air transport (IATA)

Not classified

15. REGULATORY INFORMATION

Safety, health, and environmental regulations/legislation specific for the substance or mixture

Information on the product as supplied:

TSCA Chemical Substances Inventory:

All components of this product are either listed on the inventory or are exempt from listing.

US SARA Reporting Requirements:

SARA (Section 311/312) hazard class:
Non concerned

SARA Title III Sections:

Section 302 (TPQ) – Reportable Quantity:
Not concerned

Section 304 – Reportable Quantity:
Not concerned

Section 313 (De minimis concentration):
Not concerned

Clean Water Act

Section 311 Hazardous Substances (40 CFR 117.3) – Reportable Quantity:
Not concerned

Clear Air Act

Section 112(r) Accidental release prevention requirements (40 CFR 68) – Reportable Quantity:
Not concerned

CERCLA

Hazardous Substances List (40 CFR 302.4) – Reportable Quantity:
Not concerned

RCRA status

Not RCRA hazardous

California Proposition 65 Information:

Not concerned

16. OTHER INFORMATION**NFPA and HMIS Ratings:**

NFPA	Health Hazards 0	Flammability 0	Instability 0	
HMIS	Health Hazards 0	Flammability 0	Physical Hazards 0	Personal Protection B

Key or legend to abbreviations and acronyms used in the safety data sheet:Acronyms

STOT = Specific target organ toxicity

Training advice

Do not handle until all safety precautions have been read and understood.

This SDS was prepared in accordance with the following:

U.S. Code of Federal Regulations 29 CFR 1910.1200

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Revision Note: New format

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 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.