

Safety Data Sheet

Created according to GHS

Printing date 05/16/2023

Reviewed on 05/16/2023

1 Identification

- **Product identifier**
- **Trade name:** Bacstim 100
- **Article number:** FM011
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Omnia Specialties, Inc.
9605 W 49th Ave Ste 201
Wheat Ridge
CO 80033
Afterhours and toll-free number: (800)760-8402
Office number: (720) 932-1610
- **Information department:**
info@omniausa.org
+1-800-760-8402
- **Emergency telephone number:** ChemTrec 1-800-262-8200 Available 24/7

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified, according to the Globally Harmonized System (GHS).

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0
FIRE	0
REACTIVITY	0

Health = 0
Fire = 0
Reactivity = 0
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:**
Mixture does not contain any products with GHS hazardous classifications above their cutoff limits
- **Dangerous components:** Void

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· **Additional information:** Product is moderate respiratory irritant

4 First-aid measures

· **Description of first aid measures**

· **After inhalation:**

Keep patient warm and at rest even though no symptoms may be evident.

Give Oxygen, especially if the person is blue in the face.

Apply artificial respiration if breathing has stopped.

Obtain medical attention immediately.

· **After skin contact:**

Wash thoroughly with water and soap. Wash clothes before re-use. Do not clean dust from clothes with air hoze or oxygen.

· **After eye contact:** Rinse opened eye for several minutes under running water, keeping eyelids open.

· **After swallowing:**

Do not induce vomiting. If the person is conscious, wash out mouth and give 2 to 3 glasses water or milk to drink. Immediately obtain medical attention.

· **Information for doctor:** Show the SDS to the doctor/physician.

· **Most important symptoms and effects, both acute and delayed**

Ingestion may cause gastro-intestinal disturbances.

Inhalation of dusts or mist may cause irritation.

Inhalation of decomposition gasses, can cause irritation and corrosive affects of the respiratory system and may lead to oedema. Lung effects may be delayed.

· **Indication of any immediate medical attention and special treatment needed**

After supplying first aid, when medical attention is sought, show the SDS to the doctor/physician.

Following exposure to decomposition fumes, the patient should be kept under medical review for at least 48 hours as pulmonary oedema may develop.

5 Fire-fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:** Water

· **Advice for firefighters:** Avoid breathing the fumes. Do not allow fire water run-off to enter waterways.

· **Protective equipment:** Wear full protective gear and self-contained respiratory protective device.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Wear protective gear. Do not inhale the material or its combustion products. Go against the wind and keep out of low areas. Evacuate personnel to safe area. Ensure adequate ventilation.

· **Environmental precautions:**

Fertilizer may dissolve in water. Large quantities can kill vegetation and aquatic organisms.

Do not allow to enter sewers, surface or ground water. Should not be released into environment.

If released into environment, inform appropriate authorities.

· **Methods and material for containment and cleaning up:**

For small spills: Dike and absorb spill with sand or inert material (e.g. sawdust). Shovel into drums for disposal. Flush area with water. Note the floor will be slippery. For large spills: Contain liquid far ahead of spill. Contain spillage and contaminated water for subsequent disposal. Do not flush spilled material into drains. Keep spectators away.

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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· Protective Action Criteria for Chemicals

· PAC-1:		
532-32-1	SODIUM BENZOATE	61 mg/m ³
	EDTA	4.1 mg/m ³
· PAC-2:		
532-32-1	SODIUM BENZOATE	680 mg/m ³
	EDTA	45 mg/m ³
· PAC-3:		
532-32-1	SODIUM BENZOATE	810 mg/m ³
	EDTA	200 mg/m ³

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Do not eat, drink or smoke in the work place.
Avoid contact with skin, eyes and clothing.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Ensure sufficient ventilation and that space is cool and dry. Ensure eyewash station and safety showers is near workstations. Ensure sufficient fire fighting water is available. Ensure containers stay closed.
Steel, aluminum and zinc will suffer rapid corrosion and should be protected by several layers of paint. Fertilizer may attack concrete and corrode the steel reinforcement. Concrete should be protected by filled coal tar pitch or epoxy based plastic
- **Information about storage in one common storage facility:**
Store away from acids, alkalies, water and foodstuffs.
- **Further information about storage conditions:** None.
- **Specific end use(s)** For use in agriculture.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Breathing equipment:** In case of aerosol formation wear a suitable mask
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.
- **Body protection:** Protective work clothing

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

· Form:	Liquid
· Color:	Amber
· Odor:	Fermentation
· Odor threshold:	Not determined.

· **pH-value at 20 °C (68 °F):** 4-4.3

· Change in condition

· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	100 °C (212 °F)

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** Not applicable.

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Not determined.

· Explosion limits:

· Lower:	Not determined.
· Upper:	Not determined.

· **Vapor pressure:** Not determined.

· **Density:** Not determined.

· **Relative density** Not determined.

· **Vapor density** Not determined.

· **Evaporation rate** Not determined.

· Solubility in / Miscibility with

· **Water:** Fully miscible.

· **Partition coefficient (n-octanol/water):** Not determined.

· Viscosity:

· Dynamic:	Not determined.
· Kinematic:	Not determined.

· Solvent content:

· **VOC content:** 0.00 %
0.0 g/l / 0.00 lb/gal

· **Solids content:** 1.2-<5.2 %

· **Other information** No further relevant information available.

10 Stability and reactivity

· **Reactivity** No further relevant information available.

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- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** May decompose on heating.
- **Possibility of hazardous reactions** Contact with acids or alkali may release irritant gasses.
- **Conditions to avoid** Incompatibles and extreme temperatures.
- **Incompatible materials:**
 - Oxidising Agents
 - Acids and alkalies. Flammable substances. Foodstuffs.
- **Hazardous decomposition products:** Carbon monoxide and carbon dioxide

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
 - **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:**

If large amounts enters water systems, eutrophication may result and aquatic organisms may be harmed.
- **Persistence and degradability** Freely dissociates. All components may become part of natural mineral cycles.
- **Behavior in environmental systems:**
- **Bioaccumulative potential**

May contribute to the eutrophication of water bodies.
May accumulate in soils and water bodies and possibly in life forms.
- **Mobility in soil** Very mobile in soil.
- **Additional ecological information:**
- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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If fertilizer is not contaminated, recycle. In case fertilizer is contaminated, discuss options with supplier or experts.

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water and if required, cleansing agents.

14 Transport information

· UN-Number	Void
· DOT, ADR, IMDG, IATA	Void
· UN proper shipping name	Void
· DOT, ADR, IMDG, IATA	Void
· Transport hazard class(es)	Void
· DOT, ADR, ADN, IMDG, IATA	Void
· Class	Void
· Packing group	Void
· DOT, ADR, IMDG, IATA	Void
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	Void

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.

- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

532-32-1	SODIUM BENZOATE	ACTIVE
	POTASSIUM SORBATE	ACTIVE
	EDTA	ACTIVE

- **Hazardous Air Pollutants**

None of the ingredients is listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

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· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Contact:**

· **Date of preparation / last revision** 05/16/2023 / -

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

· *** Data compared to the previous version altered.**

