



1. PRODUCT AND COMPANY IDENTIFICATION

- 1.1 Product Name:** ByoDetox
- 1.2 Product Number:**
- 1.3 CAS-NO.:** Not Assigned
- 1.4 Relevant Identified Uses of the Product:** Soil Remediation
- 1.5 Details of the supplier of the safety data sheet:**
NuAgro Resources, LLC
409 W Maple ST
Yadkinville, NC 27055
- 1.6 Emergency telephone number:** Chemtrec (800) 424-9300

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS) indicates no classification

2.2 Hazards Summary:

Use PPE to prevent exposure

2.3 GHS Label elements, including precautionary statements

2.3.1 Pictogram

Not applicable

2.3.2 Signal Word:

Not applicable

2.3.3 Hazard Statements

Not applicable

2.3.4 Precautionary Statements

- P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
- P264 Wash skin thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/ eye protection/ face protection.
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312 Call a POISON CENTER or doctor/ physician if you feel unwell.
- P321 Specific treatment (see supplemental first aid instructions on this label).
- P332 + P313 If skin irritation occurs: Get medical advice/ attention.
- P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

2.3.5 Disposal

Dispose of contents/containers to approved disposal site in accord with local, regional, or international regulations.

3. COMPOSITION INFORMATION ON INGREDIENTS

Component	CAS #	Concentration	Trade Secret-
Humic acids	51415-93-6	1-10	*
Mixture of <i>bacillus subtilis</i> , <i>bacillus polymyxa</i> , <i>bacillus thuringiensis</i> , <i>bacillus licheniformis</i> , <i>bacillus amyloliquefaciens</i>		<1	*
Non-Hazardous ingredients, including water		80-98%	*

* The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

Description of first aid measures

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of the dangerous area.
In case of skin contact	Take off contaminated clothing and shoes immediately. Wash with soap and plenty of water. Consult a physician if needed.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If inhaled	If breathed in, move person into fresh air and consult a physician.
If swallowed Do not induce vomiting.	Never give anything by mouth to an unconscious person. Rinse mouth with water and consult a physician.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

None known. Aqueous solution. Non-combustible

5.3 Advice for firefighters

Avoid breathing smoke and vapor.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

6.2 Environmental precautions

Avoid run off into adjacent land.
Do not contaminate any body of water.

6.3 Methods and materials for containment and cleaning up.

Soak up with inert absorbent material and dispose. Clean contaminated areas with soap and water. Keep in suitable closed containers for disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe storage

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed and protect from excessive heat. Do not freeze. Store above 4°C/ 39 °F.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Use in well-ventilated area.

8.2 Exposure Controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Use personal protective equipment as outlined:

8.2.1 Eye/Face Protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

8.2.2 Skin Protection

Wear suitable protective clothing and gloves. Handle with plastic or rubber gloves. For example, EN374-3, level 6 breakthrough time (>480 min) Wear suitable overalls.

8.2.3 Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Otherwise, respiratory protection is not normally required.

8.3 Control of environmental exposure

Avoid release into the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Color	Dark Brown
Odor	Odorless
pH	7-8
Evaporation rate	No data available
Melting (Freezing) Point	No data available

Boiling Point	100 °C
Flash Point	No data available
Auto-ignition temperature	No data available
Flammability	No data available
Density	1.01-1.03 g/mL at room temperature
Solubility	Soluble in water
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

9.2 Other Information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

Non-reactive under normal temperature and conditions

10.2 Chemical stability

Product stable under normal conditions.

10.3 Possibility of hazardous reactions

Non-reactive under normal temperature and conditions

10.4 Conditions to avoid

None known

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Non-reactive under normal temperature and conditions. Burning may produce carbon monoxide and/or carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects:

11.1 Acute toxicity	
11.1.1 Ingestion	No data available on product
11.1.2 Inhalation	No data available on product
11.1.3 Skin Contact	No data available on product
11.1.4 Eye Contact	No data available on product
11.1.5 Skin Corrosion/Irritation	No data available on product
11.1.6 Serious Eye Damage/Irritation	No data available on product
11.1.7 Sensitization	No data available on product
11.1.8 Mutagenicity	No data available on product
11.1.9 Carcinogenicity	No data available on product
11.2 Reproductive Toxicity	No data available on product
11.2.1 STOT- Single Exposure	No data available on product
11.2.2 STOT- Repeated Exposure	No data available on product
11.2.3 Aspiration Hazard	No data available on product

12. ECOLOGICAL INFORMATION

- 12.1 Toxicity**
No data available
- 12.2 Persistence and degradability**
No data available
- 12.3 Bioaccumulative potential**
No data available
- 12.4 Mobility in soil**
No data available
- 12.5 Results of PBT assessment**
No data available
- 12.6 Other adverse effects**
No data available

13. DISPOSAL CONSIDERATIONS

Waste disposal recommendations

Disposal of contents/containers in accordance with local/regional/national/international regulations.

14. TRANSPORT INFORMATION

- 14.1 UN Number Information**
Not classified according to the UN "recommendations on the transport of dangerous goods"; not classified as hazardous under DOT or US Transport Recommendations; International Maritime Dangerous Goods (IMDG) Code: Not classified.
- 14.2 Proper Shipping Name**
Not applicable
- 14.3 Transport Hazard Class(es)**
Not applicable
- 14.4 Packing Group**
Not applicable
- 14.5 Environmental Hazards**
Not classified as a marine pollutant.
- 14.6 Special Precautions for user**
None known
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
Not applicable

15. REGULATORY INFORMATION

15.1 US Regulations:

U.S. SARA Reporting Requirements: The components of this product are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

U.S. SARA 311/312: Acute Health: No; Chronic Health: No; Fire: No; Reactivity: No

U.S. CERCLA Reportable Quantity: None

U.S. TSCA Inventory Status: The components of this product are exempted from listing.

Other U.S. Federal Regulations: None known

California Safe Drinking Water and Toxic Enforcement Act (Proposition 66): This product does not contain ingredients on the Proposition 65 Lists.

15.2 Canadian Regulations:

Canadian DSL/NDSL

Inventory Status: Components are DSL Listed, NDSL Listed and/or are exempt from listing

Other Canadian Regulations: Not applicable

Canadian Environmental Protection Act (CEPA) Priorities Substances Lists: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

16. OTHER INFORMATION

None