



SAFETY DATA SHEET

Version 1

1. Identification of the Substance / Preparation and of the Company / Undertaking

Product Name Bio-Sugar
Product Code 57901
Recommended Use Agricultural Applications or Further Manufacturing Use
Restrictions on Use None known
Manufacturer
Atlantic-Pacific Agricultural Company, Inc., 525 Clubhouse Drive, Peachtree City, GA 30269, 770-629-5514
Emergency Telephone:
336-260-3121

2. Hazards Identification

GHS - Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Signal Word: None

Precautionary Statements:

• As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

3. Composition / Information on Ingredients

| Chemical name | CAS No. | Weight-% |
|----------------|-----------|----------|
| Trade Secret 1 | - | < 10 |
| Trade Secret 2 | - | 40-50 |
| Trade Secret 3 | - | 30-40 |
| Water | 7732-18-5 | Balance |

Any concentration shown as a range is due to batch variation or the exact percentage has been withheld as a trade secret.

4. First Aid Measures

Description of first aid measures

Inhalation Remove to fresh air. If symptoms persist, call a physician.
Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Ingestion Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed
Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. Fire-fighting Measures

| | |
|---|--|
| Suitable Extinguishing Media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Large Fire | CAUTION: Use of water spray when fighting fire may be inefficient. |
| Unsuitable extinguishing media | Do not scatter spilled material with high pressure water streams. |
| Specific hazards arising from the chemical | No information available. |
| Hazardous combustion products | Carbon oxides. Potassium Oxides. |
| Explosion Data | |
| Sensitivity to mechanical impact | None. |
| Sensitivity to static discharge | None. |
| Special protective equipment for fire-fighters | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

6. Accidental Release Measures**Personal precautions, protective equipment and emergency procedures**

Personal precautions Ensure adequate ventilation.

Methods and material for containment and cleaning up

| | |
|--------------------------------|---|
| Methods for containment | Prevent further leakage or spillage if safe to do so. |
| Methods for cleaning up | Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water. |

7. Handling and Storage**Precautions for safe handling**

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

| | |
|-------------------------------|--|
| Storage Conditions | Keep containers tightly closed in a dry, cool and well-ventilated place. |
| Incompatible materials | Strong oxidizing agents, strong acids, and strong bases. |

8. Exposure Controls / Personal Protection**Control parameters**

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

| | |
|-----------------------------|---|
| Engineering controls | Showers Eyewash stations Ventilation systems. |
|-----------------------------|---|

Individual protection measures, such as personal protective equipment

| | |
|---------------------------------------|--|
| Eye/face protection | Tight sealing safety goggles. |
| Skin and body protection | Wear suitable protective clothing. |
| Respiratory protection | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. |
| General hygiene considerations | Handle in accordance with good industrial hygiene and safety practice. |

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

| | | | |
|------------------------|-----------------|------------------------|--------------------------|
| Physical State: | Liquid | Odor: | No information available |
| Appearance: | Clear | Odor Threshold: | No information available |
| Color: | Yellow to amber | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--|--------------------------|----------------------------------|
| pH: | 6 | pH Range: 6.0 - 8.0 |
| Salt Out Point: | | No information available |
| Melting Point/Freezing Point: | < -40 °C / -40 °F | |
| Boiling Point/Boiling Range: | | No information available |
| Flash Point: | | No information available |
| Evaporation Rate (BuAc=1): | | No information available |
| Flammability (solid, gas) | | No information available |
| Flammability Limits in Air: | | No information available |
| Upper Flammability Limit: | | Lower Flammability Limit: |
| Vapor Pressure (mm Hg): | | No information available |
| Vapor density (Air =1) | | No information available |
| Specific Gravity (H₂O=1): | 1.347 | |
| Specific Gravity (2nd value): | | |
| Water Solubility: | | No information available |
| Solubility(ies): | | No information available |
| Partition Coefficient (n-octanol/water) | | No information available |
| Autoignition Temperature: | | No information available |
| Decomposition Temperature: | | No information available |
| Kinematic Viscosity: | | No information available |
| Dynamic Viscosity: | | No information available |
| Oxidizing Properties: | No information available | |
| Explosive Properties: | No information available | |

9.2. Other information

| | |
|--------------------------|--------------------------|
| Softening Point: | No information available |
| Molecular Weight: | N/A |
| VOC Content(%): | No information available |
| Liquid Density | No information available |
| Bulk density | No information available |

10. Stability and Reactivity

| | |
|---|--|
| Reactivity | No information available. |
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | None under normal processing. |
| Conditions to avoid | Exposure to air or moisture over prolonged periods. |
| Incompatible materials | Strong oxidizing agents, strong acids, and strong bases. |
| Hazardous decomposition products | Carbon oxides. Potassium Oxides. |

11. Toxicological Information**Information on likely routes of exposure**

| | |
|----------------------------|---|
| Product Information | |
| Inhalation | Specific test data for the substance or mixture is not available. |
| Eye contact | Specific test data for the substance or mixture is not available. |
| Skin contact | Specific test data for the substance or mixture is not available. |
| Ingestion | Specific test data for the substance or mixture is not available. |

Symptoms related to the physical, chemical and toxicological characteristics

| | |
|-----------------|---------------------------|
| Symptoms | No information available. |
|-----------------|---------------------------|

Numerical measures of toxicity

No information available

Acute Toxicity:

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 11,964.33 mg/kg

Unknown Acute toxicity 100 % of the mixture consists of ingredient(s) of unknown toxicity

40 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

100 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

| Chemical name | Oral LD ₅₀ : | Dermal LD ₅₀ : | LC ₅₀ (Lethal Concentration): |
|--------------------|-------------------------|---------------------------|--|
| Trade Secret 1 | = 3250 mg/kg (Rat) | - | - |
| Trade Secret 2 | = 25800 mg/kg (Rat) | - | - |
| Water 7732-18-5 | > 90 mL/kg (Rat) | - | - |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Other Adverse Effects: No information available.

Aspiration hazard No information available.

12. Ecological Information**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

| Chemical name | Toxicity to algae | Toxicity to fish | Toxicity to microorganisms | Toxicity to daphnia and other aquatic invertebrates |
|----------------|-------------------|--|----------------------------|---|
| Trade Secret 1 | - | 6800: 96 h Oncorhynchus mykiss mg/L LC50 semi-static | - | - |

Persistence and Degradability: No information available.

Bioaccumulation: There is no data for this product.

Other Adverse Effects: No information available.

13. Disposal Considerations

Waste treatment methods

Waste from residues/unused products
Contaminated packaging

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
 Do not reuse empty containers.

14. Transport Information**DOT**

Description

Not DOT Regulated

15. Regulatory Information**International Inventories**

AICS Complies
TSCA -
DSL/NDSL Complies
EINECS/ELINCS -
ENCS -
IECSC -
KECL -
PICCS -

| Chemical name | AICS | TSCA | DSL | NDSL | EINECS | ELINCS | ENCS | IECSC | KECL | PICCS |
|----------------|---------|-------------------|---------|------|---------|--------|---------|--------------------|---------|---------|
| Trade Secret 1 | Present | Present ACTIVE | Present | - | Present | - | Present | Present [39193] | Present | Present |
| Trade Secret 2 | Present | Present ACTIVE | Present | - | Present | - | Present | Present [25681] | Present | Present |
| Trade Secret 3 | Present | - | Present | - | - | - | - | - | - | - |
| Water | Present | Present ACTIVE | Present | - | Present | - | Present | Present [32224] | Present | Present |

Inventory Legend

AICS - Australian Inventory of Chemical Substances
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances

RESTRICTIONS - REACH TITLE VII No information available

US Federal Regulations**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|----|
| Acute health hazard | No |
| Chronic health hazard | No |
| Fire hazard | No |
| Sudden release of pressure hazard | No |
| Reactive hazard | No |

16. Other Information

Prepared By: HSE Department

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Revision Note: New Product

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 a 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.

End of Safety Data Sheet