

# SAFETY DATA SHEET

according to DENR Administrative order N°2015-09 and GHS

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## AccuPoint® Advanced Alkaline Phosphatase Positive Controls

Revision 4

Revision date 2019-12-10

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

|              |  |
|--------------|--|
| Product name | AccuPoint® Advanced Alkaline Phosphatase Positive Controls |
| Product code | 9971   |

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

|             |   |
|-------------|---|
| Product Use | [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC21] Laboratory chemicals; |
| Description | Intended for laboratory use only.   |

#### 1.3. Details of the supplier of the safety data sheet


|                  |   |
|------------------|---|
| Company name     | Neogen Corporation                          |
| Address          | 620 Leshar Place<br>Lansing MI 48912<br>USA |
| Web              | www.neogen.com                              |
| Telephone number | 517-372-9200/800-234-5333                   |
| Email            | SDS@neogen.com                              |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

|                             |   |
|-----------------------------|---|
| 2.1.2. Classification - GHS | Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335; |
|-----------------------------|---|

#### 2.2. Label elements

|                                     |   |
|-------------------------------------|---|
| Hazard pictograms                   |    |
| Signal Word                         | Warning   |
| Hazard Statement                    | Skin Irrit. 2: H315 - Causes skin irritation.<br>Eye Irrit. 2: H319 - Causes serious eye irritation.<br>STOT SE 3: H335 - May cause respiratory irritation.   |
| Precautionary Statement: Prevention | P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P264 - Wash thoroughly after handling.<br>P271 - Use only outdoors or in a well-ventilated area.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection. |
| Precautionary Statement: Response   | P302+P352 - IF ON SKIN: Wash with plenty of water/.<br>P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact     |

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## 2.2. Label elements

|                                      |  |
|--------------------------------------|--|
| Precautionary Statement:<br>Storage  | lenses, if present and easy to do. Continue rinsing.<br>P312 - Call a POISON CENTER/doctor/ /if you feel unwell.               |
|                                      | P403+P233 - Store in a well-ventilated place. Keep container tightly closed.   |
| Precautionary Statement:<br>Disposal | P501 - Dispose of contents/container to an approved waste disposal facility in accordance with local and national regulations. |

## 2.3. Other hazards

|               |   |
|---------------|---|
| Other hazards | Combustible dusts: May form combustible dust concentrations in air. |
|---------------|---|

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### EC 1272/2008

| Chemical Name                   | Index No. | CAS No.    | EC No.    | REACH Registration Number | Conc. (%w/w) | Classification  |
|---------------------------------|-----------|------------|-----------|---------------------------|--------------|---|
| Sucrose                         |           | 57-50-1    | 200-334-9 |                           | 70 - 80%     |   |
| Tris(hydroxymethyl)aminomethane |           | 77-86-1    | 201-064-4 |                           | 10 - 20%     | Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;                   |
| Magnesium nitrate               |           | 10377-60-3 | 233-826-7 |                           | 0 - 0.5%     | Ox. Sol. 2: H272; Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335; |

#### Description

|  |   |
|--|---|
|  | Concentrations listed are not product specifications. |
|--|---|

#### Further information

|  |  |
|--|--|
|  | Full text of Hazard Statements listed in this Section is provided in Section 16. |
|--|--|

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|              |   |
|--------------|---|
| Inhalation   | Move the exposed person to fresh air. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.                          |
| Eye contact  | Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.   |
| Skin contact | Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.   |
| Ingestion    | Do not induce vomiting unless told to do so by the poison control center or doctor. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell. |

### 4.2. Most important symptoms and effects, both acute and delayed

|              |   |
|--------------|---|
| Inhalation   | May cause irritation to respiratory system.                                 |
| Eye contact  | Causes eye irritation.  |
| Skin contact | Causes skin irritation.   |
| Ingestion    | Ingestion may cause nausea and vomiting. May cause oral mucosal irritation. |

### 4.3. Indication of any immediate medical attention and special treatment needed

|  |  |
|--|--|
|  | Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Seek medical attention if irritation or symptoms persist. If medical advice is needed, have product container or label at hand. |
|--|--|

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

### 5.2. Special hazards arising from the substance or mixture

Irritant. Avoid raising dust. May form combustible dust/air mixture.

### 5.3. Advice for firefighters

Do not breathe dust or vapour. Wear suitable respiratory equipment when necessary.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Use as appropriate: Protective equipment, Protective clothing. Ensure adequate ventilation of the working area. Avoid prolonged or repeated exposure.

### 6.2. Environmental precautions

Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush into surface water. Do not let product contaminate subsoil.

### 6.3. Methods and material for containment and cleaning up

Prevent further spillage if safe. Avoid formation of dust. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

### 6.4. Reference to other sections

See Section(s) 2, 8, and 13 for further information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes. Do not eat, drink or smoke in areas where this product is used or stored. Ensure adequate ventilation of the working area. Do not contaminate water by cleaning of equipment or disposal of wastes. Use as appropriate: Protective clothing.  
Read the entire label and follow all use directions, restrictions, and precautions.

### 7.2. Conditions for safe storage, including any incompatibilities

Store at temperatures between 2 °C and 8 °C. Do NOT allow to freeze. Store in correctly labelled containers. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal. Follow label instructions.

### 7.3. Specific end use(s)

See Section(s) 1.2 for further information.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Exposure Limit Values


|         |   |                         |
|---------|---|-------------------------|
| Sucrose | ACGIH TLV TWA: 10 mg/m <sup>3</sup>     | ACGIH TLV STEL: -       |
|         | Notations: A4                           | OSHA PEL 8hr TWA ppm: - |
|         | OSHA PEL 8hr TWA mg m <sup>3</sup> : 15 | Skin Designation: -     |

### 8.2. Exposure controls

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## 8.2. Exposure controls

|   |   |
|---|---|
|   |    |
| 8.2.1. Appropriate engineering controls | Ensure adequate ventilation of the working area.  |
| 8.2.2. Individual protection measures   | Use as appropriate: Protective equipment.   |
| Eye / face protection                   | Wear eye/face protection.   |
| Skin protection - Handprotection        | Wear suitable gloves. Wash the outside of gloves before removing them. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. |
| Skin protection - Other                 | Use as appropriate: Protective clothing.  |
| Respiratory protection                  | In case of insufficient ventilation, wear suitable respiratory equipment.   |
| Occupational exposure controls          | Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Protect clothing from contact with the product. Provide chemical shower. Provide eye wash station.         |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                           |                   |
|---------------------------|-------------------|
| Appearance                | Powder            |
| Colour                    | White             |
| Odour                     | Odourless/Slight  |
| Odour threshold           | No data available |
| pH                        | No data available |
| Melting point             | No data available |
| Freezing Point            | No data available |
| Initial boiling point     | Not applicable.   |
| Flash point               | No data available |
| Evaporation rate          | No data available |
| Flammability (solid, gas) | No data available |
| Vapour pressure           | No data available |
| Vapour density            | No data available |
| Relative density          | No data available |
| Partition coefficient     | No data available |
| Viscosity                 | Not applicable.   |
| Explosive properties      | No data available |
| Oxidising properties      | No data available |
| Autoignition temperature  | No data available |
| Solubility                | Soluble in water  |

### 9.2. Other information

|                                  |                 |
|----------------------------------|-----------------|
| VOC (Volatile organic compounds) | Not applicable. |
|----------------------------------|-----------------|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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## 10.1. Reactivity

Stable under normal conditions.

## 10.2. Chemical stability

Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

## 10.4. Conditions to avoid

Keep away from extreme temperatures, Moisture. Do NOT allow to freeze.

## 10.5. Incompatible materials

No data available.

## 10.6. Hazardous decomposition products

Carbon oxides.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|  |  |
|--|--|
| <b>Acute toxicity</b>                    | Based on available data, the classification criteria are not met. However, this product does contain substance(s) that are classified as hazardous. For more information, see Section 3.   |
| <b>Skin corrosion/irritation</b>         | Causes skin irritation.  |
| <b>Serious eye damage/irritation</b>     | Causes serious eye irritation.   |
| <b>Respiratory or skin sensitisation</b> | May cause allergic reactions in susceptible people.  |
| <b>Germ cell mutagenicity</b>            | No mutagenic effects reported.   |
| <b>Carcinogenicity</b>                   | This product does not contain any hazardous ingredients at or above regulated thresholds. The exact percentage (concentration) of composition has been withheld as a trade secret. Not listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values.<br>US State Regulations:<br>New Jersey Right-to-Know Hazardous Substances List:<br>This material contains no listed components.<br><br>Pennsylvania Right-to-Know Hazardous Substance List:<br>This material contains no listed components.<br><br>Massachusetts Right-to-Know Toxic or Hazardous Substances List:<br>This material contains no listed components. |
| <b>Reproductive toxicity</b>             | No teratogenic effects reported.   |
| <b>STOT-single exposure</b>              | May cause allergy or asthma symptoms or breathing difficulties if inhaled.   |
| <b>STOT-repeated exposure</b>            | No Significant Hazard.   |
| <b>Aspiration hazard</b>                 | No Significant Hazard.   |
| <b>Repeated or prolonged exposure</b>    | Avoid prolonged or repeated exposure. Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.  |

### 11.1.2. Mixtures

See Section(s) 3 for further information.

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## 11.1.3. Hazard Information

See Section(s) 2 and 3 for further information.

## 11.1.4. Toxicological Information

No data available

## 11.1.5. Hazard Class

See Section(s) 2 and 14 for further information.

## 11.1.6. Classification Criteria

Based on the Globally Harmonised System (GHS) considerations for the classification of mixtures.  
See Section 15 for regulatory citations.

## 11.1.7. Information on likely routes of exposure

Eye contact. Ingestion. Inhalation. Skin contact.

## 11.1.8. Symptoms related to the physical, chemical and toxicological characteristics

See Section(s) 4.2 for further information.

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

See Section(s) 4.2 for further information.

## 11.1.10. Interactive effects

No data available.

## 11.1.11. Absence of specific data

<1% of this mixture consists of ingredients of unknown acute toxicity.

## 11.1.12. Mixture versus substance information

See Section(s) 3 for further information.

## 11.1.13. Other information

Caution - substance not yet fully tested.

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available

### 12.2. Persistence and degradability

No data is available on this product.

### 12.3. Bioaccumulative potential

No data is available on this product.

### Partition coefficient

AccuPoint® Advanced Alkaline Phosphatase Positive Controls No data available

Sucrose No data available

### 12.4. Mobility in soil

No data is available on this product.

### 12.5. Results of PBT and vPvB assessment

No data is available on this product.

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## 12.6. Other adverse effects

Caution - substance not yet fully tested.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Follow label instructions. Dispose of in compliance with all local and national regulations.

#### Disposal methods

Do not contaminate water by cleaning of equipment or disposal of wastes. Do not flush into surface water. Dispose of in compliance with all local and national regulations.

#### Disposal of packaging

Nonrefillable container. Do not reuse or refill this container.  
If empty: Do not reuse this container. Place in trash or offer for recycling, if available.  
If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

## SECTION 14: Transport information

### 14.1. UN number

The product is not classified as dangerous for carriage.

### 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

### 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

### 14.4. Packing group

The product is not classified as dangerous for carriage.

### 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

### 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

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

#### Regulations

According to DENR Administrative order N°2015-09 and GHS.

#### Chemical Inventories/Right-to-Know Lists:

--International--  
Basel Convention (Hazardous Waste): Not applicable.  
Chemical Weapons Convention (OPCW): This material contains no reportable components.  
Kyoto Protocol Greenhouse Gases: This material contains no reportable components.  
Mercosur Agreement: Applicable.  
Montreal Protocol: This material contains no reportable components.  
The Rotterdam Convention: This material contains no reportable components.  
The Stockholm Convention: This material contains no reportable components.  
  
--Asia and the ASEAN Nations--  
Catalog of Hazardous Chemicals (China): [2309, Magnesium nitrate, CAS No. 10377-60-3].

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

Regulation of Minister of Trade of the Republic of Indonesia, Number 75, Year 2014, regarding The Second Amendment of Minister of Trade, Number 44, Year 2009, Regarding Provision, Distribution, and Control of Hazardous Substances: This material contains no reportable components.

Chemical Substances Control Law (Japan): Water Pollution Control Law:., [Magnesium nitrate (nitrate compounds), CAS No. 10377-60-3].

Industrial Safety and Health Act, Dangerous Substances (Japan): Oxidizing, [Magnesium nitrate (nitrate compounds), CAS No. 10377-60-3].

Poisonous and Deleterious Substances Act (Japan): This material contains no reportable components.

Chemical Substances Subject to Permission (Korea): This material contains no reportable components.

Restricted or Prohibited Substances (Korea): This material contains no reportable components.

Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): This material contains no reportable components.

Philippine Inventory of Chemicals and Chemical Substances (PICCS): Toxic Substances and Hazardous and Nuclear Wastes Control Act (RA6969):., [Magnesium nitrate, CAS No. 10377-60-3].

Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): This material contains no reportable components.

Hazardous Substances Act (Thailand): This material contains no reportable components.

Law on Chemicals (Vietnam): Annex I, Appendix VII, [Magnesium nitrate, CAS No. 10377-60-3].

--Australia and New Zealand--.

Australian Dangerous Goods Code: Not applicable.

Australian Inventory of Chemical Substances (AICS): All ingredients listed or exempt.

New Zealand Inventory of Chemicals (NZIoC): All ingredients listed or exempt.

--European Union (EU) and the United Kingdom (UK)--.

Authorisation List (Annex XIV of REACH): All ingredients listed or exempt.

Annex XVII for REACH: This material contains no reportable components.

Article 95 of the Biocidal Products Regulation (BPR): Not applicable.

--North America--.

Domestic/Non-Domestic Substances Lists (DSL/NDSL): All ingredients listed or exempt.

Toxic Substances Control Act (TSCA): All ingredients listed or exempt.

Massachusetts Right-to-Know Hazardous Substance List: This material contains no reportable components.

New Jersey Worker and Community Right to Know Act: This material contains no reportable components.

Pennsylvania Right to Know Law: A-D-Glucopyranoside,  $\beta$ -D-Fructofuranosyl (dust).

Rhode Island Right-to-Know General Law: Sucrose (dust).

California Proposition 65: This material contains no reportable components.

## SECTION 16: Other information

### Other information

|          |  |
|----------|--|
| Revision | <p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> <li>1 - Description.</li> <li>1 - Product Use.</li> <li>2 - Other hazards.</li> <li>2 - 2.1.2. Classification - GHS.</li> <li>2 - Precautionary Statement: Prevention.</li> </ul> |
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## Other information

|   |   |
|---|---|
|   | <p>2 - Precautionary Statement: Response.<br/>         2 - Precautionary Statement: Storage.<br/>         2 - Precautionary Statement: Disposal.<br/>         7 - 7.2. Conditions for safe storage, including any incompatibilities.<br/>         9 - 9.2. Other information (Product Subcategory).<br/>         10 - 10.4. Conditions to avoid.<br/>         15 - Chemical Inventories/Right-to-Know Lists:<br/>         16 - Maximum content of VOC.</p>  |
| <b>Acronyms</b>                               | <p>ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR).<br/>         CAS No.: Chemical Abstracts Service.<br/>         CLASS: Classification, Labelling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia).<br/>         GHS: Globally Harmonized System.<br/>         HCS 2012: U.S. Hazard Communication Standard (2012 revision).<br/>         IATA: International Air Transport Association.<br/>         ICAO: International Civil Aviation Organisation.<br/>         IMDG: International Maritime Dangerous Goods.<br/>         LD: Lethal dose.<br/>         OEL: Occupational exposure limit.<br/>         OSHA: U.S. Occupational Safety and Health Administration.<br/>         PEL: Permissible Exposure Limit.<br/>         REACH: Registration, Evaluation, Authorisation, and Restriction of Chemicals.<br/>         SVHC: Substance of very high concern.<br/>         US DOT: United States Department of Transportation.<br/>         VOC: Volatile Organic Compound.<br/>         WEL: Workplace Exposure Limit.</p> |
| <b>Text of Hazard Statements in Section 3</b> | <p>Skin Irrit. 2: H315 - Causes skin irritation.<br/>         Eye Irrit. 2: H319 - Causes serious eye irritation.<br/>         STOT SE 3: H335 - May cause respiratory irritation.<br/>         Ox. Sol. 2: H272 - May intensify fire; oxidiser.</p>  |

## Further information

|  |  |
|--|--|
|  | <p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p> |
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