SouthernBiotech

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|---|
| **GHS Product Identifier** | Mouse Anti-Human TLR2-LE/AF |
| **Other means of identification** | 2B4A1 |
| **Product type** | Liquid |
| **Product code** | 11000-14 |
| **Chemical formula** | Not applicable |
| **CAS No** | Not applicable |
| **SDS No.** | 2233322 |
| **Relevant Identified uses of the substance or mixture and uses advised against** | Not applicable |
| **Supplier's details** | Southern Biotechnology Associates, Inc.<br>160 Oxmoor Boulevard<br>Birmingham, Alabama 35209 USA<br>Tel: (205) 945-1774<br>Fax: (205) 945-8768<br>Website: www.southernbiotech.com |
| **Distributor and Emergency Phone No.** | Refer to website for distributor and emergency phone numbers.<br>Tel: (205) 945-1774 |

## SECTION 2: HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

**GHS-US classification**

Not a hazardous substance or mixture

**Label elements**

**GHS-US labeling**

**Hazard pictograms (GHS-US)**

Not a hazardous substance or mixture

**Other hazards** none

**Unknown acute toxicity (GHS US)** No data available

Full text of H-phrases: see section 16

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/Mixture** Mixture

**Other Means of Identification** Not available

**CAS Number/other identifiers**

**CAS Number** Not applicable

| Ingredient Name | Product Identifier | Percentage |
|---|---|---|
| Sodium phosphate (dibasic) | (CAS No.) 7558-79-4 / [EINECS(EC#)] 231-448-7 | 0.1% |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8



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## SECTION 4: FIRST-AID MEASURES

### Description of first aid measures

**First-aid measures general**
Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**First-aid measures after eye contact**
Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Consult a physician.

**First-aid measures after inhalation**
Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Consult a physician.

**First-aid measures after skin contact**
Flush contaminated skin with plenty of water and soap. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**First-aid measures after ingestion**
Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention. If necessary, call a poison center.

**Most important symptoms and effects, both acute and delayed**
See Sections 2 and 11

**Indication of immediate medical attention and special treatment needed, if necessary**
Medical conditions could be aggravated by exposure. None known or reported. Treat symptomatically.

## SECTION 5: FIRE-FIGHTING MEASURES

**Suitable extinguishing media**
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable extinguishing media**
None known

**Special hazards arising from the substance or mixture**
No special hazards determined

**Hazardous thermal decomposition products**
No specific data

**Special protective actions for fire-fighters**
Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters**
Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**General measures**: This product contains a material of biological origin. Use universal precautions during clean up procedures. Avoid breathing (vapor, mist). Use only in a well-ventilated area. Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment, see section 8.

### For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk-through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

### For emergency responders



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If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non- emergency personnel".

### Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and material for containment and cleaning up

**Small spill:** As a precautionary measure, treat spilled material with a 1:10 bleach/water solution. Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material and place in an appropriate waste disposal container. Comply with applicable waste disposal regulations.

**Large spill:** As a precautionary measure, treat spilled material with a 1:10 bleach/water solution. Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g., sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

### Reference to other sections

See Section 1 for emergency contact information, Section 13 for waste disposal, and Section 8 for exposure controls and personal protection.

## SECTION 7: HANDLING/STORAGE

### Precautions for safe handling

**Precautions for safe handling:** Handle under aseptic conditions. This product should be handled as though capable of transmitting infectious diseases. Universal precautions should be followed when using this product. Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Hygiene measures:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### Conditions for safe storage, including any incompatibilities

**Technical measures:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Recommended storage temperature: 2-8°C or aliquot into smaller volumes and store at -20°C. Avoid multiple freeze / thaw cycles.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### Exposure controls

| | |
|---|---|
| Appropriate engineering controls | Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday. |
| Environmental exposure controls | Do no let product enter drains. |
| Personal protective equipment | Protective goggles, gloves   |
| Hand protection | Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates |



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| | |
|---|---|
| | this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. |
| Body protection | Impervious clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| Other skin protection | Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| Eye protection | Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. |
| Respiratory protection | Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). |
| Conditions to avoid | No specific data |
| Incompatible materials | No specific data |
| Hazardous decomposition products | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Other information | When using, do not eat, drink, or smoke. May contain material of animal origin. |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

| | | |
|---|---|---|
| **Physical state** | : | Liquid |
| **Color** | : | Colorless |
| **Odor** | : | Not available |
| **Odor threshold** | : | Not available |
| **pH** | : | ≈7.4 |
| **Melting point** | : | Not available |
| **Boiling point** | : | Not available |
| **Flash Point** | : | Not available |
| **Burning time** | : | Not applicable |
| **Burning rate** | : | Not applicable |
| **Evaporation rate** | : | Not available |
| **Flammability (solid, gas)** | : | Not available |
| **Lower and upper explosive (flammable) limits** | : | Not available |
| **Vapor pressure** | : | Not available |
| **Vapor density** | : | Not available |
| **Relative density** | : | Not available |
| **Solubility** | : | Soluble in the following materials: cold water and hot water. |
| **Partition coefficient n-octanol/water** | : | Not available |
| **Auto-ignition temperature** | : | Not available |
| **Decomposition temperature** | : | Not available |



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| | | |
|---|---|---|
| **SADT** | : | Not available |
| **Viscosity** | : | Not available |
| **Other information** | : | No additional information available |

## SECTION 10: STABILITY AND REACTIVITY

| | |
|---|---|
| **Reactivity** | No specific test data related to reactivity available for this product or its ingredients. This material is hydroscopic. |
| **Chemical Stability** | The product is stable under recommended storage conditions. |
| **Possibility Of Hazardous Reactions** | Under normal conditions of storage and use, hazardous reactions will not occur. |
| **Conditions To Avoid** | No specific data |
| **Incompatible Materials** | Strong acids, metallic salts |
| **Hazardous Decomposition Products** | No specific data |

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on toxicological effects

| | |
|---|---|
| Acute toxicity | No data available |
| Conclusion/Summary: | To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated. |
| **Skin corrosion/irritation**: | No data available |
| **Serious eye damage/irritation**: | No data available |
| **Respiratory or skin sensitization**: | No data available |
| **Germ cell mutagenicity:** | No data available |
| **Carcinogenicity** | No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by IARC, ACGIH, NTP, or OSHA. |
| **Reproductive toxicity**: | No data available |
| **Teratogenicity:** | No data available |

**Specific target organ toxicity (single exposure)**: No data available

**Specific target organ toxicity (repeated exposure):** No data available

**Aspiration hazard:** No data available

**Information on the likely routes of exposure:** Routes of entry anticipated: Oral, Dermal, and Inhalation.

**Potential acute health effects**

| | |
|---|---|
| **Eye contact:** | No known significant effects or critical hazards |
| **Inhalation:** | No known significant effects or critical hazards. |
| **Skin contact:** | No known significant effects or critical hazards. |
| **Ingestion**: | Harmful if swallowed. |
| **Other Information:** | No data available |

## SECTION 12: ECOLOGICAL INFORMATION

| | |
|---|---|
| **Ecotoxicity** | No data available |
| **Persistence and degradability** | No data available |
| **Bioaccumulative potential** | No data available |
| **Mobility in soil** | No data available |
| **Other adverse effects** | No data available |

## SECTION 13: DISPOSAL CONSIDERATIONS

### Disposal methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-



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products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: TRANSPORT INFORMATION

| | DOT Classification | IATA |
|---|---|---|
| UN number | Not regulated | Not regulated |
| UN proper | Not regulated | Not regulated |
| Transport hazard class(es) | Not regulated | Not regulated |
| Packing group | Not regulated | Not regulated |

Special precautions for user: Transport within users premises always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## SECTION 15: REGULATORY INFORMATION

U.S. Federal and State regulations T

**SARA section 313** Not listed
**SARA section 311/312 Classification** Not listed
**California Proposition 65** Not listed
**TSCA status** Not listed

State regulations

New Jersey
Sodium phosphate (dibasic) 7558-79-4
New York
Sodium phosphate (dibasic) 7558-79-4
Pennsylvania
Sodium phosphate (dibasic) 7558-79-4

Canada inventory All components are listed or exempted.

International regulations

International lists Australia inventory (AICS): All components are listed or exempted.
China inventory (IECSC): All components are listed or exempted.
Japan inventory: All components are listed or exempted.
Korea inventory: All components are listed or exempted.
Malaysia Inventory (EHS Register): Not determined.
New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.
Philippines inventory (PICCS): All components are listed or exempted.
Taiwan inventory (CSNN): All components are listed or exempted.



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## SECTION 16: OTHER INFORMATION

**Indication of changes** : 13-Oct-21

**Other information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**GHS Full Text Phrases**:

**NFPA health** : 0 - No unusual hazard

**NFPA fire hazard** : 0 - Not combustible

**NFPA reactivity** : 0 - Not reactive when mixed with water




**HMIS III Rating**

**Health** : 0 - Minimal Hazard

**Flammability** : 0 - Minimal Hazard

**Physical** : 0 - Minimal Hazard

*While SouthernBiotech (d.b.a. Southern Biotechnology Associates, Inc.) believes the information contained herein is valid and accurate, SouthernBiotech makes no warranty or representation as to its validity, accuracy, or currency. SouthernBiotech shall not be liable or otherwise responsible in any way for use of either this information or materials to which it applies. Disposal of Hazardous materials may be subject to local laws or regulations.*

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