**Safety Data Sheet (SDS):** According to the OSHA Hazard Communication Standard 29 CFR 1910.1200

**Issuing Date:** 2022-10-20 **Version:** 1

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

### 1.1 Product identifier

| | |
|---|---|
| Product No | 7TM0014F |
| Product name | pS315/pS320-M2 (phospho M2 Muscarinic Acetylcholine Receptor) Antibody |
| Reach registration number | This substance/mixture contains only ingredients which have been registered, or are exempt from registration, according to Regulation (EC) No. 1907/2006. |

### Contains

| Chemical Name | Index No. | CAS No |
|---|---|---|
| sodium azide (0 - 10%) | 011-004-00-7 | 26628-22-8 |

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

**Identified uses** For research use only

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

**Supplier**

7TM Antibodies GmbH

Hans-Knöll-Str. 6

07745 Jena – Germany

TEL: ++49 151 20130575

FAX: ++49 3641 241 49 58

Email: info@7tmantibodies.com

Website: 7tmantibodies.com

### 1.4. Emergency Telephone Number

**Emergency telephone - Tel: +49 151 20130575 (09.00-18.00/Mo-Fr)**

## SECTION 2: Hazards identification

### 2.1. Classification

This substance/mixture is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### 2.2. GHS Label elements, including precautionary statements

**Signal Word**

Not classified.

**Hazard statement(s)**

None.

**Precautionary Statement(s)**

None.

### 2.3. Supplementary Hazard Information

May produce an allergic reaction.

**Hazards not otherwise classified (HNOC)**

Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

| Chemical Name | CAS No | Weight % |
|---|---|---|
| sodium azide | 26628-22-8 | 0.02 |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

| | |
|---|---|
| Inhalation | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately if symptoms occur. |
| Skin contact | Wash skin with soap and water. |
| Eye contact | Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing. Get medical attention immediately if irritation persists |
| Ingestion | Clean mouth with water and afterwards drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. |

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

Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing.

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

Treat symptomatically.

### 4.4 Advice for emergency responder

| | |
|---|---|
| General advice | For further assistance, contact your local Poison Control Center. |
| Protection of first-aiders | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

| | |
|---|---|
| Suitable Extinguishing Media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable Extinguishing Media | CAUTION: Use of water spray when fighting fire may be inefficient. |

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

No information available.

### 5.3. Explosion Data

| | |
|---|---|
| Sensitivity to Mechanical Impact | None. |
| Sensitivity to Static Discharge | None. |

### 5.4. Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## SECTION 6: Accidental release measures

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

| | |
|---|---|
| For non-emergency personnel | Avoid contact with skin, eyes and clothing. Use personal protective equipment. For personal protection see section 8. |
| Other information | No information available. |

### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas.

### 6.3. 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 | Soak up with inert absorbent material. Pick up and transfer to properly labeled containers |

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Wear personal protective equipment. See section 8. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

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

| | |
|---|---|
| Technical measures/Storage conditions | Keep container tightly closed in a dry and well-ventilated place. |
| Packaging material | No information available |
| Incompatible products | Strong oxidizing agents. Strong acids. |

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH REL |
|---|---|---|---|
| sodium azide | Ceiling: 0.29 mg/m$^3$<br>Ceiling: 0.11 ppm | - | Ceiling: 0.1 ppm<br>Ceiling: 0.3 mg/m$^3$ |

### 8.2. Appropriate engineering controls

Showers, eyewash stations, and ventilation systems.

### 8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment (PPE) needs to be selected depending on the implemented engineering controls, frequency/duration of work activities and the concentrations of the hazardous substance.

| | |
|---|---|
| Eye/face protection | If splashes are likely to occur, wear: Tightly fitting safety goggles |
| Skin/body protection | Wear protective gloves/clothing. |
| Respiratory protection | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |
| Hygiene measures | Handle in accordance with good industrial hygiene and safety practice. |

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| Physical state | liquid |
| Appearance | clear |

| | |
|---|---|
| Odor | No information available |
| Odor Threshold | No information available |
| Color | colorless |

| Property | Value | Remarks/Method |
|---|---|---|
| ph | 7.5 | at 20°C |
| Melting point/freezing point | | No information available |
| Initial boiling point and boiling range | | No information available |
| Flash point | | No information available |
| Evaporation rate | | No information available |
| Flammability (solid, gas) | | No information available |
| Upper flammability limit | | No information available |
| Lower flammability limit | | No information available |
| Vapor pressure | | No information available |
| Vapor density | | No information available |
| Relative density | | No information available |
| Solubility | | No information available |
| Solubility in other solvents | | No information available |
| Partition coefficient: n-octanol/water | | No information available |
| Autoignition temperatur | | No information available |
| Decomposition temperature | | No information available |
| Viscosity | | No information available |
| Viscosity, dynamic | | No information available |
| Explosive properties | | No information available |
| Oxidizing properties | | No information available |

### 9.2. Other information

| | |
|---|---|
| Softening point | No information available |
| Molecular Weight | No information available |
| Bulk Density VALUE | No information available |
| VOC content | No information available |
| Density | No information available |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

| | |
|---|---|
| Hazardous polymerization | None under normal processing. |
| Hazardous reactions | None under normal processing. |

## 10.4. Conditions to avoid

Extremes of temperature and direct sunlight. Over a period of time, sodium azide may react with copper, lead, brass, or solder in plumbing systems to form an accumulation of the HIGHLY EXPLOSIVE compounds of lead azide & copper azide

## 10.5. Incompatible materials

Strong oxidizing agents. Strong acids.

## 10.6. Hazardous decomposition products

Nitrogen oxides (NOx).

## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

This product is for experimental uses only. The product has not been completely analyzed and all of the hazards may not be known. Please use caution while handling this product.

| Chemical Name | LD50 oral | LD50 dermal | LD50 inhalation |
|---|---|---|---|
| Sodium azide | 27 mg/kg (Rat) | 20 mg/kg ( Rabbit )<br>50 mg/kg ( Rat ) | - |

| | |
|---|---|
| ATEmix (oral) | >5000 mg/kg (ATE) |
| ATEmix (dermal) | >5000 mg/kg (ATE) |
| ATEmix (inhalation-dust/mist) | >5 mg/l (ATE) |

## 1.2 Information on likely routes of exposure

| | |
|---|---|
| Inhalation | Avoid breathing vapors or mists. May cause irritation of respiratory tract. |
| Eye contact | Avoid contact with eyes. May cause slight irritation. |
| Skin contact | Avoid contact with skin. |
| Ingestion | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

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

| | |
|---|---|
| Symptoms | Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing. |
| Skin corrosion/irritation | No information available. |
| Sensitization | No information available. |
| Mutagenic effects | No information available. |
| Carcinogenic effects | No information available. |
| Reproductive toxicity | No information available. |

| | |
|---|---|
| STOT - single exposure | No information available. |
| STOT - repeated exposur | No information available. |
| Aspiration Hazard | No information available. |
| Neurological effects | No information available. |

## SECTION 12: Ecological information

### 12.1. Toxicity

| Chemical Name | Toxicity to algae | Toxicity to fish | Toxicity to daphnia and other aquatic invertebrates |
|---|---|---|---|
| Sodium azide | EC50 0.35 mg/L (Pseudokirchneriella subcapitata) 96 h | LC50 0.8 mg/L (Oncorhynchus mykiss) 96 h<br>LC50 5.46 mg/L (Pimephales promelas) 96 h<br>LC50 0.7 mg/L (Lepomis macrochirus) 96 h | LC100 1 mg/L (Orconectes rusticus) 96 h |

### 12.2. Bioaccumulative potential/ Persistence and degradability/ Mobility in soil

| | |
|---|---|
| Bioaccumulation | No information available. |
| Persistence and degradability | No information available. |
| Mobility in soil | No information available |

### 12.3. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste Disposal Methods

Dispose of in accordance with all applicable national environmental laws and regulations.

### 13.2. Disposal considerations

Do not empty into drains; dispose of this material and its container in a safe way.

## SECTION 14: Transport information

This material is not subject to regulation as a hazardous material for shipping.

## SECTION 15: Regulatory information

### 15.1. North American Inventory Listing

| Chemical Name | TSCA 8(b) | TSCA 12(b) | DSL | NDSL |
|---|---|---|---|---|
| sodium azide | Listed | Not Listed | Listed | Not Listed |

## 15.2. Canadian Workplace Hazardous Materials Information System (WHMIS) Classification

This product does not meet the criteria for classification under the Hazardous Products Act.

## 15.3. 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.

| Chemical Name | CAS No | SARA 313 - Threshold Values % |
|---|---|---|
| sodium azide | 26628-22-8 | 1.0 |

## 15.4. 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 |

## 15.5. CERCLA

| Chemical Name | Hazardous Substances RQs | Extremely Hazardous Substances RQs |
|---|---|---|
| sodium azide | 1000 lb | 1000 lb |

## 15.6. California Proposition 65

This product does not contain any Proposition 65 chemicals.

## 15.7. U.S. State Right-to-Know Regulation

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---|---|---|---|
| sodium azide | Listed | Listed | Listed |

## 15.8. U.S. FIFRA Label Information

This product does not contain any substances regulated as pesticides.

## 15.9. US Commerce Department - Export Administration Regulations Information

This product does not contain any substances regulated under the Chemical Weapons Convention (CWC).

## 15.10. U.S. Drug Enforcement Administration Information

This product does not contain any substances regulated under the DEA.

## SECTION 16: Other information

**Issuing Date:** 2020-10-10

**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.**