

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

Issuing Date: 2018-01-19

**Revision Date:** 2024-05-13

Version: 2

SECTION 1. Identification		
Product identifier		
Product No	7037	
Product name	PathScan® Phospho-Chk2 (Thr68) Sandwich ELISA Kit	
Kit Component	78149: Phospho-Chk2 (Thr68) Rabbit mAb Coated Microwells 4831: Chk2 Mouse Detection mAb 13304: Anti-mouse IgG, HRP-linked Antibody (ELISA Formulated) 7004: TMB Substrate 7002: STOP Solution 9801: ELISA Wash Buffer (20X) 11083: ELISA Sample Diluent 13339: Detection Antibody Diluent 9803: Cell Lysis Buffer (10X) 13515: HRP Diluent	
<u>Hazardous Components</u> 13515: HRP Diluent 7002: STOP Solution 9801: ELISA Wash Buffer (20X) 9803: Cell Lysis Buffer (10X) UN number	UN3265	
Recommended use of the chemical	and restrictions on use	
ldentified uses Manufacturer, importer, supplier	This product is intended for research purposes only.	
Manufacturer address Website Email address Emergency telephone number	Cell Signaling Technology, Inc. 3 Trask Lane Danvers, MA 01923 United States TEL: +1 978 867 2300 FAX: +1 978 867 2400 www.cellsignal.com support@cellsignal.com In case of emergency call CHEMTREC 1-800-424-9300	

# SECTION 2. Hazard(s) identification

## **Classification**

Classification and label elements described below are inclusive of all hazards of the combined kit. The most severe classifications are listed for each endpoint. Refer to individual kit component SDS for classification and label elements for each component present in the kit.

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1

GHS Label elements, including precautionary statements



Signal Word Danger

#### Hazard statement(s)

Causes severe skin burns and eye damage. May cause an allergic skin reaction.

### **Precautionary Statement(s)**

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash face, hands and any exposed skin thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Contaminated work clothing should not be allowed out of the workplace.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

If skin irritation or rash occurs: Get medical advice/attention

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a POISON CENTER or doctor/physician

Store locked up.

Dispose of contents/container to an approved waste disposal plant.

#### **Supplementary Hazard Information**

May produce an allergic reaction.

#### Hazards not otherwise classified (HNOC)

Harmful to aquatic life with long lasting effects.

## **SECTION 3. Composition/information on ingredients**

## **Kit Component**

## 7002: STOP Solution

DANGER: Causes severe skin burns and eye damage. May cause an allergic skin reaction.

Chemical name	CAS No	Weight-%
maleic acid	110-16-7	3-7

## **Kit Component**

### 9801: ELISA Wash Buffer (20X)

WARNING: May cause an allergic skin reaction.

Chemical name	CAS No	Weight-%
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reaction mass of:	55965-84-9	0.005-0.025
5-chloro-2-methyl-4-isothiazolin-3-one [EC no.		
247-500-7] and 2-methyl-2H -isothiazol-3-one [EC		
no. 220-239-6] (3:1)		

## **Kit Component**

### 11083: ELISA Sample Diluent

Chemical name	CAS No	Weight-%
sodium azide	26628-22-8	<0.1

## **Kit Component**

## 9803: Cell Lysis Buffer (10X)

DANGER: Causes serious eye damage. Causes skin irritation. Harmful to aquatic life with long lasting effects.

Chemical name	CAS No	Weight-%
polyethylene glycol	9002-93-1	10
p-(1,1,3,3-tetramethylbutyl)phenylether		
trometamol	77-86-1	1.79
tetrasodium pyrophosphate, decahydrate	13472-36-1	0.1-1

## **Kit Component**

### 13339: Detection Antibody Diluent

Chemical name	CAS No	Weight-%
trometamol	77-86-1	0.5
sodium azide	26628-22-8	<0.1

## **Kit Component**

## 13515: HRP Diluent

### WARNING: May cause an allergic skin reaction

Chemical name	CAS No	Weight-%
reaction mass of:	55965-84-9	0.005-0.025
5-chloro-2-methyl-4-isothiazolin-3-one [EC no.		
247-500-7] and 2-methyl-2H -isothiazol-3-one [EC		
no. 220-239-6] (3:1)		
trometamol	77-86-1	0.5

Kit Component	4831: Chk2 Mouse Detection mAb 78149: Phospho-Chk2 (Thr68) Rabbit mAb Coated Microwells 7004: TMB Substrate
	13304: Anti-mouse IgG, HRP-linked Antibody (ELISA Formulated)

These products do not contain substances at concentrations requiring disclosure under 29 CFR 1910.1200 (OSHA Hazard Communication Standard).

# **SECTION 4. First-aid measures**

Eye contact	Immediate medical attention is required. Rinse immediately with plenty of water, also under the evelids, for at least 15 minutes.
Skin contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Immediate medical attention is required.
Inhalation	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

	Get medical attention immediately if symptoms occur. If breathing is difficult, give oxygen.
Ingestion	Get medical attention. Clean mouth with water and afterwards drink plenty of water. Do
	NOT induce vomiting. Never give anything by mouth to an unconscious person.

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

Contains kit components which may cause the following effects, refer to individual component SDSs for full information on symptoms. Corrosive. Significant esophageal or gastrointestinal tract irritation or burns may occur following ingestion. Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes. Respiratory tract irritation, if severe, can progress to pulmonary edema which may be delayed in onset up to 24 to 72 hours after exposure in some cases. Contains an animal derived biological. May produce an allergic reaction in susceptible individuals. 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.

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

Probable mucosal damage may contraindicate the use of gastric lavage.

#### Advice for emergency responders

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. Fire-fighting measures**

### Extinguishing media

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Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
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### Specific hazards arising from the chemical

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes.

#### Explosion Data

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

#### Protective Equipment and Precautions 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

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

For non-emergency personnel	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation.
Other information	Refer to protective measures listed in Sections 7 and 8.

### Environmental precautions

Do not allow material to contaminate ground water system. Should not be released into the environment. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so.

#### 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	Take up mechanically, placing in appropriate containers for disposal. Dike far ahead of
	liquid spill for later disposal. Soak up with inert absorbent material. Clean contaminated surface thoroughly.

# **SECTION 7. Handling and storage**

### Precautions for safe handling

Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation at machinery.

### Conditions for safe storage, including any incompatibilities

Technical measures/Storage	Keep away from direct sunlight. Keep containers tightly closed in a dry, cool and
conditions	well-ventilated place.
Packaging material	No information available.
Incompatible products	Incompatible with strong acids and bases, Incompatible with oxidizing agents

# **SECTION 8. Exposure controls/personal protection**

## Control parameters

Occupational exposure limit values			
Chemical name	ACGIH TLV	OSHA PEL	NIOSH REL
tetrasodium pyrophosphate, decahydrate	-	-	TWA : 5 mg/m <sup>3</sup>
sodium azide	Ceiling: 0.29 mg/m <sup>3</sup>	-	Ceiling: 0.1 ppm
	Ceiling: 0.11 ppm		Ceiling: 0.3 mg/m <sup>3</sup>

#### Appropriate engineering controls

Showers, eyewash stations, and ventilation systems.

#### 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	Tightly fitting safety goggles. Face-shield.
Skin and body protection	Wear protective gloves/clothing.
Respiratory protection	In case of inadequate ventilation wear respiratory protection.
Hygiene measures	Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace. Provide regular cleaning of equipment, work area and clothing. Keep away from food, drink and animal feeding stuffs. Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection.

# **SECTION 9. Physical and chemical properties**

Information on the known physical chemical properties of each component within Kit are given below. If not included, information is

either not available or not applicable. Refer to individual kit component SDS for further information.

#### Information on basic physical and chemical properties

# **Kit Component**

Physical state Appearance Color pH

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Physical state Appearance Color pH

## **Kit Component**

Physical state Appearance Color

## Kit Component

Physical state Appearance Color pH

Kit Component Physical state Appearance 7004: TMB Substrate Liquid Clear Light yellow 3.3-3.8 (20 °C)

## 7002: STOP Solution

Liquid Clear Colorless 1.2 (20 °C)

#### 9801: ELISA Wash Buffer (20X)

Liquid Clear Colorless 6.4 (20 °C)

### 11083: ELISA Sample Diluent

Liquid Clear Blue 7.1 (20 °C)

#### 9803: Cell Lysis Buffer (10X)

Liquid Clear Colorless 7.5 (20 °C)

## 4831: Chk2 Mouse Detection mAb

Solid Lyophilized, Powder Green

#### 13339: Detection Antibody Diluent

Liquid Clear Green 7.4 (20 °C)

#### **13304: Anti-mouse IgG, HRP-linked Antibody (ELISA Formulated)** Solid Lyophilized, Powder Red

13515: HRP Diluent

Liquid Clear Red 7.4 (20 °C)

#### 78149: Phospho-Chk2 (Thr68) Rabbit mAb Coated Microwells Solid Microwell Plate

# **SECTION 10. Stability and reactivity**

## **Reactivity**

No information available.

## Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

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

#### 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

### Incompatible Materials

Incompatible with strong acids and bases, Incompatible with oxidizing agents

### Hazardous Decomposition Products

Thermal decomposition can lead to release of toxic/corrosive gases and vapors

## **SECTION 11. Toxicological information**

#### Information on likely routes of exposure

#### **Product Information**

Refer to kit component SDS for full toxicological information. This material should only be handled by, or under the close supervision of, those properly qualified in the handling and use of potentially hazardous chemicals. It should be borne in mind that the toxicological and physiological properties of this compound is not well defined.

#### Inhalation

Kit Component	7002: STOP Solution
Inhalation	Aerosol expected to be irritating based on components
Kit Component	<b>9801: ELISA Wash Buffer (20X)</b>
Inhalation	Avoid breathing vapors or mists May cause irritation of respiratory tract
Kit Component	4831: Chk2 Mouse Detection mAb
Inhalation	May cause allergic respiratory reaction
Kit Component	13304: Anti-mouse IgG, HRP-linked Antibody (ELISA Formulated)
Inhalation	May cause allergic respiratory reaction
Kit Component	<b>13515: HRP Diluent</b>
Inhalation	Avoid breathing vapors or mists May cause irritation of respiratory tract
/e contact	

#### Eye contact

Kit Component	7002: STOP Solution
Eye contact	May cause irreversible damage to eyes
Kit Component	<b>9801: ELISA Wash Buffer (20X)</b>
Eye contact	Expected to be an irritant based on components
Kit Component	9803: Cell Lysis Buffer (10X)
Eye contact	Expected to be an irritant based on components
Kit Component	13515: HRP Diluent
Eye contact	Contact with eyes may cause irritation
Skin contact	
Kit Component	7002: STOP Solution
Skin contact	Corrosive to skin Prolonged contact with skin is harmful
Kit Component Skin contact	<b>9801: ELISA Wash Buffer (20X)</b> Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Expected to be an irritant based on components
Kit Component	<b>4831: Chk2 Mouse Detection mAb</b>
Skin contact	Repeated or prolonged skin contact may cause allergic reactions with susceptible persons
Kit Component	13304: Anti-mouse IgG, HRP-linked Antibody (ELISA Formulated)
Skin contact	Repeated or prolonged skin contact may cause allergic reactions with susceptible persons
Kit Component	<b>13515: HRP Diluent</b>
Skin contact	Repeated or prolonged skin contact may cause allergic reactions with susceptible persons
Ingestion	
Kit Component	<b>7002: STOP Solution</b>
Ingestion	Ingestion causes burns of the upper digestive and respiratory tract. Harmful if swallowed
Kit Component	<b>9801: ELISA Wash Buffer (20X)</b>
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

# Information on toxicological effects

## **Component Information**

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
polyethylene glycol	= 1800 mg/kg (Rat)	-	-
p-(1,1,3,3-tetramethylbutyl)phenylet			
her			
maleic acid	708 mg/kg(Rat)	1,560 mg/kg ( Rabbit )	> 0.72 mg/L ( Rat ) 1h
trometamol	5900 mg/kg ( Rat )	-	-
sodium azide	= 27 mg/kg (Rat)	= 20 mg/kg (Rabbit)= 50 mg/kg (	-
		Rat )	
reaction mass of:	= 53 mg/kg (Rat) = 481 mg/kg	= 200 mg/kg (Rabbit)	= 1.23 mg/L (Rat) 4 h = 0.11 mg/L
5-chloro-2-methyl-4-isothiazolin-3-o	(Rat) 232 - 249 mg/kg (Rat) = 120		(Rat)4 h
ne [EC no. 247-500-7] and	mg/kg (Rat)		
2-methyl-2H -isothiazol-3-one [EC			
no. 220-239-6] (3:1)			

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

Symptoms Skin and Eye Corrosion/Irritation	Contains kit components which may cause the following effects, refer to individual component SDSs for full information on symptoms. Corrosive. Significant esophageal or gastrointestinal tract irritation or burns may occur following ingestion. Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes. Respiratory tract irritation, if severe, can progress to pulmonary edema which may be delayed in onset up to 24 to 72 hours after exposure in some cases. Contains an animal derived biological. May produce an allergic reaction in susceptible individuals. 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.
Kit Component	7002: STOP Solution
Serious eye damage/eye irritation	Risk of serious damage to eyes
Skin corrosion/irritation	Causes burns
Kit Component	9801: ELISA Wash Buffer (20X)
Serious eye damage/eye irritation	Causes serious eye irritation
Skin corrosion/irritation	Causes skin irritation
Kit Component	9803: Cell Lysis Buffer (10X)
Serious eye damage/eye irritation	Irritating to eyes
Sensitization	
Kit Component	7002: STOP Solution
Skin Sensitization	May cause skin sensitization
Kit Component	<b>9801: ELISA Wash Buffer (20X)</b>
Skin Sensitization	Product is or contains a sensitizer. May cause an allergic skin reaction
<b>Kit Component</b>	<b>4831: Chk2 Mouse Detection mAb</b>
Respiratory Sensitization	May cause allergy or asthma symptoms or breathing difficulties if inhaled
Skin Sensitization	May cause skin sensitization
<b>Kit Component</b>	<b>13304: Anti-mouse IgG, HRP-linked Antibody (ELISA Formulated)</b>
Respiratory Sensitization	May cause allergy or asthma symptoms or breathing difficulties if inhaled
Skin Sensitization	May cause skin sensitization
Kit Component	<b>13515: HRP Diluent</b>
Skin Sensitization	Product is or contains a sensitizer. May cause an allergic skin reaction
Mutagenic effects	
Kit Component	7002: STOP Solution
Mutagenic effects	Not mutagenic in AMES Test
Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identifiable as probable, possible or confirmed carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive toxicity	No information available.
Systemic Target Organ Toxicity (STOT)	

Kit Component STOT - single exposure 7002: STOP Solution Respiratory system

**Aspiration Hazard** 

No information available.

# **SECTION 12. Ecological information**

## **Ecotoxicity**

## **Product Information**

Kit Component Ecotoxicity	7002: STOP Solution Toxic to aquatic life
Kit Component	9801: ELISA Wash Buffer (20X)
Ecotoxicity	Harmful to aquatic life with long lasting effe

Harmful to aquatic life with long lasting effects

## **Component Information**

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenylet her	-	LC50 8.9 mg/l (Pimephales promelas) 96 h	EC50 26 mg/l (Daphnia) 48 h
maleic acid	-	LC50 5 mg/L (Pimephales promelas) 96 h	EC50 250 - 400 mg/L (Daphnia magna) 48 h
trometamol	-	-	NOEC >100 mg/L (Selenastrum capricornutum) 96 h
sodium azide	EC50 0.35 mg/L (Pseudokirchneriella subcapitata) 96 h		LC100 1 mg/L (Orconectes rusticus) 96 h
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-o ne [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	EC50 0.11 - 0.16 mg/L (Pseudokirchneriella subcapitata) 72 h EC50 0.31 mg/L (Anabaena flos-aquae) 120 h EC50 0.03 - 0.13 mg/L (Pseudokirchneriella subcapitata) 96 h	, , , , , , , , , , , , , , , , , , ,	EC50 4.71 mg/L (Daphnia magna) 48 h EC50 0.71 - 0.99 mg/L (Daphnia magna) 48 h EC50 0.12 - 0.3 mg/L (Daphnia magna) 48 h

# Persistence and degradability

Kit Component	7002: STOP Solution
Persistence and degradability	Product is biodegradable
Kit Component	9801: ELISA Wash Buffer (20X)
Persistence and degradability	Not readily biodegradable

# **Bioaccumulation**

Kit Component	7002: STOP Solution		
Bioaccumulation	Not likely to bioaccumulate		
Kit Component	9801: ELISA Wash Buffer		
Bioaccumulation	Not likely to bioaccumulate		

Chemical name	Octanol-Water Partition Coefficient
maleic acid	0.32

(20X)

## Mobility

<b>Kit Component</b>	<b>7002: STOP Solution</b>
Mobility	Will likely be mobile in the environment due to its water solubility
<b>Kit Component</b>	<b>9801: ELISA Wash Buffer (20X)</b>
Mobility	Will likely be mobile in the environment due to its water solubility

## Other adverse effects

No information available.

# **SECTION 13. Disposal considerations**

## Waste Disposal Methods

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

#### **Disposal considerations**

Do not empty into drains; dispose of this material and its container in a safe way. Dispose of wastes in an approved waste disposal facility.

# **SECTION 14. Transport information**

This material is subject to regulation as a hazardous material for shipping:

### DOT

UN number	UN3265
UN proper shipping name	Corrosive liquid, acidic, organic, n.o.s. (maleic acid)
Transport hazard class(es)	8
Packing group	III
IATA	
UN number	UN3265
UN proper shipping name	Corrosive liquid, acidic, organic, n.o.s. (maleic acid)
Transport hazard class(es)	8

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# **SECTION 15.** Regulatory information

## North American Inventory Listing

Packing group Excepted Quantity

Chemical name	TSCA 8(b)	TSCA 12(b)	DSL	NDSL
polyethylene glycol	Listed	Not Listed	Listed	Not Listed
p-(1,1,3,3-tetramethylbutyl)phen				
ylether				
maleic acid	Listed	Not Listed	Listed	Not Listed
trometamol	Listed	Not Listed	Listed	Not Listed
sodium azide	Listed	Not Listed	Listed	Not Listed

reaction mass of:	Not Listed	Section 5: 1 %	Listed	Not Listed
5-chloro-2-methyl-4-isothiazolin-				
3-one [EC no. 247-500-7] and				
2-methyl-2H -isothiazol-3-one				
[EC no. 220-239-6] (3:1)				

# SARA 313

Chemical name	CAS No	SARA 313 - Threshold Values %
sodium azide	26628-22-8	1.0
trisodium tetraoxovanadate	13721-39-6	1.0
magnesium nitrate	10377-60-3	1.0
copper dinitrate	3251-23-8	1.0

## SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

## Clean Water Act

Refer to kit component SDS for full Clean Water Act (CWA) reporting requirements.

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances	CWA - Bioaccumulative Chemicals of Concern (BCCs)
maleic acid	5000 lb	Not Listed	Not Listed	Listed	Not Listed

# CERCLA

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
maleic acid	5000 lb	Not Listed
sodium azide	1000 lb	1000 lb

# California Proposition 65

This product does not contain any Proposition 65 chemicals.

## U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
maleic acid	Listed	Listed	Listed
disodium hydrogenorthophosphate	Listed	Listed	Listed
tetrasodium pyrophosphate, decahydrate	Listed	Listed	Listed
sodium azide	Listed	Listed	Listed
trisodium tetraoxovanadate	Listed	Not Listed	Not Listed
magnesium nitrate	Listed	Listed	Listed
copper dinitrate	Listed	Listed	Listed

# **SECTION 16.** Other information

**Issuing Date:** 2018-01-19 **Revision Date:** 2024-05-13

### **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