

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

Issuing Date: 2020-11-20 Revision Date: 2024-06-06 Version: 4

## **SECTION 1. Identification**

Product identifier

Product No 42173

Product name FastScan<sup>TM</sup> Phospho-p44/42 MAPK (Thr202/Tyr204)

**ELISA Kit** 

**Kit Component** 63179: p44/42 MAP Kinase Mouse Capture mAb

86559: Phospho-p44/42 MAPK (T202/Y204) Rabbit HRP-linked mAb

9801: ELISA Wash Buffer (20X)

7004: TMB Substrate 7002: STOP Solution

16076: FastScan™ ELISA Capture Antibody Diluent 28120: FastScan™ ELISA HRP Antibody Diluent 69905: FastScan™ ELISA Cell Extraction Buffer (5X)

25243: FastScan™ ELISA Cell Extraction Enhancer Solution (50X) 96233: FastScan® ELISA Kit #42173 Positive Control Type 2

**Hazardous Components** 

9801: ELISA Wash Buffer (20X)

7002: STOP Solution

16076: FastScan™ ELISA Capture Antibody Diluent 28120: FastScan™ ELISA HRP Antibody Diluent 69905: FastScan™ ELISA Cell Extraction Buffer (5X)

25243: FastScan™ ELISA Cell Extraction Enhancer Solution (50X)

UN number UN3265

## Recommended use of the chemical and restrictions on use

**Identified uses** This product is intended for research purposes only.

Manufacturer, importer, supplier

Manufacturer address Cell Signaling Technology, Inc.

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## 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
Chronic aquatic toxicity	Category 3

### GHS Label elements, including precautionary statements



#### Signal Word Danger

## Hazard statement(s)

May cause an allergic skin reaction.

Causes severe skin burns and eve damage.

Harmful to aquatic life with long lasting effects.

## **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.

Avoid release to the environment.

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**

## Hazards not otherwise classified (HNOC)

Not applicable.

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

Kit Component 16076: FastScan™ ELISA Capture Antibody Diluent

WARNING: May cause an allergic skin reaction.

	Chemical name	CAS No	Weight-%
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reaction mass of:	55965-84-9	0.0025-0.0125
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**

## 28120: FastScan™ ELISA HRP Antibody Diluent

WARNING: May cause an allergic skin reaction.

Chemical name	CAS No	Weight-%
reaction mass of:	55965-84-9	0.0015
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**

### 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-%
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**

## 69905: FastScan™ ELISA Cell Extraction Buffer (5X)

WARNING: Causes serious eye damage. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.

Chemical name	CAS No	Weight-%
polyethylene glycol	9002-93-1	1-<3
p-(1,1,3,3-tetramethylbutyl)phenylether		
reaction mass of:	55965-84-9	0.0025-0.0125
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)		

Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenylether is a suspected endocrine disruptor

## **Kit Component**

## 25243: FastScan™ ELISA Cell Extraction Enhancer Solution (50X)

WARNING: Causes serious eye irritation May cause an allergic skin reaction

Chemical name	CAS No	Weight-%
sodium dodecyl sulphate	151-21-3	1-3
reaction mass of: 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)	55965-84-9	0.001-0.005

Kit Component 96233: FastScan® ELISA Kit #42173 Positive Control Type 2

63179: p44/42 MAP Kinase Mouse Capture mAb

86559: Phospho-p44/42 MAPK (T202/Y204) Rabbit HRP-linked mAb

7004: TMB Substrate

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 Immediately flush with plenty of water. After initial flushing, remove any contact lenses and

continue flushing for at least 15 minutes. Consult a physician.

Skin contact Immediate medical attention is required. Wash off immediately with soap and plenty of

water removing all contaminated clothes and shoes. May cause an allergic skin reaction. Immediate medical attention is required. May cause allergic respiratory reaction. IF

INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately if symptoms occur. Administer oxygen if breathing is difficult.

If not breathing, give artificial respiration.

**Ingestion** Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without

medical advice. If symptoms persist, call a physician. Never give anything by mouth to an

unconscious person.

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

Skin irritation. Eye irritation. Respiratory irritation. May cause an allergic skin reaction including itching, redness, and rash. May cause allergic respiratory reaction. Significant esophageal or gastrointestinal tract irritation or burns may occur following ingestion. 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.

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

May cause sensitization by inhalation and skin contact. Treat symptomatically.

## Advice for emergency responders

General advice

**Protection of first-aiders** 

Call a doctor immediately if allergic signs, particularly in the respiratory tract, are observed. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves

## **SECTION 5. Fire-fighting measures**

## **Extinguishing media**

Inhalation

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the

surrounding environment

Unsuitable Extinguishing Media No information available

### Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of fire and/or explosion do not breathe fumes. Product is or contains a sensitizer.

## **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 Avoid contact with skin, eyes and clothing. Use personal protective equipment. Do not touch

damaged containers or spilled material unless wearing appropriate protective clothing. Keep

people away from and upwind of spill/leak. Avoid dust formation.

Other information No information available.

#### **Environmental precautions**

Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Do not allow material to contaminate ground water system. Should not be released into the environment.

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

Methods for containment Prevent further leakage or spillage if safe to do so. Prevent dust cloud.

Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labeled Methods for cleaning up

containers. Clean contaminated surface thoroughly. Prevent product from entering drains.

## SECTION 7. Handling and storage

### Precautions for safe handling

Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Avoid dust formation.

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

Technical measures/Storage

conditions

Packaging material

Incompatible products

Keep container tightly closed in a dry and well-ventilated place. Protect from light.

No information available

Acids, Alkalis, Strong acids, Strong bases, Strong oxidizing agents, Strong reducing agents,

Metals

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

### Control parameters

#### Occupational exposure limit values

No information available.

#### 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**Safety glasses with side-shields.

Skin and body protection
Wear protective gloves/clothing.

**Respiratory protection** In case of inadequate ventilation wear respiratory protection.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice. Provide regular

cleaning of equipment, work area and clothing.

## **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 63179: p44/42 MAP Kinase Mouse Capture mAb

Physical state Solid

Appearance Lyophilized, Powder

Color Green

Kit Component 86559: Phospho-p44/42 MAPK (T202/Y204) Rabbit HRP-linked mAb

Physical state Solid

Appearance Lyophilized, Powder

Color Red

Kit Component 16076: FastScan™ ELISA Capture Antibody Diluent

Physical state Liquid
Appearance Clear
Color Green
pH 7.4
Remarks @ 20 °C

Kit Component 28120: FastScan™ ELISA HRP Antibody Diluent

Physical state

Color

pH

6.8-7.2

Remarks

@ 20 °C

Boiling point/range (°C) VALUE

Boiling point/range (°F) VALUE

212

Soluble in water

Kit Component 7004: TMB Substrate

Physical state Liquid
Appearance Clear
Color Light yellow
pH 3.3-3.8
Remarks @ 20 °C

Kit Component 7002: STOP Solution

Physical state Liquid
Appearance Clear
Color Colorless
pH 1.2
Remarks @ 20 °C

Kit Component 9801: ELISA Wash Buffer (20X)

Physical state Liquid Appearance Clear Color Colorless pH 6.4 Remarks @ 20 °C

Kit Component 69905: FastScan™ ELISA Cell Extraction Buffer (5X)

Physical state Liquid
Appearance Clear
Color light yellow
pH 7

Remarks @ 20 °C

Kit Component 25243: FastScan™ ELISA Cell Extraction Enhancer Solution (50X)

Physical state Liquid
Appearance Clear
Color Colorless

Kit Component 54396: FastScan™ ELISA Kit #42173 Positive Control Type 1

Physical state Solid

Appearance Lyophilized, Powder

Color White

## **SECTION 10. Stability and reactivity**

### Reactivity

No information available.

### **Chemical stability**

Stable under recommended storage conditions.

## Possibility of hazardous reactions

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

#### **Conditions to Avoid**

Excessive heat, Exposure to air or moisture over prolonged periods

## **Incompatible Materials**

Acids, Alkalis, Strong acids, Strong bases, Strong oxidizing agents, Strong reducing agents, Metals

## **Hazardous Decomposition Products**

Thermal decomposition can lead to release of irritating gases and vapors, Carbon oxides (COx), Nitrogen oxides (NOx)

## **SECTION 11. Toxicological information**

### Information on likely routes of exposure

## **Product 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 63179: p44/42 MAP Kinase Mouse Capture mAb

Inhalation May cause allergic respiratory reaction

Kit Component 86559: Phospho-p44/42 MAPK (T202/Y204) Rabbit HRP-linked mAb

Inhalation May cause allergic respiratory reaction

Kit Component 28120: FastScan™ ELISA HRP Antibody Diluent

Inhalation May cause irritation of respiratory tract

Kit Component 7002: STOP Solution

Inhalation Aerosol expected to be irritating based on components

Kit Component 9801: ELISA Wash Buffer (20X)

Inhalation Avoid breathing vapors or mists May cause irritation of respiratory tract

Kit Component 69905: FastScan™ ELISA Cell Extraction Buffer (5X)

Inhalation May cause irritation of respiratory tract

Eye contact

Kit Component 63179: p44/42 MAP Kinase Mouse Capture mAb

Eye contact May cause slight irritation

Kit Component 86559: Phospho-p44/42 MAPK (T202/Y204) Rabbit HRP-linked mAb

Eye contact May cause slight irritation

Kit Component 28120: FastScan™ ELISA HRP Antibody Diluent

Eye contact May cause temporary eye irritation

Kit Component 7002: STOP Solution

Eye contact May cause irreversible damage to eyes

Kit Component 9801: ELISA Wash Buffer (20X)

Eye contact Expected to be an irritant based on components

Kit Component 69905: FastScan™ ELISA Cell Extraction Buffer (5X)

Eye contact May cause irritation

Kit Component 25243: FastScan™ ELISA Cell Extraction Enhancer Solution (50X)

Eye contact May cause irritation

Skin contact

Kit Component 63179: p44/42 MAP Kinase Mouse Capture mAb

Skin contact Repeated or prolonged skin contact may cause allergic reactions with susceptible persons

Kit Component 86559: Phospho-p44/42 MAPK (T202/Y204) Rabbit HRP-linked mAb

Skin contact Repeated or prolonged skin contact may cause allergic reactions with susceptible persons

Kit Component 16076: FastScan™ ELISA Capture Antibody Diluent

Skin contact Repeated or prolonged skin contact may cause allergic reactions with susceptible persons

Kit Component 28120: FastScan™ ELISA HRP Antibody Diluent

Skin contact May cause irritation

Kit Component 7002: STOP Solution

Skin contact Corrosive to skin Prolonged contact with skin is harmful

Kit Component 9801: ELISA Wash Buffer (20X)

Skin contact Repeated or prolonged skin contact may cause allergic reactions with susceptible persons

Expected to be an irritant based on components

Kit Component 25243: FastScan™ ELISA Cell Extraction Enhancer Solution (50X)

Skin contact May cause sensitization by skin contact

Kit Component 54396: FastScan™ ELISA Kit #42173 Positive Control Type 1

Skin contact Irritating to skin

**Ingestion** 

Kit Component 63179: p44/42 MAP Kinase Mouse Capture mAb

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

Kit Component 86559: Phospho-p44/42 MAPK (T202/Y204) Rabbit HRP-linked mAb

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

Kit Component 28120: FastScan™ ELISA HRP Antibody Diluent

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

Kit Component 7002: STOP Solution

Ingestion Ingestion causes burns of the upper digestive and respiratory tract. Harmful if swallowed

Kit Component 9801: ELISA Wash Buffer (20X)

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

Kit Component 69905: FastScan™ ELISA Cell Extraction Buffer (5X) Ingestion may cause irritation to mucous membranes

#### Information on toxicological effects

### **Component Information**

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
maleic acid	708 mg/kg ( Rat )	1,560 mg/kg ( Rabbit )	> 0.72 mg/L ( Rat ) 1h
sodium dodecyl sulphate	= 1288 mg/kg (Rat)	= 200 mg/kg (Rabbit)	> 3900 mg/m³ (Rat) 1 h
polyethylene glycol	= 1800 mg/kg (Rat)	-	-
p-(1,1,3,3-tetramethylbutyl)phenylet			
her			
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 irritation. Eye irritation. Respiratory irritation. May cause an allergic skin reaction

including itching, redness, and rash. May cause allergic respiratory reaction. Significant esophageal or gastrointestinal tract irritation or burns may occur following ingestion. 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.

Skin and Eye Corrosion/Irritation

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

Sensitization

Kit Component Skin Sensitization

Respiratory Sensitization

63179: p44/42 MAP Kinase Mouse Capture mAb

Respiratory Sensitizer May cause skin sensitization

**Kit Component** 

86559: Phospho-p44/42 MAPK (T202/Y204) Rabbit HRP-linked mAb

Respiratory Sensitization Respiratory Sensitizer Skin Sensitization May cause skin sensitization

**Kit Component** Skin Sensitization

Kit Component

16076: FastScan™ ELISA Capture Antibody Diluent As a precaution the product should be treated as a sensitizer

28120: FastScan™ ELISA HRP Antibody Diluent

Skin Sensitization May cause skin sensitization

Kit Component Skin Sensitization 7002: STOP Solution

May cause skin sensitization

**Kit Component** 9801: ELISA Wash Buffer (20X)

Skin Sensitization Product is or contains a sensitizer. May cause an allergic skin reaction

**Kit Component** 69905: FastScan™ ELISA Cell Extraction Buffer (5X) Skin Sensitization As a precaution the product should be treated as a sensitizer

**Kit Component** 25243: FastScan™ ELISA Cell Extraction Enhancer Solution (50X)

Skin Sensitization As a precaution the product should be treated as a sensitizer

Kit Component 54396: FastScan™ ELISA Kit #42173 Positive Control Type 1

Skin Sensitization May cause skin sensitization

**Mutagenic effects** 

Carcinogenicity

Kit Component Mutagenic effects 7002: STOP Solution

Not mutagenic in AMES Test

as probable, possible or confirmed carcinogen by IARC, ACGIH, NTP, or OSHA.

No component of this product present at levels greater than or equal to 0.1% is identifiable

No information available. Reproductive toxicity

**Systemic Target Organ Toxicity** 

(STOT)

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

**Aspiration Hazard** No information available.

## **SECTION 12. Ecological information**

## **Ecotoxicity**

### **Product Information**

Kit Component 9801: ELISA Wash Buffer (20X)

Ecotoxicity 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
maleic acid	-	LC50 5 mg/L (Pimephales promelas) 96 h	EC50 250 - 400 mg/L (Daphnia magna) 48 h
sodium dodecyl sulphate	subspicatus) 96 h EC50 3.59 - 15.6 mg/L (Pseudokirchneriella subcapitata) 96 h EC50 117 mg/L (Pseudokirchneriella subcapitata) 96 h	mykiss) 96 h LC50 7.97 mg/L (Brachydanio rerio) 96 h LC50 9.9 - 20.1 mg/L (Brachydanio rerio) 96 h LC50 4.06 - 5.75 mg/L (Lepomis macrochirus) 96 h LC50 4.2 - 4.8 mg/L (Lepomis macrochirus) 96 h LC50 4.5 mg/L (Lepomis macrochirus) 96 h LC50 5.8 - 7.5 mg/L (Pimephales promelas) 96 h LC50 10.2 - 22.5 mg/L (Pimephales promelas) 96 h LC50 13.5 - 18.3 mg/L (Poecilia reticulata) 96 h LC50 10.8 - 16.6 mg/L (Poecilia reticulata) 96 h LC50 1.31 mg/L (Cyprinus carpio) 96 h LC50 15 - 18.9 mg/L (Pimephales promelas) 96 h LC50 15 - 18.9 mg/L (Pimephales promelas) 96 h LC50 15 - 18.9 mg/L (Pimephales promelas) 96 h LC50 15 - 18.9 mg/L (Pimephales promelas) 96 h LC50 15 - 18.9 mg/L (Pimephales promelas) 96 h	
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
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	LC50 1.6 mg/L (Oncorhynchus mykiss) 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 16076: FastScan™ ELISA Capture Antibody Diluent

Persistence and degradability Not readily biodegradable

**Kit Component**Persistence and degradability

7002: STOP Solution
Product is biodegradable

Kit Component 9801: ELISA Wash Buffer (20X)

Persistence and degradability Not readily biodegradable

## **Bioaccumulation**

**Kit Component**Bioaccumulation

7002: STOP Solution
Not likely to bioaccumulate

Bioconcentration factor (BCF) 11 (maleic acid)

**Kit Component**Bioaccumulation

9801: ELISA Wash Buffer (20X)
Not likely to bioaccumulate

Chemical name	Octanol-Water Partition Coefficient
maleic acid	0.32
sodium dodecyl sulphate	1.6

### **Mobility**

Kit Component 7002: STOP Solution

Mobility Will likely be mobile in the environment due to its water solubility

Kit Component 9801: ELISA Wash Buffer (20X)

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 | |||

**IATA** 

UN number UN3265

**UN proper shipping name**Corrosive liquid, acidic, organic, n.o.s. (maleic acid)

Transport hazard class(es) 8
Packing group III
Excepted Quantity E1

## **SECTION 15. Regulatory information**

### North American Inventory Listing

This product contains a chemical or chemicals included in the Toxic Substances Control Act (TSCA) Chemical Substance

Inventory, Domestic Substances List (DSL) and/or Non-Domestic Substances List (NDSL):

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

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or 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 %	
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

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

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

## **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

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

### California Proposition 65

This product does not contain any Proposition 65 chemicals.

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

This product contains the following U.S. State Right to Know chemicals:

Chemical name	New Jersey	Massachusetts	Pennsylvania
maleic acid	Listed	Listed	Listed
disodium	Listed	Listed	Listed
hydrogenorthophosphate			

sodium fluoride	Listed	Listed	Listed
trisodium tetraoxovanadate	Listed	Not Listed	Not Listed
Sodium Phosphate Dibasic Heptahydrate	Listed	Listed	Listed
magnesium nitrate	Listed	Listed	Listed
copper dinitrate	Listed	Listed	Listed

## **SECTION 16. Other information**

**Issuing Date:** 2020-11-20 **Revision Date:** 2024-06-06

### **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**