



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

**Issuing Date:** 2018-01-19

**Revision Date:** 2024-05-22

**Version:** 3

## SECTION 1. Identification

### Product identifier

**Product No** 7073  
**Product name** PathScan® Phospho-IKK $\alpha$  (Ser176/180) Sandwich ELISA Kit

**Kit Component**

- 16092: Phospho-IKK(S176/180) Rabbit mAb Coated Microwells
- 32250: IKK $\alpha$  Mouse Detection mAb
- 13304: Anti-mouse IgG, HRP-linked Antibody (ELISA Formulated)
- 13339: Detection Antibody Diluent
- 13515: HRP Diluent
- 7004: TMB Substrate
- 7002: STOP Solution
- 9801: ELISA Wash Buffer (20X)
- 11083: ELISA Sample Diluent
- 7018: PathScan® Sandwich ELISA Lysis Buffer (1X)

### Hazardous Components

13515: HRP Diluent  
9801: ELISA Wash Buffer (20X)  
7002: STOP Solution  
7018: PathScan® Sandwich ELISA Lysis Buffer (1X)  
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.  
3 Trask Lane  
Danvers, MA 01923  
United States  
TEL: +1 978 867 2300  
FAX: +1 978 867 2400

**Website** www.cellsignal.com  
**Email address** support@cellsignal.com  
**Emergency telephone number** 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. This substance/mixture is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

<b>Skin corrosion/irritation</b>	Category 1
<b>Serious eye damage/eye irritation</b>	Category 1
<b>Skin sensitization</b>	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.  
Obtain special instructions before use.  
Avoid contact during pregnancy/while nursing.  
Do not eat, drink or smoke when using this product.  
Immediately call a POISON CENTER or doctor/physician  
IF exposed or concerned: Get medical advice/attention  
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  
Dispose of contents/container to an approved waste disposal plant.

#### Supplementary Hazard Information

May produce an allergic reaction.

#### Hazards not otherwise classified (HNOC)

Contact with acids liberates very toxic gas.

### 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-%
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	0.005-0.025

**Kit Component 11083: ELISA Sample Diluent**

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

**Kit Component 7018: PathScan® Sandwich ELISA Lysis Buffer (1X)**

WARNING: Causes serious eye irritation.

Chemical name	CAS No	Weight-%
polyethylene glycol	9002-93-1	1
p-(1,1,3,3-tetramethylbutyl)phenylether		
tetrasodium pyrophosphate, decahydrate	13472-36-1	0.06
sodium fluoride	7681-49-4	0.1-1

**Kit Component 13339: Detection Antibody Diluent**

Chemical name	CAS No	Weight-%
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: 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	0.005-0.025

**Kit Component 16092: Phospho-IKK(S176/180) Rabbit mAb Coated Microwells**  
**32250: IKK $\alpha$  Mouse Detection mAb**  
**13304: Anti-mouse IgG, HRP-linked Antibody (ELISA Formulated)**  
**7004: TMB Substrate**

This product does not contain substances at concentrations requiring disclosure under 29 CFR 1910.1200 (OSHA Hazard Communication Standard).

<b>SECTION 4. First-aid measures</b>
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**Eye contact** Immediate medical attention is required. Rinse immediately with plenty of water, also under

<b>Skin contact</b>	the eyelids, for at least 15 minutes. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Immediate medical attention is required.
<b>Inhalation</b>	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.
<b>Ingestion</b>	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**

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

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

#### **Extinguishing media**

<b>Suitable Extinguishing Media</b>	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**

<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	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**

<b>For non-emergency personnel</b>	Avoid contact with skin, eyes and clothing. Use personal protective equipment. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
<b>Other information</b>	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. Prevent product from entering drains.

**Methods and material for containment and cleaning up**

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	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. Prevent product from entering drains. Dam up. After cleaning, flush away traces with water.

**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**

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

**SECTION 8. Exposure controls/personal protection****Control parameters**

Chemical name	Occupational exposure limit values		
	ACGIH TLV	OSHA PEL	NIOSH REL
sodium azide	Ceiling: 0.29 mg/m <sup>3</sup> Ceiling: 0.11 ppm	-	Ceiling: 0.1 ppm Ceiling: 0.3 mg/m <sup>3</sup>
sodium fluoride	TWA : 2.5 mg/m <sup>3</sup>	TWA : 2.5 mg/m <sup>3</sup>	IDLH : 250 mg/m <sup>3</sup> TWA : 2.5 mg/m <sup>3</sup>
tetrasodium pyrophosphate, decahydrate	-	-	TWA : 5 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.

<b>Eye/face protection</b>	Tightly fitting safety goggles. Face-shield.
<b>Skin and body protection</b>	Wear protective gloves/clothing.
<b>Respiratory protection</b>	In case of inadequate ventilation wear respiratory protection.
<b>Hygiene measures</b>	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**

<b>Kit Component</b>	<b>16092: Phospho-IKK(S176/180) Rabbit mAb Coated Microwells</b>
Physical state	Solid
Appearance	Microwell Plate
<b>Kit Component</b>	<b>32250: IKK<math>\alpha</math> Mouse Detection mAb</b>
Physical state	Solid
Appearance	Lyophilized, Powder
Color	Green
<b>Kit Component</b>	<b>13304: Anti-mouse IgG, HRP-linked Antibody (ELISA Formulated)</b>
Physical state	Solid
Appearance	Lyophilized, Powder
Color	Red
<b>Kit Component</b>	<b>13339: Detection Antibody Diluent</b>
Physical state	Liquid
Appearance	Clear
Color	Green
pH	7.4 (20°C)
<b>Kit Component</b>	<b>13515: HRP Diluent</b>
Physical state	Liquid
Appearance	Clear
Color	Red
pH	7.4 (20°C)
<b>Kit Component</b>	<b>7004: TMB Substrate</b>
Physical state	Liquid
Appearance	Clear
Color	Light yellow
pH	3.3- 3.8 (20°C)
<b>Kit Component</b>	<b>7002: STOP Solution</b>
Physical state	Liquid
Appearance	Clear
Color	Colorless
pH	1.2 (20°C)
<b>Kit Component</b>	<b>9801: ELISA Wash Buffer (20X)</b>
Physical state	Liquid
Appearance	Clear
Color	Colorless
pH	6.4 (20°C)
<b>Kit Component</b>	<b>11083: ELISA Sample Diluent</b>
Physical state	Liquid
Appearance	Clear
Color	Blue
pH	7.1 (20°C)

<b>Kit Component</b>	<b>7018: PathScan® Sandwich ELISA Lysis Buffer (1X)</b>
Physical state	Liquid
Appearance	Clear
Color	Colorless
pH	7.5 (20°C)

## SECTION 10. Stability and reactivity

### Reactivity

No information available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

<b>Hazardous reactions</b>	None under normal processing.
<b>Hazardous polymerization</b>	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

<b>Kit Component</b>	<b>7002: STOP Solution</b>
Inhalation	Aerosol expected to be irritating based on components
<b>Kit Component</b>	<b>9801: ELISA Wash Buffer (20X)</b>
Inhalation	Avoid breathing vapors or mists May cause irritation of respiratory tract
<b>Kit Component</b>	<b>32250: IKK<math>\alpha</math> Mouse Detection mAb</b>
Inhalation	May cause allergic respiratory reaction
<b>Kit Component</b>	<b>13515: HRP Diluent</b>
Inhalation	Avoid breathing vapors or mists May cause irritation of respiratory tract

**Kit Component** **13304: Anti-mouse IgG, HRP-linked Antibody (ELISA Formulated)**  
Inhalation May cause allergic respiratory reaction

**Eye contact**

**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** **7018: PathScan® Sandwich ELISA Lysis Buffer (1X)**  
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** **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** **32250: IKKα Mouse Detection mAb**  
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** **13515: HRP Diluent**  
Skin contact Repeated or prolonged skin contact may cause allergic reactions with susceptible persons

**Ingestion**

**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

**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
polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenylet her	= 1800 mg/kg (Rat)	-	-
sodium azide	= 27 mg/kg (Rat)	= 20 mg/kg ( Rabbit ) = 50 mg/kg ( Rat )	-
sodium fluoride	= 52 mg/kg (Rat)	= 175 mg/kg ( Rat )	-
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-o	= 53 mg/kg (Rat) = 481 mg/kg (Rat) 232 - 249 mg/kg (Rat) = 120	= 200 mg/kg ( Rabbit )	= 1.23 mg/L ( Rat ) 4 h = 0.11 mg/L ( Rat ) 4 h



ne [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	mg/kg (Rat)		
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### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Symptoms

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.

#### Skin and Eye Corrosion/Irritation

##### Kit Component

Serious eye damage/eye irritation  
Skin corrosion/irritation

##### 7002: STOP Solution

Risk of serious damage to eyes  
Causes burns

##### Kit Component

Serious eye damage/eye irritation  
Skin corrosion/irritation

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

Causes serious eye irritation  
Causes skin irritation

##### Kit Component

Serious eye damage/eye irritation

##### 7018: PathScan® Sandwich ELISA Lysis Buffer (1X)

Causes serious eye irritation

#### Sensitization

##### Kit Component

Skin Sensitization

##### 7002: STOP Solution

May cause skin sensitization

##### Kit Component

Skin Sensitization

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

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

##### Kit Component

Respiratory Sensitization  
Skin Sensitization

##### 32250: IKKα Mouse Detection mAb

May cause allergy or asthma symptoms or breathing difficulties if inhaled  
May cause skin sensitization

##### Kit Component

Respiratory Sensitization  
Skin Sensitization

##### 13304: Anti-mouse IgG, HRP-linked Antibody (ELISA Formulated)

May cause allergy or asthma symptoms or breathing difficulties if inhaled  
May cause skin sensitization

##### Kit Component

Skin Sensitization

##### 13515: HRP Diluent

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

#### Mutagenic effects

##### Kit Component

Mutagenic effects

##### 7002: STOP Solution

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** **7002: STOP Solution**  
STOT - single exposure Respiratory system

**Aspiration Hazard** No information available.

**SECTION 12. Ecological information**

**Ecotoxicity**

**Product Information**

**Kit Component** **7002: STOP Solution**  
Ecotoxicity Toxic to aquatic life

**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
polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenylether	-	LC50 8.9 mg/l (Pimephales promelas) 96 h	EC50 26 mg/l (Daphnia) 48 h
sodium azide	EC50 0.35 mg/L (Pseudokirchneriella subcapitata) 96 h	LC50 0.8 mg/L (Oncorhynchus mykiss) 96 h LC50 5.46 mg/L (Pimephales promelas) 96 h LC50 0.7 mg/L (Lepomis macrochirus) 96 h	LC100 1 mg/L (Orconectes rusticus) 96 h
sodium fluoride	EC50 850 mg/L (Desmodesmus subspicatus) 72 h EC50 272 mg/L (Pseudokirchneriella subcapitata) 96 h	LC50 530 mg/L (Lepomis macrochirus) 96 h LC50 180 mg/L (Pimephales promelas) 96 h LC50 38 - 68 mg/L (Oncorhynchus mykiss) 96 h LC50 830 mg/L (Lepomis macrochirus) 96 h	EC50 98 mg/L (Daphnia magna) 48 h EC50 338 mg/L (Daphnia magna) 48 h
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)	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** **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**  
Bioaccumulation

**7002: STOP Solution**  
Not likely to bioaccumulate

**Kit Component**  
Bioaccumulation

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

Chemical name	Octanol-Water Partition Coefficient
maleic acid	0.32

**Mobility**

**Kit Component**  
Mobility

**7002: STOP Solution**  
Will likely be mobile in the environment due to its water solubility

**Kit Component**  
Mobility

**9801: ELISA Wash Buffer (20X)**  
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  
**Packing group** III  
**Excepted Quantity** E1

## SECTION 15. Regulatory information

**North American Inventory Listing**

Chemical name	TSCA 8(b)	TSCA 12(b)	DSL	NDSL
maleic acid	Listed	Not Listed	Listed	Not Listed
polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenylether	Listed	Not Listed	Listed	Not Listed
sodium azide	Listed	Not Listed	Listed	Not Listed
sodium fluoride	Listed	Not Listed	Listed	Not Listed
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)	Not Listed	Section 5: 1 %	Listed	Not Listed

**SARA 313**

Refer to kit component SDS for full SARA Section 313 reporting requirements.

Chemical name	CAS No	SARA 313 - Threshold Values %
sodium azide	26628-22-8	1.0
magnesium nitrate	10377-60-3	1.0
trisodium tetraoxovanadate	13721-39-6	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
sodium fluoride	1000 lb	Not Listed	Not Listed	Listed	Not Listed

**CERCLA**

Refer to kit component SDS for full Comprehensive Environmental Response Compensation and Liability Act (CERCLA) reporting requirements.

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

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

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

Refer to kit component SDS for applicable State Right-To-Know (RTK) information.

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

**SECTION 16. Other information**

**Issuing Date:** 2018-01-19  
**Revision Date:** 2024-05-22

**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