



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

Issuing Date: 2018-07-16

Version: 1

## SECTION 1. Identification

### Product identifier

**Product No** 30794  
**Product name** FastScan™ Phospho-SLP76 (Ser376) ELISA Kit  
**Kit Component**  
57997: SLP-76 Rabbit Capture mAb  
73160: Phospho-SLP-76 (Ser376) Mouse 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)  
77595: FastScan™ ELISA Kit #30794 Positive Control  
**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.

<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)**

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

**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**

No information available.

**Hazards not otherwise classified (HNOC)**

Not applicable.

**SECTION 3. Composition/information on ingredients****Kit Component** 16076: FastScan™ ELISA Capture Antibody Diluent

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	0.0025-0.0125

**Kit Component** 28120: FastScan™ ELISA HRP Antibody Diluent

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	0.0015

**Kit Component** 7002: STOP Solution

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

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

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

Chemical name	CAS No.	Weight-%
polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenylether	9002-93-1	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	0.0025-0.0125

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

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** 77595: FastScan™ ELISA Kit #30794 Positive Control

Chemical name	CAS No.	Weight-%
sucrose	57-50-1	70-80
sodium dodecyl sulphate	151-21-3	0.1-<1
sodium fluoride	7681-49-4	1-3
trisodium tetraoxovanadate	13721-39-6	1-3
alpha-toluenesulphonyl fluoride	329-98-6	0.1-<1
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	0.0015-<0.06

**Kit Component** 57997: SLP-76 Rabbit Capture mAb  
73160: Phospho-SLP-76 (Ser376) Mouse 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

<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Consult a physician.
<b>Skin contact</b>	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.
<b>Inhalation</b>	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.
<b>Ingestion</b>	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**

<b>General advice</b>	Call a doctor immediately if allergic signs, particularly in the respiratory tract, are observed.
<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.
<b>Unsuitable Extinguishing Media</b>	CAUTION: Use of water spray when fighting fire may be inefficient.

**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**

<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. 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.
<b>Other information</b>	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**

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so. Prevent dust cloud.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labeled 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.

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

<b>Technical measures/Storage conditions</b>	Keep container tightly closed in a dry and well-ventilated place. Protect from light.
<b>Packaging material</b>	No information available.
<b>Incompatible products</b>	Acids, Alkalis, Strong acids, Strong bases, Strong oxidizing agents, Strong reducing agents, Metals.

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

Chemical name	ACGIH TLV	OSHA PEL	NIOSH REL
sucrose	TWA : 10 mg/m <sup>3</sup>	TWA total dust: 15 mg/m <sup>3</sup> TWA respirable fraction: 5 mg/m <sup>3</sup>	TWA total dust: 10 mg/m <sup>3</sup> TWA respirable dust: 5 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>
trisodium tetraoxovanadate	-	-	Ceiling: 0.05 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>	Safety glasses with side-shields.
<b>Skin and body protection</b>	Wear protective gloves/clothing.
<b>Respiratory protection</b>	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.
<b>Hygiene measures</b>	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 basic physical and chemical properties**

<b>Kit Component</b>	<b>57997: SLP-76 Rabbit Capture mAb</b>
Physical state	Solid
Appearance	Lyophilized Powder
Color	Green
<b>Kit Component</b>	<b>73160: Phospho-SLP-76 (Ser376) Mouse HRP-linked mAb</b>
Physical state	Solid
Appearance	Lyophilized Powder
Color	Red
<b>Kit Component</b>	<b>16076: FastScan™ ELISA Capture Antibody Diluent</b>
Physical state	Liquid
Appearance	Clear
Color	Green
pH VALUE	7.4
Remarks	@ 20 °C

<b>Kit Component</b>	<b>28120: FastScan™ ELISA HRP Antibody Diluent</b>
Physical state	Liquid
Color	Brown
pH VALUE	6.8-7.2
Remarks	@ 20 °C
Boiling point/range (°C) VALUE	100
Boiling point/range (°F) VALUE	212
Solubility	Soluble in water
<b>Kit Component</b>	<b>7004: TMB Substrate</b>
Physical state	Liquid
Appearance	Clear
Color	Light yellow
pH VALUE	3.3-3.8
Remarks	@ 20 °C
<b>Kit Component</b>	<b>7002: STOP Solution</b>
Physical state	Liquid
Appearance	Clear
Color	Colorless
pH VALUE	1.2
Remarks	@ 20 °C
<b>Kit Component</b>	<b>9801: ELISA Wash Buffer (20X)</b>
Physical state	Liquid
Appearance	Clear
Color	Colorless
pH VALUE	6.4
Remarks	@ 20 °C
<b>Kit Component</b>	<b>69905: FastScan™ ELISA Cell Extraction Buffer (5X)</b>
Physical state	Liquid
Appearance	Clear
Color	light yellow
pH VALUE	7
Remarks	@ 20 °C
<b>Kit Component</b>	<b>25243: FastScan™ ELISA Cell Extraction Enhancer Solution (50X)</b>
Physical state	Liquid
Appearance	Clear
Color	Colorless
<b>Kit Component</b>	<b>77595: FastScan™ ELISA Kit #30794 Positive Control</b>
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

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

<b>Kit Component</b> Inhalation	<b>57997: SLP-76 Rabbit Capture mAb</b> May cause allergic respiratory reaction
<b>Kit Component</b> Inhalation	<b>73160: Phospho-SLP-76 (Ser376) Mouse HRP-linked mAb</b> May cause allergic respiratory reaction
<b>Kit Component</b> Inhalation	<b>28120: FastScan™ ELISA HRP Antibody Diluent</b> May cause irritation of respiratory tract
<b>Kit Component</b> Inhalation	<b>7002: STOP Solution</b> Aerosol expected to be irritating based on components
<b>Kit Component</b> Inhalation	<b>9801: ELISA Wash Buffer (20X)</b> Avoid breathing vapors or mists May cause irritation of respiratory tract
<b>Kit Component</b> Inhalation	<b>69905: FastScan™ ELISA Cell Extraction Buffer (5X)</b> May cause irritation of respiratory tract

**Eye contact**

<b>Kit Component</b> Eye contact	<b>57997: SLP-76 Rabbit Capture mAb</b> May cause slight irritation
<b>Kit Component</b> Eye contact	<b>73160: Phospho-SLP-76 (Ser376) Mouse HRP-linked mAb</b> May cause slight irritation
<b>Kit Component</b> Eye contact	<b>28120: FastScan™ ELISA HRP Antibody Diluent</b> May cause temporary eye irritation
<b>Kit Component</b> Eye contact	<b>7002: STOP Solution</b> May cause irreversible damage to eyes
<b>Kit Component</b> Eye contact	<b>9801: ELISA Wash Buffer (20X)</b> 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**                      **57997: SLP-76 Rabbit Capture mAb**

Skin contact

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

**Kit Component**                      **73160: Phospho-SLP-76 (Ser376) Mouse 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**                      **77595: FastScan™ ELISA Kit #30794 Positive Control**

Skin contact

Irritating to skin

**Ingestion****Kit Component**                      **57997: SLP-76 Rabbit Capture mAb**

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

**Kit Component**                      **73160: Phospho-SLP-76 (Ser376) Mouse 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

Ingestion may cause irritation to mucous membranes

**Information on toxicological effects****Component Information**

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
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**Kit Component** 77595: FastScan™ ELISA Kit #30794 Positive Control  
Skin Sensitization May cause skin sensitization

**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** 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	EC50 53 mg/L (Desmodesmus subspicatus) 72 h EC50 30 - 100 mg/L (Desmodesmus subspicatus) 96 h EC50 42 mg/L (Desmodesmus subspicatus) 96 h EC50 3.59 - 15.6 mg/L (Pseudokirchneriella subcapitata) 96 h EC50 117 mg/L (Pseudokirchneriella subcapitata) 96 h	LC50 8 - 12.5 mg/L (Pimephales promelas) 96 h LC50 4.1 mg/L (Leuciscus idus) 48 h LC50 22.1 - 22.8 mg/L (Pimephales promelas) 96 h LC50 4.3 - 8.5 mg/L (Oncorhynchus mykiss) 96 h LC50 4.62 mg/L (Oncorhynchus mykiss) 96 h LC50 4.2 mg/L (Oncorhynchus 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 6.2 - 9.6 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	EC50 21.2 mg/L (Daphnia magna) 24 h EC50 1.8 mg/L (Daphnia magna) 48 h
sodium fluoride	EC50 850 mg/L (Desmodesmus	LC50 530 mg/L (Lepomis	EC50 98 mg/L (Daphnia magna) 48

	subspicatus) 72 h EC50 272 mg/L (Pseudokirchneriella subcapitata) 96 h	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	h EC50 338 mg/L (Daphnia magna) 48 h
trisodium tetraoxovanadate	-	LC50 16.5 mg/L (Oncorhynchus tshawytscha) 96 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
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** **16076: FastScan™ ELISA Capture Antibody Diluent**  
Persistence and degradability Not readily biodegradable

**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  
Bioconcentration factor (BCF) 11 (maleic acid)

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

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**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.

**SECTION 14. Transport information**

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

**DOT**

<b>UN number</b>	UN3265
<b>UN proper shipping name</b>	Corrosive liquid, acidic, organic, n.o.s. (maleic acid)
<b>Transport hazard class(es)</b>	8
<b>Packing group</b>	III
<b>Special provisions</b>	IB3, T7, TP1, TP28
<b>Emergency response guide number</b>	153

**IATA**

<b>UN number</b>	UN3265
<b>UN proper shipping name</b>	Corrosive liquid, acidic, organic, n.o.s. (maleic acid)
<b>Transport hazard class(es)</b>	8
<b>Packing group</b>	III
<b>ERG code</b>	8L
<b>Special provisions</b>	A3, A803
<b>Excepted Quantity</b>	E1

**SECTION 15. Regulatory information****North American Inventory Listing**

Refer to kit component SDS for full Toxic Substance Control Act (TSCA) reporting requirements.

Chemical name	TSCA 8(b)	TSCA 12(b)	DSL	NDSL
sucrose	Listed	Not Listed	Listed	Not Listed
maleic acid	Listed	Not Listed	Listed	Not Listed
sodium dodecyl sulphate	Listed	Not Listed	Listed	Not Listed
sodium fluoride	Listed	Not Listed	Listed	Not Listed
trisodium tetraoxovanadate	Listed	Not Listed	Listed	Not Listed
polyethylene glycol	Listed	Not Listed	Listed	Not Listed
p-(1,1,3,3-tetramethylbutyl)phenylether				
alpha-toluenesulphonyl 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 %
trisodium tetraoxovanadate	13721-39-6	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	No
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 fluoride	1000 lb	Not Listed

**California Proposition 65**

Refer to kit component SDS for full California Proposition 65 information.

**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
sucrose	Not Listed	Listed	Listed
maleic acid	Listed	Listed	Listed
Sodium Phosphate Dibasic Heptahydrate	Listed	Listed	Listed
sodium fluoride	Listed	Listed	Listed
trisodium tetraoxovanadate	Listed	Not Listed	Not Listed
disodium hydrogenorthophosphate	Listed	Listed	Listed
trisodium tetraoxovanadate	Listed	Not Listed	Not Listed
magnesium nitrate	Listed	Listed	Listed
copper dinitrate	Listed	Listed	Listed

**SECTION 16. Other information**

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**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