

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

Issuing Date: 2018-07-16 **Revision Date:** 2024-07-11 **Version:** 3

SECTION 1. Identification

Product identifier

Product No 58537

Product name FastScanTM Phospho-Tau (Thr181) ELISA Kit

Kit Component 67317: Tau Rabbit Capture mAb

78127: Phospho-Tau (Thr181) 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) 85630: FastScan™ ELISA Kit #58537 Positive Control Type 1

Hazardous Components

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)

9801: ELISA Wash Buffer (20X)

7002: STOP Solution

UN number UN3265

Recommended use of the chemical and restrictions on use

Identified usesThis product is intended for research purposes only.

Manufacturer, importer, supplier

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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

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

Hazards not otherwise classified (HNOC)

Harmful to aquatic life with long lasting effects.

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-%
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		

- 1	220 220 61 (2:4)	
	no. 220-239-6] (3:1)	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.	55965-84-9	0.001-0.005
247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)		

Kit Component

85630: FastScan™ ELISA Kit #58537 Positive Control Type 1

WARNING: May cause an allergic skin reaction

Chemical name	CAS No	Weight-%		
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:	55965-84-9	0.0015-<0.06		
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 67317: Tau Rabbit Capture mAb

78127: Phospho-Tau (Thr181) 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).

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.
Inhalation	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 aumptame accur. Administer average if breathing is difficult

SECTION 4. First-aid measures

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

Contains kit components which may cause the following effects, refer to individual component SDSs for full information on 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.

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

surrounding environment

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

Methods for cleaning up

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

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.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

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

Packaging material No information available

Incompatible products 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			
Chemical name ACGIH TLV OSHA PEL NIOSH REL			
sodium fluoride	TWA: 2.5 mg/m ³	TWA: 2.5 mg/m ³	IDLH : 250 mg/m ³
TWA : 2.5 mg/m ³			
trisodium tetraoxovanadate	-	-	Ceiling: 0.05 mg/m ³

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 protectionSafety glasses with side-shields. **Skin and body protection**Wear protective gloves/clothing.

Respiratory protection In case of inadequate ventilation wear respiratory protection.

Hygiene measuresHandle 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 67317: Tau Rabbit Capture mAb

Physical state Solid

Appearance Lyophilized, Powder

Color Green

Kit Component 78127: Phospho-Tau (Thr181) 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
Brown
pH
6.8-7.2
Remarks
@ 20 °C
Boiling point/range (°C) VALUE
Boiling point/range (°F) VALUE
212

Solubility 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
Appearance
Color
pH
Remarks
Liquid
Clear
Clear
Clear

7
Remarks
20 °C

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

Physical state Liquid
Appearance Clear
Color Colorless

Kit Component 85630: FastScan™ ELISA Kit #58537 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 None under normal processing. Hazardous polymerization 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 ComponentInhalation

67317: Tau Rabbit Capture mAb
May cause allergic respiratory reaction

Kit Component 78127: Phospho-Tau (Thr181) 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 67317: Tau Rabbit Capture mAb

Eye contact May cause slight irritation

Kit Component 78127: Phospho-Tau (Thr181) 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 67317: Tau Rabbit Capture mAb

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

Kit Component 78127: Phospho-Tau (Thr181) 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 85630: FastScan™ ELISA Kit #58537 Positive Control Type 1

Skin contact Irritating to skin

Ingestion

Kit Component 67317: Tau Rabbit Capture mAb

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

Kit Component 78127: Phospho-Tau (Thr181) 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
sodium fluoride	= 52 mg/kg (Rat)	= 175 mg/kg (Rat)	-
trisodium tetraoxovanadate	= 330 mg/kg (rat)	-	-
polyethylene glycol	= 1800 mg/kg (Rat)	-	-
p-(1,1,3,3-tetramethylbutyl)phenylet			
her			

alpha-toluenesulphonyl fluoride	200 (mg/kg) (mice)	-	-
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 Contains kit components which may cause the following effects, refer to individual

component SDSs for full information on 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 67317: Tau Rabbit Capture mAb

Respiratory Sensitization Respiratory Sensitizer
Skin Sensitization May cause skin sensitization

Kit Component 78127: Phospho-Tau (Thr181) Rabbit HRP-linked mAb

Respiratory Sensitization Respiratory Sensitizer
Skin Sensitization May cause skin sensitization

Kit ComponentSkin Sensitization

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

Kit Component 28120: FastScan™ ELISA HRP Antibody Diluent

Skin Sensitization May cause skin sensitization

Kit ComponentSkin 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 Component69905: 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 85630: FastScan™ ELISA Kit #58537 Positive Control Type 1

Skin Sensitization May cause skin sensitization

Mutagenic effects

Kit ComponentMutagenic 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 ComponentSTOT - single exposure **7002: STOP Solution**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)	EC50 250 - 400 mg/L (Daphnia
		96 h	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	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)	EC50 21.2 mg/L (Daphnia magna) 24 h EC50 1.8 mg/L (Daphnia magna) 48 h
	(Pseudokircnneriella 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 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 -	
sodium fluoride	EC50 850 mg/L (Desmodesmus	18.9 mg/L (Pimephales promelas) 96 h 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	h EC50 338 mg/L (Daphnia magna) 48 h h

		LC50 38 - 68 mg/L (Oncorhynchus mykiss) 96 h LC50 830 mg/L (Lepomis macrochirus) 96 h	
trisodium tetraoxovanadate	-	LC50 16.5 mg/L (Oncorhynchus tshawytscha) 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 ComponentPersistence and degradability

7002: STOP Solution
Product is biodegradable

Kit Component 9801: ELISA Wash Buffer (20X)

Persistence and degradability Not readily biodegradable

Bioaccumulation

Kit ComponentBioaccumulation

7002: STOP Solution
Not likely to bioaccumulate

Bioconcentration factor (BCF) 11 (maleic acid)

Kit ComponentBioaccumulation

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:

<u>DOT</u>

UN number UN3265

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

Transport hazard class(es) 8
Packing group | | | |

<u>IATA</u>

UN number UN3265

UN proper shipping nameCorrosive liquid, acidic, organic, n.o.s. (maleic acid)

Transport hazard class(es) 8
Packing group | | |

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
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 p-(1,1,3,3-tetramethylbutyl)phen ylether	Listed	Not Listed	Listed	Not Listed
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)		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 %
triso	dium tetraoxovanadate	13721-39-6	1.0
triso	dium 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

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
sucrose	Not Listed	Listed	Not 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

Issuing Date: 2018-07-16 **Revision Date:** 2024-07-11

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