

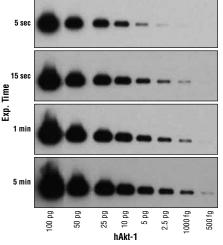


Description: SignalFire™ Elite ECL Reagent from Cell Signaling Technology (CST) is an ultra sensitive chemiluminescent substrate capable of detecting femtogram amounts of protein by western blot analysis. SignalFire™ Elite ECL Reagent is compatible with both film and digital imaging systems. The extremely intense signal output allows detection of very low abundance proteins, conservation of reagents, and short exposure times.

SignalFire™ Elite ECL Reagent requires approximately ten-fold less Anti-rabbit IgG, HRP-linked Antibody #7074 or Anti-mouse IgG, HRP-linked Antibody #7076 than traditional ECL reagents. Limiting the amount of HRP exposed to the membrane prevents high background, oversaturation of the target protein signal, or false negative results. Other HRP-conjugated antibodies, including HRP-conjugated primary and anti-biotin-HRP antibodies, should be diluted similarly. Dilution of secondary antibody from alternative vendors may need to be optimized. Titration of lysate and primary antibody concentration is recommended to achieve optimal signal-to-noise ratio.

**Background:** Chemiluminescence systems have emerged as the best all-around method for western blot detection. They eliminate the hazards associated with radioactive materials and toxic chromogenic substrates. The speed and sensitivity of these methods are unequalled by traditional alternatives, and because results are generated on film, it is possible to record and store data permanently. Blots detected with chemiluminescent methods are easily stripped for subsequent reprobing with additional antibodies. HRP-conjugated secondary antibodies are utilized in conjunction with specific chemiluminescent substrates to generate the light signal. HRP conjugates have a very high turnover rate, yielding good sensitivity with short reaction times.

**Solutions and Reagents:** Each SignalFire™ Elite ECL Reagent (A and B) is a 2X concentrate; there is no need to further dilute in water when the two reagents are combined.



SignalFire<sup>™</sup> Plus Elite Reagent is sensitive enough to detect femtogram levels of protein. Western blot analysis of diluted recombinant human Akt-1 protein using Akt (pan) (C67E7) Rabbit mAb #4691. **Storage:** Store at 4°C. This product is stable for 12 months. DO NOT store Reagents A and B pre-mixed. Reagents A and B should be combined just prior to exposing membranes.

### **Recommended Secondary Antibody Dilutions:**

Anti-rabbit IgG, HRP-linked Antibody #7074	1:10K – 1:20K
Anti-mouse IgG, HRP-linked Antibody #7076	1:10K – 1:20K

### **Directions for Use:**

- (a) Wash membrane-bound HRP (antibody conjugate) at least three times for 5 minutes in TBS/T. It is very important to thoroughly wash the membrane prior to substrate incubation.
- (b) Prepare 1X SignalFire™ Elite ECL Reagent by diluting one part 2X Reagent A and one part 2X Reagent B (e.g. for 10 ml, add 5 ml Reagent A and 5 ml Reagent B). Mix well.
- (c) Incubate substrate with membrane for 1 minute, remove excess solution (membrane remains wet), wrap in plastic and expose to X-ray film.

\*Avoid repeated exposure to skin (see enclosed Material Safety Data Sheet or refer to our website for further information).

# Cell Signaling

TECHNOLOGY SAFETY DATA SHEET (SDS): According to the OSHA Hazard Communication Standard 29 CFR 1910.1200 Issuing Date: 2014-01-31 Revision Date: 2014-10-16 Version: 1

	SECTION 1. Identification
Product identifier	
Product number	12757-A
Product name	SignalFire™ Elite ECL Reagent A
Recommended use of the chemic	al and restrictions on use
Identified uses	This product is intended for research purposes only.
Uses advised against	This product is not intended for use in diagnostic procedures or therapeutics. This product is not intended for use in humans or animals.
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
Company phone number	978-867-2300
Emergency telephone number	In case of emergency call CHEMTREC 1-800-424-9300
	SECTION 2. Hazard(s) identification

#### Classification

This substance/mixture is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2	
Serious eye damage/eye irritation	Category 2	
Specific target organ toxicity - repeated exposure (STOT RE)	Category 2	

GHS Label elements, including precautionary statements



Hazard statement(s)

Page 1/7

#### 12757-A - SignalFire™ Elite ECL Reagent A

Causes skin irritation Causes serious eye irritation May cause damage to organs through prolonged or repeated exposure

Precautionary Statement(s)
Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face
protection. Do not breath dust/fume/gas/mist/vapors/spray.
Get medical advice/attention if you feel unwell.
IF ON SKIN: Wash with plenty of seap and water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse
IF IN EYES. Finise caubiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention

#### Supplementary Hazard Information

Hazards not otherwise classified (HNOC) None

SECTION 3. Composition/information on ingredients			
Chemical nature	Aqueous soluti	ion of organic and inorganic compoun	ds
Chemical Na	me	CAS No	Weight %
ethanediol		107-21-1	1-3
trometamo		77-86-1	1-5

SECTION 4. First-aid measures		
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.	
	Consult a physician.	
Skin contact	Wash skin with soap and water.	
Inhalation	Move to fresh air.	
Ingestion	If swallowed, do not induce vomiting - seek medical advice. Rinse mouth. Never give anything by mouth to an unconscious person.	

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

Irritation to eyes, skin, nose, throat; nausea, vomiting, abdominal pain, lassitude (weakness, exhaustion); dizziness, stupor, convulsions, central nervous system depression.

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

Treat symptomatically.

Advice for emergency responders

General advice Protection of first-aiders	<ul> <li>For further assistance, contact your local Poison Control Center.</li> <li>Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.</li> </ul>
	SECTION 5. Fire-fighting measures

Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Unsuitable Extinguishing Media CAUTION: Use of water spray when fighting fire may be inefficient.

#### Specific hazards arising from the chemical

Page 2/7

12757-A - SignalFire™ Elite ECL Reag	gent A		Revision Date: 2014-10-16	12757-A - SignalFire™ Elite ECL Rea	gent A Revision Date: 2014-10
No information available. Explosion Data				Respiratory protection	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.
Sensitivity to Mechanical Impa Sensitivity to Static Discharge				Hygiene measures	Do not eat, drink or smoke when using this product.
Protective Equipment and Precau	tions for Firefighters				SECTION 9. Physical and chemical properties
As in any fire, wear self-contained by protective gear.	reathing apparatus pressure-dema	nd, MSHA/NIOSH (approved	d or equivalent) and full	Information on basic physical and Physical state	d chemical properties
•				Appearance	No information available
	SECTION 6. Accidental r	elease measures		Odor Color	No information available
Personal precautions, protective	equipment and emergency proce	dures		Odor Threshold	Colorless, light pink No information available
For non-emergency personnel Other information	Ensure adequate ventilation. No information available.			pH Melting point/freezing point Initial boiling point and boiling	9.5 @ 20 °C No information available No information available
Environmental precautions				range Flash point Evaporation rate	No information available. No information available
See Section 12 for additional inform				Flammability (solid, gas) Upper flammability limit	No information available No information available
Methods and material for contain	ment and cleaning up			Lower flammability limit	No information available.
Methods for containment	Prevent further leakage or spilla			Vapor pressure Vapor density	No information available No information available
Methods for cleaning up	Pick up and transfer to properly	labeled containers.		Relative density	No information available
	SECTION 7. Handling	and atorogo		Solubility	Soluble in water
	SECTION 7. Handling	and storage		Solubility in other solvents Partition coefficient: n-octanol/wa	No information available
Precautions for safe handling				Autoignition temperature	No information available
Handle in accordance with good inde	ustrial hygiene and safety practice			Decomposition temperature Explosive properties	No information available. No information available
•				Oxidizing properties	No information available
Conditions for safe storage, inclu	ding any incompatibilities			VOC content Viscosity	No information available No information available.
Technical measures/Storage conditions	Keep containers tightly closed i	n a dry, cool and well-ventila	ted place.	Density	No information available.
Packaging material Incompatible products	No information available. Strong oxidizing agents, chrom	um trioxide, potassium pern	nanganate, sodium peroxide.		SECTION 10. Stability and reactivity
SE	CTION 8. Exposure contro	s/personal protection	I	Reactivity	
Control parameters	•	· · ·		No information available.	
<u>control parameters</u>				Chemical stability	
Others in the second	40000704	00114 551		Stable under recommended storage	e conditions.
ethanediol	ACGIH TLV Ceiling: 100 mg/m <sup>3</sup>	OSHA PEL	NIOSH REL	Possibility of hazardous reaction	<u>§</u>
Appropriate engineering controls				Hazardous reactions Hazardous polymerization	Vapors may form explosive mixtures with air. None under normal processing.
Showers, eyewash stations, and ver	tilation systems.			Conditions to Avoid	
Individual protection measures, s	uch as personal protective equip	ment		No information available.	
Personal protective equipment (PPE frequency/duration of work activities	) needs to be selected depending and the concentrations of the haze	on the implemented enginee rdous substance.	ring controls,	Incompatible Materials	
Eye/face protection	Safety glasses with side-shield				rioxide, potassium permanganate, sodium peroxide.
Skin and body protection	Wear protective gloves/clothing			Hazardous Decomposition Produ	<u>cts</u>
	Page 3/	_			Page 4/7

Page 4/7

Revision Date: 2014-10-16

#### 12757-A - SignalFire™ Elite ECL Reagent A

Revision Date: 2014-10-16

Thermal decomposition can lead to release of irritating gases and vapors SECTION 11. Toxicological information

#### Information on likely routes of exposure

Inhalation	Inhalation of vapors in high concentration may cause irritation of respiratory system.
Eye contact	Expected to be an irritant based on components.
Skin contact	Expected to be an irritant based on components.
Ingestion	May cause adverse kidney effects.

### Information on toxicological effects

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 toxocological and physiological properties of this compound is not well defined.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
ethanediol	-		
trometamol	5900 mg/kg ( Rat )		

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

Symptoms	Irritation to eyes, skin, nose, throat; nausea, vomiting, abdominal pain, lassitude (weakness, exhaustion); dizziness, stupor, convulsions, central nervous system depression.
Sensitization	No information available.
Mutagenic effects	No information available.
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.
STOT - single exposure	No information available.
STOT - repeated exposure	Causes damage to organs through prolonged or repeated exposure: Kidney, Respiratory system.
Target Organ Effects	Central nervous system (CNS), Eyes, Skin, Respiratory system, Kidney.
Neurological effects	No information available.
Aspiration Hazard	No information available.

SECTION 12. Ecological information

#### Ecotoxicity

Product does not present an aquatic toxicity hazard based on known or supplied information.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
ethanediol	ECS0 6500 - 13000 mg/L (Pseudokirchneriella subcapitata) 96 h	LC50 40761 mg/L (Oncorhynchus mykiss) 96 h LC50 27640 mg/L (Lepomis macrochirus) 96 h LC50 41000 mg/L (Oncorhynchus mykiss) 96 h LC50 14 - 18 ml/L (Oncorhynchus mykiss) 96 h LC50 40000 - 6000 mg/L (Pinephales promelas) 96 h LC50 16000 mg/L (Pioetila reticulata) 96 h	EC50 46300 mg/L (Daphnia magna 48 h
trometamol			NOEC >100 mg/L (Selenastrum capricornutum) 96 h

Persistence and degradability Bioaccumulation No information available. No information available.

Page 5/7

12757-A - SignalFire™ Elite ECL Reagent A Revision Date: 2014-10-16

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### 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
ethanediol	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
ethanediol	Listed	Listed	Listed
U.S. FIFRA Label Information			

This product does not contain any substances regulated as pesticides.

US Commerce Department - Export Administration Regulations Information

This product does not contain any substances regulated under the Chemical Weapons Convention (CWC).

U.S. Drug Enforcement Administration Information

This product does not contain any substances regulated under the DEA.

1	SECTION 16. Other information

Issuing Date: 2014-01-31 Revision Date: 2014-10-16 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

#### 12757-A - SignalFire™ Elite ECL Reagent A Revision Date: 2014-10-16 Will likely be mobile in the environment due to its water solubilty but will likely degrade over time Mobility Chemical Name Octanol-Water Partition Coefficient

Other adverse effects

No information available

#### SECTION 13. Disposal consideration

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 not subject to regulation as a hazardous material for shipping.

SECTION 15. Regulatory information				
lorth American Inventory List	ing			
Chemical Name	TSCA 8(b)	TSCA 12(b)	DSL	NDSL
ethanediol	Listed	Not Listed	Listed	Not Listed
trometamol	Listed	Not Listed	Listed	Not Listed

Canadian Workplace Hazardous Materials Information System (WHMIS) Classification

Class D2B - Toxic Material at >= 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:

CAS No	SARA 313 - Threshold Values %
107-21-1	1.0
Yes	
Yes	
No	
No	
No	
	107-21-1 Yes Yes No No

Page 6/7



SAFETY DATA SHEET (SDS): According to the OSHA Hazard Communication Standard 29 CFR 1910.1200
Issuing Date: 2014-10-15 Revision Date: 2014-10-16

#### SECTION 1. Identification

Product identifier

Γ

Product number Product name

12757-B SignalFire™ Elite ECL Reagent B

### Recommended use of the chemical and restrictions on use

This product is intended for research purposes only. This product is not intended for use in diagnostic procedures or therapeutics. This product is not intended for use in humans or animals. Identified uses Uses advised against

### Manufacturer, importer, supplier

Manufacturer address

Cell Signaling Technology, Inc. 3 Trask Lane Danvers, MA 01923 United States United States TEL: +1 978 867 2300 FAX: +1 978 867 2400

## www.celisignal.com support@celisignal.com 978-867-2300 In case of emergency call CHEMTREC 1-800-424-9300

Website Email address Company phone number Emergency telephone number SECTION 2. Hazard(s) identification

#### Classification

This substance/mixture is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

GHS Label elements, including precautionary statements

Signal Word

Hazard statement(s) None

Precautionary Statement(s) None

Supplementary Hazard Information

Hazards not otherwise classified (HNOC) None

SECTION 3. Composition/information on ingredients

Chemical Name	CAS No	147-1-64.0/	Methods and material for containme	ant or
sodium salt of weak minera		Weight %           ET         0.1-1		Preve
Confidential business information	The specific chemical identity and/or pe secret	ercentage of composition is being withheld as a trade	Methods for containment Methods for cleaning up	Pick
	SECTION 4. First-aid mea	sures		S
Eye contact		or at least 15 minutes, lifting lower and upper eyelids.	Precautions for safe handling	
Skin contact	Consult a physician. Wash skin with soap and water.	s at loade to minuted, many lower and apport syonad.	Handle in accordance with good indus	trial hy
nhalation	Move to fresh air.	seek medical advice. Rinse mouth. Never give	Conditions for safe storage, includi	ng any
-	anything by mouth to an unconscious p		Technical measures/Storage conditions Packaging material	Keep No in
Most important symptoms and effe	ects, both acute and delayed		Incompatible products	None
No information available.			SEC	TION
	al attention and special treatment need	led	Control parameters	
Treat symptomatically. Advice for emergency responders			This product, as supplied, does not co specific regulatory bodies.	ntain a
General advice	For further assistance, contact your loc	al Poison Control Center	opositio regulatory boulds.	
Protection of first-aiders		are of the material(s) involved, and take precautions	Appropriate engineering controls	
	SECTION 5. Fire-fighting me	0001//00	Showers, eyewash stations, and venti	lation s
Extinguishing media	SECTION 5. File-lighting in	easures	Individual protection measures, suc	
Suitable Extinguishing Media	Use extinguishing measures that are an	ppropriate to local circumstances and the	Personal protective equipment (PPE)	needs
	surrounding environment. a CAUTION: Use of water spray when fig		frequency/duration of work activities a	
Specific hazards arising from the		grang ine may be memoren.	Eye/face protection Skin and body protection	Safet Wear
No information available.	in the second		Respiratory protection	lf exp respi
Explosion Data				requi provi
Sensitivity to Mechanical Impa	rt None		Hygiene measures	Do no
Sensitivity to Static Discharge			SI	ECTIO
Protective Equipment and Precaut	ions for Firefighters		Information on basic physical and c	hemic
As in any fire, wear self-contained brorotective gear.	eathing apparatus pressure-demand, MSH	HA/NIOSH (approved or equivalent) and full	Physical state Appearance	Liquio No in
socono gou.			Odor Color	No in Color
	SECTION 6. Accidental release		Odor Threshold	No in 5 @
ersonal precautions, protective e	quipment and emergency procedures		pH Melting point/freezing point	No in No in
For non-emergency personnel Other information	Ensure adequate ventilation. No information available.		Initial boiling point and boiling range	No in
Environmental precautions			Flash point Evaporation rate	No in
See Section 12 for additional informa	tion.		Flammability (solid, gas)	No in
	Page 2/6			
12757-B - SignalFire™ Elite ECL Reag	ent B	Revision Date: 2014-10-16	12757-B - SignalFire™ Elite ECL Reage	nt B
Upper flammability limit Lower flammability limit	No information available. No information available.		Symptoms	No in

Upper flammability limit	No information available.		
Lower flammability limit	No information available.		
Vapor pressure	No information available		
Vapor density Relative densitv	No information available No information available		
Relative density Solubility	Soluble in water		
Solubility in other solvents	No information available		
Partition coefficient: n-octanol/v			
Autoignition temperature	No information available		
Decomposition temperature	No information available.		
Explosive properties	No information available		
Oxidizing properties VOC content	No information available No information available		
Viscosity	No information available		
Density	No information available		
		1946	
	SECTION 10. Stat	ility and reactivity	
Reactivity			
No information available.			
Chemical stability			
Stable under recommended storag	ge conditions.		
Possibility of hazardous reactio	ns		
Hazardous reactions Hazardous polymerization	None under normal proces None under normal proces		
Conditions to Avoid			
No information available.			
Incompatible Materials			
None known based on information	supplied.		
Hazardous Decomposition Prod	lucts		
None known based on information	supplied.		
	SECTION 11. Toxic	ological information	
Information on likely routes of e	xposure		
Inhalation	There is no data available	for this product.	
Eve contact	There is no data available		
Skin contact	There is no data available	for this product.	
Ingestion	There is no data available	for this product.	
Information on toxicological effe	ects		
This material should only be hand			
potentially hazardous chemicals. not well defined.	it should be borne in mind that t	me toxocological and physiolog	ical properties of this compound i
Chemical Name sodium salt of weak mineral acid	LD50 Oral 1200 mg/kg ( Rat )	LD50 Dermal	LC50 Inhalation

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

Revision Date: 2014-10-16

Revision Date: 2014-10-16

12757-B - SignalFire™ Elite ECL Reag	gent B Revision Date	
Methods and material for contain	ment and cleaning up	
Methods for containment Methods for cleaning up	Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.	
	SECTION 7. Handling and storage	
Precautions for safe handling		
Handle in accordance with good ind	dustrial hygiene and safety practice	
Conditions for safe storage, inclu-	laing any incompatibilities	
Technical measures/Storage conditions	Keep containers tightly closed in a dry, cool and well-ventilated place.	
Packaging material	No information available.	
Incompatible products	None known based on information supplied.	
SE	CTION 8. Exposure controls/personal protection	
Control parameters		
This product, as supplied, does not o specific regulatory bodies.	contain any hazardous materials with occupational exposure limits established by th	he regior
Appropriate engineering controls	<u>s</u>	
Showers, eyewash stations, and ver	ntilation systems	
	•	
naividual protection measures, s	such as personal protective equipment	
Personal protective equipment (PPE	E) needs to be selected depending on the implemented engineering controls,	
requency/duration of work activities	s 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	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA appro respiratory protection should be worn. Positive-pressure supplied air respirators	
	required for high airborne contaminant concentrations. Respiratory protection n	
	provided in accordance with current local regulations.	
Hygiene measures	Do not eat, drink or smoke when using this product.	
:	SECTION 9. Physical and chemical properties	
nformation on basic physical and	d chemical properties	
Physical state	Liquid	
Appearance Odor	No information available No information available	
Color	Coloriess	
Odor Threshold	No information available	
H	5 @ 20 °C	
Melting point/freezing point nitial boiling point and boiling	No information available No information available	
	No information available.	
Flash point	No information available	
Flash point Evaporation rate		
range Flash point Evaporation rate Flammability (solid, gas)	No information available	

Symptoms	No information available.		
Sensitization	No information available.		
Mutagenic effects Carcinogenicity	No information available.		nan or equal to 0.1% is identifia
Carcinogenicity	as probable, possible or con	ifirmed carcinogen by IARC	ACGIH NTP or OSHA
Reproductive toxicity	No information available.	inning garonogon by in inc,	
STOT - single exposure	No information available.		
STOT - repeated exposure	No information available.		
Neurological effects Aspiration Hazard	No information available. No information available		
Aspiration Hazard	No mornation available.		
	SECTION 12. Ecolo	gical information	
Ecotoxicity			
Product does not present an aqua	tic toxicity hazard based on know	n or supplied information.	
Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and oth aquatic invertebrates
sodium salt of weak mineral acid			EC50 6.98 - 10.68 mg/L
			(Ceriodaphnia dubia) 48h
Persistence and degradabili	ity No information available.		
Bioaccumulation	No information available.		
Mobility	No information available		
Other adverse effects			
No information available.			
	SECTION 13. Dispos	al considerations	
	SECTION 15. Dispos		
Waste Disposal Methods			
	applicable national environmental	laws and regulations.	
Dispose of in accordance with all	applicable national environmental	laws and regulations.	
Waste Disposal Methods Dispose of in accordance with all Disposal considerations	applicable national environmental	laws and regulations.	
Dispose of in accordance with all a	applicable national environmental of this material and its container i	·	
Dispose of in accordance with all a		n a safe way.	

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

### Canadian Workplace Hazardous Materials Information System (WHMIS) Classification

This product does not meet the criteria for classification under the Hazardous Products Act. SARA 313

12757-B - SignalFire™ Elite ECL Reagent B

Revision Date: 2014-10-16

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

> No No No No

<u>s/</u>	ARA 311/312 Hazard Categories
	Acute Health Hazard
	Chronic Health Hazard
	Fire Hazard
	Sudden Release of Pressure Hazard
	Reactive Hazard

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations.

#### U.S. FIFRA Label Information

This product does not contain any substances regulated as pesticides.

US Commerce Department - Export Administration Regulations Information

#### This product does not contain any substances regulated under the Chemical Weapons Convention (CWC).

U.S. Drug Enforcement Administration Information

This product does not contain any substances regulated under the DEA.

### SECTION 16. Other information

Issuing Date: 2014-10-15 Revision Date: 2014-10-16 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 warrantly 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

Page 6/6