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## 1. PRODUCT AND COMPANY IDENTIFICATION

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**Product Name**                    **Dylight™ 488 Phalloidin**  
**Product Number**                **12935S**

**Identified Uses**                 For Research Use Only (RUO). Not intended for use in humans or animals.  
Not intended for therapeutic or diagnostic procedures.

**Manufacturer/Supplier**        Cell Signaling Technology, Inc.  
3 Trask Lane  
Danvers, MA 01923 USA  
1-978-867-2300

**Importer**                         Cell Signaling Technology Europe  
Plesmanlaan 1d  
2333 BZ Leiden  
The Netherlands

**Email address:**                 info@cellsignal.eu  
**Fax #:**                                +31 (0)71 568 1065  
**Phone #:**                            +31 (0)71 568 1060

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## 2. HAZARDS IDENTIFICATION

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### Emergency Overview

#### GHS Classification

Acute Toxicity, Oral (Category 4)  
Acute Toxicity, Skin (Category 4)  
Acute Toxicity, Inhalation  
Eye Damage, (Category 1)



**Signal Word:**                    Danger

#### Hazard statement(s)

H302: Harmful if swallowed  
H312: Harmful in contact with skin  
H318: Causes serious eye damage  
H332: Harmful if inhaled

#### Precautionary statements

Wear protective gloves. Wear eye or face protection. Wear protective clothing.  
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
IF IN EYES: Immediately call a POISON CENTER or physician.

Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Potential Health Effects**

**Eyes** Causes serious eye damage.

**Skin** Harmful in contact with skin.

**Inhalation** Harmful if inhaled. May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.

**Ingestion** Harmful if swallowed. May cause burns to mouth, throat and stomach.

**Effects**

Carcinogenic effects No information available

Mutagenic effects No information available

Reproductive toxicity No information available

Sensitization No information available

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**


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**Hazardous Ingredients**

Chemical Name	CAS No.	EC No.	Concentration
Dylight Dyes, Phalloidin Conjugates	Not found	Not found	98-100%

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**4. FIRST AID MEASURES**


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**Eye Contact** Rinse immediately with plenty of water. Get medical attention.

**Skin Contact** Rinse immediately with soap and plenty of water. Get medical attention.

**Inhalation** Move to fresh air. Get medical attention.

**Ingestion** Call Poison Control Center immediately. Never give anything by mouth to an unconscious person. Rinse mouth with water.

**Notes to physician** Treat symptomatically.

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**5. FIRE FIGHTING MEASURES**


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**Flash Point** See Section 9. Physical and Chemical Properties

**Suitable Extinguishing Media** Use extinguishing agent suitable for the surrounding fire.

**Special exposure hazards** No data available

**Special protection for fire fighters** Wear self-contained breathing apparatus and protective unit

**Other information** No data available

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**6. ACCIDENTAL RELEASE MEASURES**


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**Personal precautions** Do not touch or walk through spilled material. Wear personal protective equipment

**Environmental precautions** Do not let product enter drains.

**Clean up methods** Soak up with absorbent material. Keep in suitable closed containers for disposal.

**Other information** See sections 12 and 13 for additional information.

## 7. HANDLING AND STORAGE

**Safe handling advice** Avoid contact with eyes and skin. Ensure adequate ventilation.

**Storage conditions** Keep container tightly closed. Recommended storage temperature -20C.

**Incompatibilities** No data available

**Specific end uses** No data available

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Limits

No exposure limit value known.

### Exposure Controls

Apply technical measures to comply with the occupational exposure limits.

### Engineering Controls

Emergency eyewash and safety shower. Mechanical exhaust required.

### Hygiene Measures

Do not eat, drink or smoke when handling product. Wash hands thoroughly after handling product. Wash contaminated clothing before reuse.

### Personal Protective Equipment

Respiratory Protection: In case of insufficient ventilation wear suitable respiratory equipment.

Eye Protection: Safety glasses with side shields

Skin and body protection: Wear suitable protective clothing, protective shoes or boots.

Hand protection: Compatible chemical resistant gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical State	solid
Color	various
Odor	no data available
pH	no data available
Water Solubility	Soluble
Melting point/freezing point	no data available
Boiling point	no data available
Evaporation rate	no data available
Flash point	no data available
Autoignition temperature	no data available
Flammability limits in air	may be combustible at high temperatures
Explosive properties	no data available
VOC content	no data available
Decomposition temperature	no data available

**10. STABILITY AND REACTIVITY**

<b>Stability</b>	Stable under normal conditions.
<b>Conditions/Materials to avoid</b>	No data available.
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**11. TOXICOLOGICAL INFORMATION**

To the best of our knowledge, the chemical, physical and toxicological properties have not been fully investigated.

**Acute Toxicity**

Ingredient name	Result	Species	Dose	Exposure
Dylight Dyes, Phalloidin Conjugates	LD50 Intraperitoneal	Mouse	2 mg/kg	-

**Routes of Exposure**

Oral, Dermal, Inhalation

**Potential Health Effects**

<b>Eyes</b>	Causes serious eye damage.
<b>Skin</b>	Harmful in contact with skin.
<b>Inhalation</b>	Harmful if inhaled. May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.
<b>Ingestion</b>	Harmful if swallowed. May cause burns to mouth, throat and stomach.

**Chronic Effects**

Irritation/Corrosion	No data available
Sensitizer	No data available
Mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Teratogenicity	No data available

**Target organ effects** No information available

**12. ECOLOGICAL INFORMATION**

The environmental impact of this product has not been fully investigated.

<b>Ecotoxicity</b>	No data available
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility</b>	No data available

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods**

The classification of the product may meet the criteria for a hazardous waste. Dispose of in accordance with all applicable environmental laws and regulations.

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**14. TRANSPORT INFORMATION**

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**IATA**

UN-No	UN2811
Proper Shipping Name	Toxic solid, organic, n.o.s. (phalloidin conjugate)
Hazard Class	6.1
Packing Group	II
Environmental Hazards	No

**IMDG**

UN-No	UN2811
Proper Shipping Name	Toxic solid, organic, n.o.s. (phalloidin conjugate)
Hazard Class	6.1
Packing Group	II
Environmental Hazards	No

**ADR/RID**

Not regulated

**ADN**

Not regulated

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**15. REGULATORY INFORMATION**

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**Safety, health and environmental regulations specific for the product:**

**EU Regulation (EC) No. 1907/2006 (REACH), Annex XIV – List of substances subject to authorization, Substances of very high concern**  
None of the components listed.

<b>Annex XVII</b>	Not applicable
<b>Other EU regulations</b>	Not listed

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**16. OTHER INFORMATION**

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**Revision date** 2013-10-12**Disclaimer**

The information provided on this material safety data sheet is to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Material Safety Data Sheet