
1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Dylight™ 350 Phalloidin
Product Number	12848S
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

2. HAZARDS IDENTIFICATION

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 |

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients

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

4. FIRST AID MEASURES

- 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.

5. FIRE FIGHTING MEASURES

- 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

6. ACCIDENTAL RELEASE MEASURES

- 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

Stability	Stable under normal conditions.
Conditions/Materials to avoid	No data available.
Hazardous decomposition products	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

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.

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.

Ecotoxicity	No data available
Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility	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.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

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.

Annex XVII	Not applicable
Other EU regulations	Not listed

16. OTHER INFORMATION

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