

Safety Data Sheet according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 Date of issue: 05/03/2016 Revision date: 05/03/2016 Version: 1.0

1.1       Product identifier         Product name       ::       Flash Phalodini ** NIR 647         Product code       ::       424205         1.2.       Relevant identified uses of the substance or mixture and uses advised against         Use of the substance/mixture       :       Research use only         1.3.       Details of the subplier of the safety data sheet       BioLogond Inc.         1.4.1388-455-3688       Image and the substance or mixture       Image and the substance or mixture         2.1.       Classification of the substance or mixture       Image and the substance or mixture         2.1.       Classification Acute Toxicity 4 (Oral)       Acute Toxicity 4 (Oral)         Acute Toxicity 4 (Oral)       Acute Toxicity 4 (Oral)       Acute Toxicity 4 (Oral)         Acute Toxicity 4 (Oral)       Image and the substance or mixture       Image and the substance or mixture         OHS-US classification       Acute Toxicity 4 (Oral)       Image and the substance or mixture         OHS-US classification       Acute Toxicity 4 (Oral)       Image and the substance or mixture         OHS-US classification       Acute Toxicity 4 (Oral)       Image and the substance or mixture         OHS-US classification       Image and the substance or mixture       Image and the substance or mixture or toxicity 3 (Demail)         Acute Toxicity 4 (Oral)	SECTION 1: Identification of the subs	tance/mixture and of the company/u	Indertaking	
Product code       : 424205         12.       Relevant identified uses of the substance or miture and uses advised against         Use of the substance/miture       : Research use only         13.       Details of the supplier of the safety data sheet         Biologend Inc.       : Research use only         9727 Pacific Heights Bivd.       : Search use only         14.       Emergency telephone number         Emergency telephone number       : states 455-9688 (7:00AM - 5:00PM PT, M-F)         Emergency telephone number       : states 455-9688 (7:00AM - 5:00PM PT, M-F)         21.       Classification of the substance or miture         OHS-US classification       : states 455-9688 (7:00AM - 5:00PM PT, M-F)         21.       Classification of the substance or miture         Cust Toxicity 4 (Inhalaton)       : states 40(10)         Acuta Toxicity 4 (Inhalaton)       : states 40(10)         Acuta Toxicity 4 (Inhalaton)       : states         22.       Label elements         CHS-US Labeling       : States         Hazard pictograms (GHS-US)       : Darger         Hazard statements (GHS-US)       : Darger         Hazard statements (GHS-US)       : Wear protective gloves, Wear eye or face protection. Orgen protection, Gloves protection, Class protection, Class protection, Stern protective gloves, Wear eye or face protection, St				
1.2. Relevant identified uses of the substance or mixture and uses advised against         Use of the substance/mixture         1.3. Details of the supplier of the safety data sheet         Biggeng Inc.         2027 Practice into SB Md.         Sam Diego, CA 82121 - USA         1.4. Emergency telephone number         Entropy, CA 82121 - USA         1.4. Emergency telephone number         2.1. Classification of the substance or mixture         GHS-US classification         3.4. Control of the substance or mixture         GHS-US classification         3.4. Classification of the substance or mixture         GHS-US classification         3.4. Classification         3.4. Classification         3.4. Classification         3.4. Classification         3.4. Classification         3.4. Classification         3.5. Oracle 3. (Classification         3.6. Classification         3.6. Classification         4.1. Classification         3.6. Classification         4.1. Classification         5.1. Classification         4.2. Classification         4.3. Classification         4.4. Classification         5.2. Classification         4.2. Label elements	Product name	: Flash Phalloidin™ NIR 647		
Ide substance/mixture : Research use only	Product code	: 424205		
Ide substance/mixture : Research use only	1.2. Relevant identified uses of the subst	ance or mixture and uses advised against		
1.3. Details of the supplier of the safety data sheet         BioLegand Inc.         9272 Pacific Heights BWd. San Diego, CA 32121 USA         1 +1868-455-9588         1.4. Emergency telephone number         Emergency number         : 1+1858-455-9588         2.1. Classification of the substance or mixture         GHS-US classification         Acute Toxicity 3 (Demail)         Acute Toxicity 3 (Demail)         Acute Toxicity 3 (Demail)         Acute Toxicity 4 (Inhalation)         Serious Eye Damage 1C         2.2. Label elements         H32-US labelling         Hazard pictograms (GHS-US)         Hazard statements (GHS-US)         Hazard statements (GHS-US)         Hazard statements (GHS-US)         Hazard statements (GHS-US)         Precautionary statements (GHS-US)         Precautionary statements (GHS-US)         Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel				
Biologand Inc. 9272 Padich Heights Bird. Sam Diago, CA 92121 - USA 1-1-858-455-9588 (7:00AM – 5:00PM PT, M-F) SECTION 2: Hozards identification 2:1. Classification of the substance or mixture GHS-US classification Acute Toxicity 4 (Oral) Acute Toxicity 4 (Oral) Acute Toxicity 4 (Inhalation) Serious Eye Damage 1C 2:2. Label elements GHS-US labelling Hazard pictograms (GHS-US) Hazard pictograms (GHS-US) Signal word (GHS-US) Hazard statements (GHS-US) Frecautionary statements (GHS-US) Call a POISON CENTER or physician if you feel unwell. There and lege 1 the stating of thirds of smoother when using this product. Wash hands through after handling. IF INHALED. Call a POISON CENTER or physician if you feel unwell. Flows through after handling. IF INHALED. Call a POISON CENTER or physician if you feel unwell. Flows through after handling. IF INHALED. POISON CENTER or physician if you feel unwell. Flows and water. Call a POISON CENTER or physician if you feel unwell. Flows and water. Call a POISON CENTER or physician if you feel unwell. Flows and water. Call a POISON CENTER or physician if you feel unwell. Flows and water. Call a POISON CENTER or physician if you feel unwell. Flows and water. Call a POISON CENTER or physician if you feel unwell. Flows and water. Call a POISON CENTER or physician if you feel unwell. Flows and water. Call a POISON CENTER or physician if you feel unwell. Flows and the pois or an a POISON CENTER or physician if you feel unwell. Flows ALLOWED: Call a POISON CENTER or physician if you feel unwell. Flow SMLT: Take off immediately all contaminated clothing. Wash with plenty of scap and water. Call a POISON CENTER or physician if you feel unwell. The statements and poistion control test in a position control test physician. 2.3. Other hazards No additional information available. 2.4. Unknown acute toxicity (GHS US) No additional information available. 2.5. Composition/information on ingredients 3.1. Substance	1.3 Details of the supplier of the safety d	•		
9727 Factic Heights Buld.         San Diego, CA 29121 - USA         1.4. Emergency telephone number         Emergency number       ± 1:458-455-9588 (7:00M - 5:00PM PT, M-F)         Section 2: Hazards Identification         Colspan="2">Colspan=2">Colspan=2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2" <colspan="2">Colspan="2"<colspan="2"< td="">         Colspan=2       Colspan=2         Colspan=2        <td< td=""><td></td><td></td><td></td><td></td></td<></colspan="2"<></colspan="2">				
1.4.       Emergency telephone number         Emergency number       : ±1-858-455-9588 (7:00AM - 5:00PM PT, M-F)         SECTION 2: Hazards identification         2.1.       Classification of the substance or mixture         OHE OF SUBSTICE         2.1. Classification         Acute Toxicity 4 (Inhalation)         Serious Eye Damage 1C         2.2. Label elements         GHS-US labelling         Hazard pictograms (CHS-US)       : Danger         Toxic in contact with skin. Harmful if swallowed or if inhaled. Causes serious eye damage.         Precautionary statements (CHS-US)       : Wear protective gloves. Wear eye or face protection. Wear protective clohing. Use only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat. drink or smoke when using this product. Wash hands thoroughly after handling. IF INHALED: Remove victim to fresh art and keep at rest in a position contontotable for breathing. Call a POISON CENTER or physician if you feel unwell. Rise mouth. IF ON SKIN: Take off immediately all contaminated clothing. Wear eyor contact leinses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician if you feel unwell. Rise mouth. IF ON SKIN: Take off immediately all contaminated clothing. Wear eyor contaminated clothing before reuse. Fin NE YEE: Sinse callouosily with water for several minutes. Remove contact leinses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician if you feel unwell. FON SKIN: Take off immediately all contaminated clothing.				
1.4. Emergency number       : ±1-858-455-9588 (7:00AM - 5:00PM PT, M-F)         SECTION 2: Hazards identification         2.1. Classification of the substance or mixture         OHE-US classification         2.1. Classification of the substance or mixture         OHE-US classification         Acute Toxicity 4 (Oral)         Acute Toxicity 4 (Oral)         Acute Toxicity 4 (Inhalation)         Serious Eye Damage 1C         2.2. Label elements         OHE-US classification         Hazard pictograms (GHS-US)         Hazard sidements (GHS-US)         Hazard sidements (GHS-US)         Hazard sidements (GHS-US)         Precutionary statements (GHS-US)         Waar protective gloves. Wear eye or face protection. Wear protective clothing. Use only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink for smoke when using this protective gloves. Wear eye or face protection. Wear protective clothing. Use only outdoors or in a well-ventilated area. Avoid breathing the hadding. [* NHALED: Remove victim to fresh air and keep at rest in a position confortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SVALLOWED: Call a POISON CENTER or physician if you feel unwell. IF SVALLOWED: Call a POISON CENTER or physician if you feel unwell. IF SVALLOWED: Call a POISON CENTER or physicina if you feel unwell. IF SVALLOWED: Call a POI				
Emergency number       : +1-858-455-9588 (7:00M - 5:00PM PT, M-F)         SECTION 2: Hazards identification         Acute Toxicity 4 (challon of the substance or mixture         OHS-US classification         Acute Toxicity 4 (challon)         Acute Toxicity 4 (challation)         Serious Exp Damage 1C         2.2. Label elements         CHS-US labeling         Hazard pictograms (GHS-US)         Signal word (GHS-US)         Hazard statements (GHS-US)         E Darger         Toxic in contact with skin. Harmful if swallowed or if inhaled. Causes serious eye dramage.         Precautionary statements (GHS-US)         E Darger         Frecautionary statements (GHS-US)         E Darger         Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Wash containtact cloting before reuse. IF IN FEVES: Rinse cautously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call an euter state and easy to do. Continue rinsing. Immediately call an EUSING CENTER or physician if you feel unwell. Wash contaminated cloting before reuse. IF IN FEVES: Rinse cautously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician	I +1-858-455-9588			
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2.1.       Classification of the substance or mixture         GH5-US classification       Acute Toxicity 4 (Oral)         Acute Toxicity 3 (Dermal)       Acute Toxicity 3 (Dermal)         Acute Toxicity 4 (Inhalation)       Serious Eye Damage 1C         2.2.       Label elements         GH5-US labelling       Hazard pictograms (GH5-US)         Hazard pictograms (GH5-US)       : Danger         Signal word (GH5-US)       : Toxic in contact with skin. Harmful if swallowed or if inhaled. Causes serious eye dramage.         Precautionary statements (GH5-US)       : Toxic in contact with skin. Harmful if swallowed or if inhaled. Causes serious eye dramage.         Precautionary statements (GH5-US)       : Toxic in contact with skin. Harmful if swallowed or if inhaled. Causes serious eye dramage.         Precautionary statements (GH5-US)       : Wear protective gloves. Wear eye or face protection. Wear protective clothing. Use only outdoors or in a well-ventilated area. Avoid breathing dust. Do not est, drink or smoke when using this product. Wash hands thoroughly after handling. IN HALED: Remove witchin to fresh air and keep at rest in a position comforable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Take off immediately all contaminated clothing. Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. Take off immediately call a POISON CENTER or physician if you feel unwell. Take on the unwell. Take off immediately all contaminated clothing. Use dottinue finsing. Immediately call a POISON CENTER or physiciant	Emergency number	: +1-858-455-9588 (7:00AM – 5:00PM PT, M-F	.)	
GHS-US classification         Acute Toxicity 4 (Oral)         Acute Toxicity 3 (Dermal)         Acute Toxicity 4 (Inhalation)         Serious Eye Damage 1C         2.2       Label elements         GHS-US labeling         Hazard pictograms (GHS-US)       :	SECTION 2: Hazards identification			
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Acute Toxicity 3 (Dermal)         Acute Toxicity 4 (Inhalation)         Serious Eye Damage 1C         22.       Label elements         GHS-US labelling         Hazard pictograms (GHS-US)       :         if pictograms (GHS-US)       :         Hazard statements (GHS-US)       :         Hazard statements (GHS-US)       :         Precautionary statements (GHS-US)       :         Vear protective gloves. Wear eye or face protection. Wear protective clothing. Use on face protection. Wear protective clothing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOVED: Call a POISON CENTER or physician if you feel unwell. IF SWALLOVED: Call a POISON CENTER or physician if you feel unwell. IF SWALLOVED: Call a POISON CENTER or physician if you feel unwell. IF SWALLOVED: Call a POISON CENTER or physician if you feel unwell. If SWALLOVED: Call a POISON CENTER or physician if you feel unwell. IF SWALLOVED: Call a POISON CENTER or physician if you feel unwell. If SWALLOVED: Call a POISON CENTER or physician if you feel unwell. If SWALLOVED: Call a POISON CENTER or physician if you feel unwell. If SWALLOVED: Call a POISON CENTER or physician if you feel unwell. If SWALLOVED: Call a POISON CENTER or physician if you feel unwell. If SWALLOVED: Call a POISON CENTER or physician if you feel unwell. If SWALLOVED: Call a POISON CENTER or physician if you feel unwell. If SWALLOVED: Call a POISON CENTER or physician if you feel unwell. If SWA	Acute Toxicity 4 (Oral)			
Acute Toxicity 4 (Inhalation)         Serious Eye Damage 1C         2.2. Label elements         GHS-US labelling         Hazard pictograms (GHS-US)         Signal word (GHS-US)         Hazard statements (GHS-US)         Hazard statements (GHS-US)         Precautionary statements (GHS-US)         Precautionary statements (GHS-US)         Vear protective gloves. Wear eye or face protection. Wear protective clothing. Use only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. Risme mouth. IF ON SKIN: Take of firmediately all contaminated clothing before reuse. IF IN EYES: Risme cautiously with water for soap and water. Call a POISON CENTER or physician if you feel unwell. Nase mouth. IF ON SKIN: Take of firmediately all contaminated clothing before reuse. IF IN EYES: Risme cautiously with water for soap and water. Call a POISON CENTER or physician if you feel unwell. Wash contaminated clothing before reuse. IF IN EYES: Risme cautiously with water for soap and water. Call a POISON CENTER or physician.         2.3. Other hazards         No additional information available.         2.4. Muknown acute toxicity (GHSUS)         No additional information available.         2.5. Other hazards         Storemostion/information or ingredients				
2.2.       Label lements         GHS-US labelling         Hazard pictograms (GHS-US)       :         Signal word (GHS-US)       :         Hazard statements (GHS-US)       :         Hazard statements (GHS-US)       :         Precautionary statements (GHS-US)       :         Wear protective gloves. Wear eye or face protection. Wear protective clothing. Use only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Wash contaminated clothing before reuse. 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 physician if you feel unwell. Wash contaminated clothing before reuse. 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 physician.         2.3.       Other hazards         No additional information available.         2.4.       Unknown acute toxicity (GHS US)         No additional information available.         2.1.       Substance	Acute Toxicity 4 (Inhalation)			
GHS-US labelling         Hazard pictograms (GHS-US)         Signal word (GHS-US)         Hazard statements (GHS-US)         Hazard statements (GHS-US)         Precautionary statements (GHS-US)         Wear protective gloves. Wear eye or face protection. Wear protective clothing. Use only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or only outdoors or in a well-ventilate area. Avoid breathing be in well. IF ON SKIN: Take of immed	Serious Eye Damage 1C			
GHS-US labelling         Hazard pictograms (GHS-US)         Signal word (GHS-US)         Hazard statements (GHS-US)         Hazard statements (GHS-US)         Precautionary statements (GHS-US)         Wear protective gloves. Wear eye or face protection. Wear protective clothing. Use only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or only outdoors or in a well-ventilated area. Avoid breathing fully alter handling. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. IF ON SKIN: Take off immediately all contaminated clothing. Wash with plenty of soap and water. Call a POISON CENTER or physician. If you feel unwell. Nease mouth. IF ON SKIN: Take off immediately all contaminated clothing. Wash with plenty of soap and water. Call a POISON CENTER or physician.         2.3. Other hazards         No additional information available.         2.4. Unknown acute toxicity (GHS US)         No additional information available.         SECTION 3: Composition/information on ingredients         S1.       Substance	2.2. Label elements			
Hazard pictograms (GHS-US)       ::				
Hazard statements (GHS-US)       : Toxic in contact with skin. Harmful if swallowed or if inhaled. Causes serious eye damage.         Precautionary statements (GHS-US)       : Wear protective gloves. Wear eye or face protection. Wear protective clothing. Use only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. IF ON SKIN: Take off immediately all contaminated clothing. Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. Wash contaminated clothing before reuse. 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 physician.         2.3. Other hazards         No additional information available.         2.4. Unknown acute toxicity (GHS US)         No additional information available.         SECTION 3: Composition/information on ingredients         3.1.         Substance				
Precautionary statements (GHS-US)       : Wear protective gloves. Wear eye or face protection. Wear protective clothing. Use only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Wash contaminated clothing before reuse. 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 physician.         2.3. Other hazards         No additional information available.         2.4. Unknown acute toxicity (GHS US)         No additional information available.         SECTION 3: Composition/information on ingredients         3.1.		: Danger		
Precautionary statements (GHS-US)       : Wear protective gloves. Wear eye or face protection. Wear protective clothing. Use only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. IF ON SKIN: Take off immediately all contaminated clothing. Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. Wash contaminated clothing before reuse. 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 physician.         2.3. Other hazards       No additional information available.         2.4. Unknown acute toxicity (GHS US)       No additional information available.         SECTION 3: Composition/information on ingredients       3.1. Substance	Hazard statements (GHS-US)		llowed or if inh	aled. Causes serious eye
No additional information available.         2.4.       Unknown acute toxicity (GHS US)         No additional information available.         SECTION 3: Composition/information on ingredients         3.1.       Substance	Precautionary statements (GHS-US)	<ul> <li>Wear protective gloves. Wear eye or face protection. Wear protective clothing. Use only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. IF ON SKIN: Take off immediately all contaminated clothing. Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a</li> </ul>		
2.4.       Unknown acute toxicity (GHS US)         No additional information available.         SECTION 3: Composition/information on ingredients         3.1.       Substance	2.3. Other hazards			
No additional information available.          SECTION 3: Composition/information on ingredients         3.1.       Substance	No additional information available.			
SECTION 3: Composition/information on ingredients 3.1. Substance	2.4. Unknown acute toxicity (GHS US)			
3.1. Substance	No additional information available.			
	<b>SECTION 3: Composition/information</b>	on ingredients		
Name         Product identifier         %         GHS-US classification	3.1. Substance			
	Name	Product identifier	%	GHS-US classification

# Flash Phalloidin™ NIR 647

#### Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

Name	Product identifier	%	GHS-US classification
Flash Phalloidin™ NIR 647	(CAS No) 17466-45-4	90-100	Acute Tox. 4 (Oral)
			Acute Tox. 3 (Dermal)
			Acute Tox. 4 (Inhalation)
			Serious Eye Damage 1C

#### 3.2. Mixture

Not applicable.

SECTION 4: First aid measures		
4.1. Description of first aid meas	ures	
First-aid measures after inhalation	: Get medical attention if adverse. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.	
First-aid measures after skin contact	: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.	
First-aid measures after eye contact	: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.	
First-aid measures after ingestion	: Get medical attention if adverse health effects persist or are severe. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open ain/vay. Loosen tight clothing such as a collar, tie, belt or waistband.	
4.2. Most important symptoms a	nd effects, both acute and delayed	
Symptoms/injuries after inhalation	<ul> <li>Harmful if inhaled. May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.</li> </ul>	
Symptoms/injuries after skin contact	: Toxic in contact with skin.	
Symptoms/injuries after eye contact	: Causes serious eye irritation.	
Symptoms/injuries after ingestion	: Harmful if swallowed. May cause burns to mouth, throat and stomach.	
Over-exposure signs/symptoms:		
Eye contact:	Adverse symptoms may include the following:	
1	pain	
	watering	
	redness	
nhalation:	No specific data.	
Skin contact:	Adverse symptoms may include the following:	
	pain or irritation	
1	redness	
I	blistering may occur	
Ingestion:	Adverse symptoms may include the following:	
:	stomach pains	

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible). *Notes to physician:* Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. *Specific treatments:* No specific treatment.

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Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media :	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	None known.
5.2. Special hazards arising from the subs	tance or mixture
Fire hazard :	No specific fire or explosion hazard. May be combustible at high temperatures.
5.3. Advice for firefighters	
Protection during firefighting	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SECTION 6: Accidental release measu	ires
6.1. Personal precautions, protective equi	pment and emergency procedures
General measures	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
6.2. Methods and material for containment	t and cleaning up
For containment	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods for cleaning up :	<i>Small spills</i> : Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. <i>Large spills</i> : Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste see Section 1 for emergency contact information and Section 13 for waste disposal.
6.3. Reference to other sections	

6.3.

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Hygiene measures	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
7.2. Conditions for safe storage, includin	g any incompatibilities
Storage conditions	: Do not store above the following temperature: 4°C (39.2°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
7.3. Specific end use(s)	
Not available	

Not available.

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SECTION 8: Exposure co	ontrols/personal protection	
8.1. Control parameters		
Flash Phalloidin™ NIR 647		
ACGIH	Not applicable	
OSHA	Not applicable	
·		
8.2. Exposure controls		
Appropriate engineering controls	<ul> <li>Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.</li> </ul>	
Hand protection	: Wear chemically resistant protective gloves.	
Eye protection	: Wear eye/face protection.	
Skin and body protection	: Wear suitable protective clothing.	
Respiratory protection	• A NIOSH approved dust mask or filtering faceniece is recommended in poorly ventilated areas	

Respiratory protection	: A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Other information	: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

<b>SECTION 9: Physical and chemic</b>	al properties
9.1. Information on basic physical a	nd chemical properties
Physical state	: Solid
Appearance	: No data available
Colour	: Yellow orange
Odour	: Odorless
Odour threshold	: No data available
рН	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Relative vapour density at 20 °C	: No data available
Solubility	: Soluble in the following materials: cold water, hot water and methanol
Partition coefficient: n-octanol/water	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
9.2. Other information	

No additional information available.

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SECTION 10: Stability and reactivity			
10.1. Reactivity			
No dangerous reaction known under conditions of normal use.			
10.2. Chemical stability			
Stable under normal storage conditions.			
10.3. Possibility of hazardous reactions			
No dangerous reaction known under conditions of	of normal use.		
10.4. Conditions to avoid			
No specific data.			
10.5. Incompatible materials			
No specific data.			
10.6. Hazardous decomposition products			
No hazardous decomposition products known un	der conditions of normal use.		
SECTION 11: Toxicological information	ion		
11.1. Information on toxicological effects			
Acute toxicity	:		
Flash Phalloidin™ NIR 647			
LD50 Intraperitoneal mouse	Dose: 2mg/kg		
Skin corrosion/irritation	: Not available.		
Skin conosion/initiation Serious eye damage/irritation	: Not available.		
Respiratory or skin sensitization	: Not available.		
Germ cell mutagenicity	: Not available.		
Carcinogenicity	: Not available.		
Reproductive toxicity	: Not available		
Specific target organ toxicity (single exposure)	: Not available		
Specific target organ toxicity (repeated exposure)	: Not available		
Aspiration hazard	: Not available		
Symptoms/injuries after inhalation	: No specific data.		
Symptoms/injuries after skin contact	: Toxic in contact with skin.		
Symptoms/injuries after eye contact	: Causes serious eye damage.		
Symptoms/injuries after ingestion	: Harmful if swallowed. May cause burns to mouth, throat and stomach.		
SECTION 12: Ecological information			
12.1. Toxicity			
Ecology - general	: Not available.		
40.0 Development and de vers de billion			

12.2. Persistence and degradability Flash Phalloidin™ NIR 647 Persistence and degradability Not established. 12.3. **Bioaccumulative potential** Flash Phalloidin™ NIR 647 Not established. Bioaccumulative potential Mobility in soil 12.4. No additional information available. 12.5. Other adverse effects Effect on the global warming : No known ecological damage caused by this product.

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SECTION 13: Disposal consideration	15	
13.1. Waste treatment methods Waste disposal recommendations	: The generation this product, so requirements of local authority r licensed waste sewer unless fu Waste packagir when recycling safe way. Care cleaned or rinse	of waste should be avoided or minimized wherever possible. Disposal of lutions and any by-products should at all times comply with the f environmental protection and waste disposal legislation and any regional equirements. Dispose of surplus and non-recyclable products via a disposal contractor. Waste should not be disposed of untreated to the illy compliant with the requirements of all authorities with jurisdiction. ng should be recycled. Incineration or landfill should only be considered is not feasible. This material and its container must be disposed of in a should be taken when handling emptied containers that have not been ed out. Empty containers or liners may retain some product residues. of spilled material and runoff and contact with soil, waterways, drains and
Additional information	sewers. : None.	
SECTION 14: Transport information		
Department of Transportation (DOT) n accordance with DOT		
JN-No.(DOT)	: UN2811	
Proper Shipping Name (DOT)		anic, n.o.s. (phalloidin conjugate)
Department of Transportation (DOT) Hazard Classes	: Poisons	
Packing group (DOT)	: 11	
dditional information		
Other information	: No supplement	ary information available.
Special transport precautions	: Do not handle u	intil all safety precautions have been read and understood.
SECTION 15: Regulatory informatior	١	
5.1. US Federal regulations		
Control Act (TSCA) inventory except for:	cluded from listing, o	on the United States Environmental Protection Agency Toxic Substances
Flash Phalloidin™ NIR 647		CAS No 17466-45-4
J.S. Federal regulations: ISCA 8(a) CDR Exempt/Partial exemption: Jnited States inventory (TSCA 8b):		Not determined This material is not listed.
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs): Clean Air Act Section 602 / Class I Substances: Clean Air Act Section 602 / Class II Substances: DEA List I Chemicals (Precursor Chemicals): DEA List II Chemicals (Essential Chemicals):		Not listed
Clean Air Act Section 602 / Class I Substances: Clean Air Act Section 602 / Class II Substances: DEA List I Chemicals (Precursor Chemicals):	, <i>, ,</i>	Not listed Not listed Not listed Not listed
Clean Air Act Section 602 / Class I Substances: Clean Air Act Section 602 / Class II Substances: DEA List I Chemicals (Precursor Chemicals): DEA List II Chemicals (Essential Chemicals): SARA 302/304 Composition/information on ingredients SARA 304 RQ	5:	Not listed Not listed
Clean Air Act Section 602 / Class I Substances: Clean Air Act Section 602 / Class II Substances: DEA List I Chemicals (Precursor Chemicals): DEA List II Chemicals (Essential Chemicals): SARA 302/304 Composition/information on ingredients SARA 304 RQ	5:	Not listed Not listed Not listed No products were found.
Clean Air Act Section 602 / Class I Substances: Clean Air Act Section 602 / Class II Substances: DEA List I Chemicals (Precursor Chemicals): DEA List II Chemicals (Essential Chemicals): SARA 302/304 Composition/information on ingredients SARA 304 RQ SARA 311/312 Classification:	5:	Not listed Not listed Not listed No products were found. Not applicable.
Clean Air Act Section 602 / Class I Substances: Clean Air Act Section 602 / Class II Substances: DEA List I Chemicals (Precursor Chemicals): DEA List II Chemicals (Essential Chemicals): SARA 302/304 Composition/information on ingredients SARA 304 RQ SARA 311/312 Classification: I5.2. US State regulations Massachusetts: New York : New York : This mative New Jersey : This mative	erial is not listed. erial is not listed. erial is not listed.	Not listed Not listed Not listed No products were found. Not applicable.
Clean Air Act Section 602 / Class I Substances: Clean Air Act Section 602 / Class II Substances: DEA List I Chemicals (Precursor Chemicals): DEA List II Chemicals (Essential Chemicals): SARA 302/304 Composition/information on ingredients SARA 304 RQ SARA 311/312 Classification: <b>15.2. US State regulations</b> Massachusetts: New York : New York : This mathematical Section 2015 This mathematical Section 2015 Pennsylvania : This mathematical Section 2015 Classification 2015 C	erial is not listed. erial is not listed. erial is not listed. erial is not listed.	Not listed Not listed Not listed No products were found. Not applicable.
Clean Air Act Section 602 / Class I Substances: Clean Air Act Section 602 / Class II Substances: DEA List I Chemicals (Precursor Chemicals): DEA List II Chemicals (Essential Chemicals): SARA 302/304 Composition/information on ingredients SARA 304 RQ SARA 311/312 Classification: <b>15.2. US State regulations</b> Massachusetts: New York : New York : This mat New Jersey : Pennsylvania : Canada inventory : Not dete	erial is not listed. erial is not listed. erial is not listed. erial is not listed.	Not listed Not listed Not listed No products were found. Not applicable.
Clean Air Act Section 602 / Class I Substances: Clean Air Act Section 602 / Class II Substances: DEA List I Chemicals (Precursor Chemicals): DEA List II Chemicals (Essential Chemicals): SARA 302/304 Composition/information on ingredients SARA 304 RQ SARA 311/312 Classification: <b>I5.2. US State regulations</b> Massachusetts: New York : New York : This mathematical Section 2015 This mathematical Section 2015 Pennsylvania : This mathematical Section 2015 Classification 2015 C	erial is not listed. erial is not listed. erial is not listed. erial is not listed.	Not listed Not listed Not listed No products were found. Not applicable.
Clean Air Act Section 602 / Class I Substances: Clean Air Act Section 602 / Class II Substances: DEA List I Chemicals (Precursor Chemicals): DEA List II Chemicals (Essential Chemicals): SARA 302/304 Composition/information on ingredients SARA 304 RQ SARA 311/312 Classification: <b>15.2. US State regulations</b> Massachusetts: New York : New York : New Jersey : Pennsylvania : Canada inventory : Not deter SECTION 16: Other information	terial is not listed. terial is not listed. terial is not listed. terial is not listed. trmined.	Not listed Not listed Not listed No products were found. Not applicable.

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Hazardous Material Ir	nformation System (U.S.A.)
Health	2
Chronic Health Hazard	
Flammability	0
Physical hazards	0
-	

# National Fire Protection Association (U.S.A.)Health2Flammability0Instability/Reactivity0Special3

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