

Revision: 09/18/2013

Cayman Chemical Company
1180 E. Ellsworth Rd.
Ann Arbor, MI 48108



Section 1.	dentification of	r the Subs	stance/Mixture and of the			
1.1 Product Code:	11444					
Product Name:	T-2 Toxin	T-2 Toxin				
Synonyms:	(3.alpha.,4ß,8.alpha.)-12,13-epoxy-4,15-diacetate 8-(3-methylbutanoate)trichothec-9-ene-3,4,8,15-tetrol; Fusariotoxin T-2; Insariotoxin; Mycotoxi T-2; NSC 138780;					
1.2 Relevant identified uses of the set	ubstance or mixture and	l uses advised a	ngainst			
Relevant identified uses:	For research use	only, not for hur	nan or veterinary use.			
1.3 Details of the Supplier of the Saf	ety Data Sheet					
Company Name:	Cayman Chemic	al Company				
Emergency Contact:	CHEMTREC W	ithin USA and C	anada: +1 (800)424-9300			
Alternate Emergency Contact:	CHEMTREC Ou	itside USA and C	Canada: +1 (703)527-3887			
Information:	Cayman Chemic	al Company	+1 (734)971-3335			
Web site address:	www.caymanche	em.com				
	Section 2. F	lazards Id	lentification			
GHS Classification	Placard	Key word	GHS hazard phrase			
Acute Toxicity: Inhalation, Category 1	Skull and	Danger	Fatal if inhaled			
Asuta Tavisitu Oral Catagory 1	crossbones	Denser				
Acute Toxicity: Oral, Category 1	Skull and crossbones	Danger	Fatal if swallowed			
Acute Toxicity: Skin, Category 1	Skull and	Danger	Fatal in contact with skin			
	crossbones					
Skin Corrosion/Irritation, Category 2	Exclamation point	Warning	Causes skin irritation			
GHS Hazard Phrases:	H330: Fatal if in H300: Fatal if sv H310: Fatal in co H315: Causes sk	vallowed.				
GHS Precaution Phrases:	P284: {In case o P264: Wash {hat P262: Do not get P280: Wear {pro P361+364: Take	 P260: Do not breathe {dust/fume/gas/mist/vapours/spray}. P284: {In case of inadequate ventilation, }wear respiratory protection {}. P264: Wash {hands} thoroughly after handling. P262: Do not get in eyes, on skin, or on clothing. P280: Wear {protective gloves/protective clothing/eye protection/face protection}. P361+364: Take off immediately all contaminated clothing and wash it before reuse. P362+364: Take off contaminated clothing and wash it before reuse. 				
GHS Response Phrases:	for breathing. P310: Immediate P301+310: IF SV P330: Rinse mou P361: Take off in P302+350: IF OI P321: Specific tr P302+352: IF OI	 P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P310: Immediately call a {POISON CENTER/doctor/}. P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P330: Rinse mouth. P361: Take off immediately all contaminated clothing. P302+350: IF ON SKIN: Gently wash with plenty of soap and water. P302+352: IF ON SKIN: Wash with plenty of soap and water. P302+352: IF ON SKIN: Wash with plenty of soap and water. P332+313: If skin irritation occurs, get medical advice/attention. 				



GHS Storage and Disposal Phrases:	Please refer to Se	ction 7 for Storage a	and Section 13 for I	Disposal information.	
2.3 Adverse Human Health Effects and Symptoms: Target Organs: LD 50 / LC 50:	Fatal if inhaled. Fatal if swallower Fatal in contact w Causes skin irrita Material may be i May cause eye or	d. vith skin. tion. irritating to the mucco respiratory system i r knowledge, the tox	ous membranes and irritation.	l upper respiratory trac es have not been thorou	
Medical Conditions Generally Aggravated By Exposure:					
Section 3.	Compositio	on/Informati	on on Ingre	edients	
Hazardous Components (Chemical Name)	CAS #	Concentration	EC#	Risk Phrases	RTECS #
I. T-2 Toxin	21259-20-1	100.0 %	244-297-7	R26/27/28-38	YD0100000
	Section 4.	First Aid Me	easures		
4.1 Description of First Aid Measures:					
4.1.1 In Case of Inhalation:		air. If not breathing, nmediate medical att		iration or give oxygen	by trained
4.1.1 In Case of Inhalation:4.1.2 In Case of Skin Contact:	personnel. Get im Immediately wash	nmediate medical att	ention. I plenty of water for	iration or give oxygen r at least 20 minutes. R ns occur. Wash clothing	emove
	personnel. Get im Immediately wash contaminated clou Hold eyelids apar	nmediate medical att h skin with soap and thing. Get medical a	ention. I plenty of water fo ttention if sympton h plenty of water fo	r at least 20 minutes. R	emove g before reuse.
4.1.2 In Case of Skin Contact:	personnel. Get im Immediately wash contaminated clot Hold eyelids apar examined and tes Wash out mouth	the skin with soap and thing. Get medical a t and flush eyes with ted by medical perso with water provided on. Get medical atter	ention. I plenty of water fo ttention if sympton h plenty of water fo onnel. person is consciou	r at least 20 minutes. R ns occur. Wash clothing	emove g before reuse. Have eyes by mouth to an
4.1.2 In Case of Skin Contact:4.1.3 In Case of Eye Contact:	personnel. Get im Immediately wash contaminated clou Hold eyelids apar examined and tes Wash out mouth unconscious perso	amediate medical att h skin with soap and thing. Get medical a t and flush eyes with ted by medical perso with water provided on. Get medical atter l.	ention. I plenty of water fo ttention if sympton h plenty of water fo onnel. person is consciou	r at least 20 minutes. R ns occur. Wash clothing or at least 20 minutes. F s. Never give anything	emove g before reuse. Have eyes by mouth to an

	Section 5. Fire Fighting Measures						
5.1	Suitable Extinguishing Media:	Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Use water spray to cool fire-exposed containers.					
	Unsuitable Extinguishing Media:	A solid water stream may be inefficient.					
5.2	Flammable Properties and Hazards:	No data available.					
	Flash Pt:	No data.					
	Autoignition Pt:	No data available.					
	Explosive Limits:	LEL: No data. UEL: No data.					
	Hazardous Combustion Products:	No data available.					
5.3	Fire Fighting Instructions:	As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.					

Section 6. Accidental Release Measures

6.1 Protective Precautions, Protective Equipment and Emergency Procedures:

Avoid raising and breathing dust, and provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).



6.2	Environmental Precautions:	Take steps to avoid release into the environment, if safe to do so.					
6.3	6.3 Methods and Material For Contain spill and collect, as appropriate.						
Containment and Cleaning Up: Transfer to a chemical waste container for disposal in accordance with local regulations.							
	Se	ection 7. Handling and Storage					
7.1	.1 Precautions To Be Taken in Handling: Avoid breathing dust/fume/gas/mist/vapours/spray.						
		Avoid prolonged or repeated exposure.					
7.2	Precautions To Be Taken in Storing:	Keep container tightly closed.					
		Store in accordance with information listed on the product insert.					
Haza	rd Label Information:	Avoid contact with skin and eyes. Do not reuse this container. Use with adequate ventilation. Wash thoroughly after handling.					

Section 8. Exposure Controls/Personal Protection						
Hazardous Components (Chemical Name)	CAS # OSHA PEL ACGIH TLV Other Limit					
1. T-2 Toxin	21259-20-1	No data.	No data.	No data.		
Hazardous Components (Chemical Name)	CAS #	Britain EH40	France VL	Europe		
1. T-2 Toxin	21259-20-1	No data.	No data.	No data.		
Protective Equipment Summary - Hazard Label Information:	Compatible chemical-resistant gloves Eye wash station in work area Lab coat Safety glasses Safety shower in work area Vent Hood					
8.2.1 Engineering Controls (Ventilation etc.):	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.					
8.2.2.1 Eye Protection:	Safety glasses					
8.2.2.2 Protective Gloves:	Compatible chemical-resistant gloves					
Other Protective Clothing:	Lab coat					
8.2.2.3 Respiratory Equipment (Specify Type):	NIOSH approved respirator, as conditions warrant.					
Work/Hygienic/Maintenance Practices:	Do not take internally. Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower. Wash thoroughly after handling.					
8.2.3 Environmental Exposure Controls:	No data available					

Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical States:	[]Gas []Liquid [X]Solid
Appearance and Odor:	A crystalline solid
Melting Point:	No data.
Boiling Point:	No data.
Flash Pt:	No data.
Evaporation Rate:	No data.
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	No data.
Specific Gravity (Water = 1):	No data.
Solubility in Water:	No data.
Solubility Notes:	~0.5 mg/ml in 1:1 DMSO:PBS (pH 7.2); ~20 mg/ml in EtOH; ~30 mg/ml in DMF & DMSO;
Autoignition Pt:	No data.



Oxidizing Properties: No data available. 9.2 Other Information Percent Volatile: No data. Formula: C24F3409 Molecular Weight: 466.60 Section 10. Stability and Reactivity 10.3 Stability: Usable [1] Stable [X] 10.3 Stability: Usable [1] Stable [X] 10.3 Stability: Usable [1] Stable [X] 10.4 Conditions To Avoid: No data available. 10.5 Incompatibility - Materials To Avoid: No data available. 10.6 Interactions: Will not occur [X] 10.6 Interactions: No data available. 10.7 Polymerisation: No data available. 10.8 Interactions Decomposition Or No data available. Pyproducts: No data available. Pyproducts: No data available. Stability - Intervision and a available. No data available. Pyproducts: No data available. Stability: No data available. Stab	Explosive Properties:	No data available.						
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Formula: C24B3409 Molecular Weight: 466.60 Section 10. Stability and Reactivity 10.1 Reactivity: No data available. 10.2 Stability: Unstable. 10.3 Stability: Unstable. 10.4 Conditions To Avoid: No data available. 10.5 Incompatibility - Materials To Avoid: No data available. 10.6 Hazardous Decomposition Or No data available. 10.6 Hazardous Decomposition Or No data available. Bection 11. Toxicological Information 11.1 Information on Toxicological Effects: T-2 toxin - Toxicity Data: Oral LDS0 (may:): 3.8 mg/kg; Chronic Toxicological Effects: T-2 toxin - Toxicity Data: Oral LDS0 (may:): 3.8 mg/kg; Chronic Toxicological Effects: T-2 toxin - Toxicity Data: Oral LDS0 (may:): 3.8 mg/kg; Chronic Toxicological Effects: T-2 toxin - Toxicity Data: Oral LDS0 (may:): 3.8 mg/kg; Chronic Toxicological Effects: T-2 toxin - Toxicity Data: Oral LDS0 (may:): 3.8 mg/kg; Chronic Toxicological Information	9.2 Other Information							
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10.4 Conditions To Avoid: No data available. 10.3 Polymerization: Will occur [] Will not occur [X] 10.5 Incompatibility - Materials To Avoid: No data available. 10.6 Hazardous Decomposition Or Byporducts: No data available. Section 11. Toxicological Information 11.1 Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied. 12.1 Toxicological Effects: Tr.2 Toxin - Toxicity Data: Oral LD50 (rat): 2.7 mg/kg: Inhalation LC50 (rat): 20 mg/m3/10M: Skin LD50 (rat): 2.56 mg/kg: Oral LD50 (rat): 2.7 mg/kg: Inhalation LC50 (rat): 20 mg/m3/10M: Skin LD50 (rat): 2.56 mg/kg: Oral LD50 (rat): 2.7 mg/kg: Inhalation LC50 (rat): 20 mg/m3/10M: Skin LD50 (rat): 2.56 mg/kg: Oral LD50 (rat): 2.7 mg/kg: Inhalation LC50 (rat): 20 mg/m3/10M: Skin LD50 (rat): 2.56 mg/kg: Oral LD50 (rat): 2.7 mg/kg: Inhalation LC50 (rat): 20 mg/m3/10M: Skin LD50 (rat): 2.56 mg/kg: Oral LD50 (rat): 2.7 mg/kg: Inhalation LC50 (rat): 20 mg/m3/10M: Skin LD50 (rat): 2.56 mg/kg: Oral LD50 (rat): 2.7 mg/kg: Inhalation LC50 (rat): 20 mg/m3/10M: Skin LD50 (rat): 2.56 mg/kg: Oral LD50 (rat): 2.7 mg/kg: Inhalation LC50 (rat): 20 mg/m3/10M: Skin LD50 (rat): 2.56 mg/kg: Oral LD50 (rat): 2.7 mg/kg: Inhalation LC50 (rat): 20 mg/m3/10M: Skin LD50 (rat): 2.56 mg/kg: Oral LD50 (rat): 2.7 mg/kg: Inhalation LC50 (rat): 20 mg/m3/10M: Skin LD50 (rat): 2.56 mg/kg: Oral LD50 (rat): 2.7 mg/kg: Inhalation LC50 (rat): 20 mg/m3/10M: Skin LD50 (rat): 2.56 mg/kg: Oral LD50 (rat): 2.7 mg/kg: Inhalation LC50 (rat): 20 mg/m3/10M: Skin LD50 (rat): 2.56 mg/kg: Oral LD50 (rat): 2.7 mg/kg: Inhalation LC50 (rat):	10.2 Stability:	Unstable [] Stable [X]						
10.3 Polymorization: Will occur [↓ Will not occur [x] 10.5 Incompatibility - Materials To Avoid: No data available. 10.6 Hazardous Decomposition Or Byproducts: No data available. 10.7 Section 11. Toxicological Information 11.1 Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied. 11.1 Information on Toxicological Effects: The toxicological effects of Chair 2.27 mg/kg: Inhalation LC50 (rat): 2.0 mg/m3/10M: Skin LD50 (rat): 2.56 mg/kg: Oral LD50 (mouse): 3.8 mg/kg: Chronic Toxicological Effects: T-2 Toxin Troxicity Data: Oral LD50 (mouse): 3.8 mg/kg: Chronic Toxicological Effects: T-2 Toxin Troxicity Data: Oral LD50 (mouse): 3.8 mg/kg: Chronic Toxicological Effects: T-2 Toxin TECS Number: YD0100000 Hazardous Components (Chemical Name) CAS # NTP IARC ACGIH OSHA 1. T-2 Toxin TECS Number: Runoff from fire control of dilution water may cause pollution. n.a. n.a. n.a. n.a. 1.1 Toxins; extracted from fire control or dilution water may cause pollution. Section 13. Disposel Considerations 1.1 Toxins, extracted from living sources, solid, n.o.s (3.a]pha.48.8.a]pha.)-12.13-epoxy-4.15-diacetate 8-(3-methylbutanoate)trichothee-9-em-3.	10.3 Stability Note(s):	Stable if stored in accordance with information listed on the product insert.						
10.5 Incompatibility - Materials To Avoid: No data available. 10.6 Hazardous Decomposition Or Byproducts: No data available. 11.1 Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied. 11.1 Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied. 11.1 Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied. 12.1 Toxin - Toxicity Data: Oral LD50 (rat): 2.7 mg/kg: Inhalation LC50 (rat): 20 mg/m3/10M; Skin LD50 (rat): 2.56 mg/kg; Oral LD50 (rat): 2.7 mg/kg; Inhalation LC50 (rat): 20 mg/m3/10M; Skin LD50 (rat): 2.56 mg/kg; Oral LD50 (rat): 2.7 mg/kg; Inhalation LC50 (rat): 20 mg/m3/10M; Skin LD50 (rat): 2.56 mg/kg; Oral LD50 (rat): 2.0 mg/m3/10M; Skin LD50 (rat): 2.50 mg/kg; Inhalation LC50 (rat): 20 mg/m3/10M; Skin LD50 (rat): 2.56 mg/kg; Oral LD50 (rat): 2.0 mg/m3/10M; Skin LD50 (rat): 2.56 mg/kg; Oral LD50 (rat): 2.0 mg/m3/10M; Skin LD50 (rat): 2.0 mg/m3/10M; Skin LD50 (rat): 2.0 mg/m3/10M; Skin LD50 (rat): 2.0 mg/kg; Inhalation LC50 (rat): 20 mg/m3/10M; Skin LD50 (rat): 2.0 mg/m3/10M; Skin LD50 (rat): 2.0 mg/kg; Inhalation LC50 (rat): 2.0 mg/m3/10M; Skin LD50 (rat): 2.0 mg/m3/10M; Skin LD50 (rat): 2.0 mg/kg; Inhalation LC50 (rat): 2.0 mg/m3/10M; Skin LD50 (rat): 2.0 mg/m3/10M; Skin LD50 (rat): 2.0 mg/kg; Inhalation LC50 (rat): 2.0 mg/m3/10M; Skin LD50 (rat): 2.0 mg/m3/10M; Skin LD50 (rat): 2.0 mg/m3/10M; Skin RECS for complete information. 12.1 Toxins, Callan, Inha n.a. n.a. n.a.	10.4 Conditions To Avoid:	No data available.						
10.6 Hazardous Decomposition Or Byproducts: No data available. Section 11. Toxicological Information 11.1 Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied. 1.2 Toxin - Toxicity Data: Oral LD50 (rat): 2.7 mg/kg: Inhalation LC50 (rat): 20 mg/m3/10M; Skin LD50 (rat): 2.56 mg/kg: Oral LD50 (mouse): 3.8 mg/kg: Chronic Toxicological Effects: T-2 Toxin - Investigated as a mutagen, reproductive effector, and tumorigen. Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. T-2 Toxin RTECS Number: YD0100000 Hazardous Components (Chemical Name) CAS # NTP IARC ACGIH OSHA 12.1 Toxicity: Acvid refease into the environment. Runoff from fire control or dilution water may cause pollution. 11.1 Toxicity: Acvid refease into the environment. Runoff from fire control or dilution water may cause pollution. 11.1 LAND TRANSPORT (US DOT) Dot Proper Shipping Name Toxins, extracted from living sources, solid, n.o.s (3.alpha48,8.alpha.)-12.13-epoxy-4,15-diroctare 8-(3-methylbutanoate)/trichothec-9-ene-3,4,8.15-tetrol Dot Hazard Class: 6 <th col<="" th=""><th>10.3 Polymerization:</th><th>Will occur [] Will not occur [X]</th><th></th></th>	<th>10.3 Polymerization:</th> <th>Will occur [] Will not occur [X]</th> <th></th>	10.3 Polymerization:	Will occur [] Will not occur [X]					
Byproducts: Section 11. Toxicological Information 11.1 Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied. T-2 Toxin - Toxicity Data: Oral LD50 (rat): 2.7 mg/kg: Inhalation LC50 (rat): 20 mg/m3/10M; Skin LD50 (rat): 2.56 mg/kg: Oral LD50 (mouse): 3.8 mg/kg: Chronic Toxicological Effects: T-2 Toxin - Investigated as a mutagen, reproductive effector, and tumorigen. Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. T-2 Toxin RTECS Number: VD0100000 Hazardous Components (Chemical Name) CAS # NTP IARC ACGIH OSHA 1. T-2 Toxin RTECS Number: VD0100000 1. T-2 Toxin RTECS Number: VD0100000 1. T-2 Toxin NTECS Number: ND010000 1. Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 1.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 1.1 Toxicity: Disposal Considerations 1.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations. 1.1 LAND TRANSPORT (US DOT) DOT Proper Shipping Name G(3.alpha.48.8.alpha.)-12.13-epoxy-4.15-diacetate 8-(3-methylbutanoate)trichothec-9-ene-3.4.8.15-tetrol DOT Hazard Class: 6.1 DOT Hazard Label: POISON UNINA Number: 3462 Packing Group: 1 1.1 LAND TRANSPORT (European ADB/RU) ADR/RID Shipping Name Toxins, extracted from living sources, solid, n.o.s (3.alpha.48.8.alpha.)-12.13-epoxy-4.15-diacetate 8-(3-methylbutanoate)trichothec-9-ene-3.4.8.15-tetrol AdR/RID Shipping Name Toxins, extracted from living sources, solid, n.o.s (3.alpha.48.8.alpha.)-12.13-epoxy-4.15-diacetate 8-(3-methylbutanoate)trichothec-9-ene-3.4.8.15-tetrol ADR/RID Shipping Name Toxins, extracted from living sources, solid, n.o.s (3.alpha.48.8.alpha.)-12.13-epoxy-4.15-diacetate	10.5 Incompatibility - Materials To Avo	No data available.						
Section 11. Toxicological Information 11.1 Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied. T-2 Toxin - Toxicity Data: Oral LD50 (rat): 2.7 mg/kg: Inhalation LC50 (rat): 20 mg/m3/10M; Skin LD50 (rat): 2.56 mg/kg; Oral LD50 (mouse): 3.8 mg/kg; Chronic Toxicological Effects: T-2 Toxin - Investigated as a mutagen, reproductive effector, and tumorigen. Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. T-2 Toxin n TeECS Number: YD0100000 Hazardous Components (Chemical Name) CAS# NTP IARC ACGIH OSHA 1. T-2 Toxin 21259-20:1 n.a. n.a. n.a. n.a. 1.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. Section 13. Disposeal Considerations 13.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations. G.a.pha.48.8.alpha.)-12,13-epoxy-4,15-diacetate 8-(3-methy	10.6 Hazardous Decomposition Or	No data available.						
11.1 Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied. T-2 Toxin - Toxicity Data: Oral LD50 (rat): 2.7 mg/kg; Inhalation LC50 (rat): 20 mg/m3/10M; Skin LD50 (rat): 2.56 mg/kg; Oral LD50 (mouse): 3.8 mg/kg; Chronic Toxicological Effects: T-2 Toxin - Investigated as a mutagen, reproductive effector, and tumorigen. Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. T-2 Toxin RTECS Number: YD0100000 Hazardous Components (Chemical Name) CAS # NTP IARC ACGIH OSHA 1. T-2 Toxin 21259-20:1 n.a. n.a. n.a. n.a. n.a. 1. T-2 Toxin 21259-20:1 n.a. n.a. n.a. n.a. n.a. 1. T-2 Toxin 21259-20:1 n.a. n.a. n.a. n.a. n.a. 1. T-2 Toxin 21259-20:1 n.a. n.a. n.a. n.a. n.a. 1. T-2 Toxin Disposal Consider a regulations. Section 13. Disposal Consider a regulations. Section 14. Transport Information 14.1 LAND TRANSPORT (US DOT) DOT Proper Shipping Name Toxins, extracted from living sources, solid, n.o.s (3.alpha.,)-12.13	Byproducts:							
T-2 Toxin - Toxicity Data: Oral LD50 (rat): 2.7 mg/kg; Inhalation LC50 (rat): 20 mg/m3/10M; Skin LD50 (rat): 2.56 mg/kg; Oral LD50 (mouse): 3.8 mg/kg; Chronic Toxicological Effects: T-2 Toxin - Investigated as a mutagen, reproductive effector, and tumorigen. Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. T-2 Toxin RTECS Number: YD0100000 Hazardous Components (Chemical Name) CAS # NTP IARC ACGIH OSHA 1. T-2 Toxin 21259-20-1 n.a. n.a. n.a. n.a. n.a. 1. T-2 Toxin 21259-20-1 n.a. n.a. n.a. n.a. n.a. 1. T-2 Toxin 21259-20-1 n.a. n.a. n.a. n.a. n.a. 1. T-2 Toxin Section 12. Ecological Information Information Information Information 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. NTE 13.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations. Information 14.1 LAND TRANSPORT (US DOT) DOT Proper Shipping Name Toxins, extracted from living sources, solid, n.o.s (3.alpha.,48.8.alpha.)-12.13-epoxy-4.15-diacetate 8-(3-methylbu	Ś	ction 11. Toxicological Information						
Skin LD50 (rat): 2.56 mg/kg; Oral LD50 (mouse): 3.8 mg/kg; Chronic Toxicological Effects: T-2 Toxin - Investigated as a mutagen, reproductive effector, and tumorigen. Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. T-2 Toxin RTECS Number: YD0100000 Hazardous Components (Chemical Name) CAS # NTP IARC ACGIH OSHA 1. T-2 Toxin 21259-20-1 n.a. n.a. n.a. n.a. Section 12. Ecological Information 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 13.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations. 14.1 LAND TRANSPORT (US DOT) DOT Proper Shipping Name Toxins, extracted from living sources, solid, n.o.s (3.alpha.48,8.alpha.)-12,13-epoxy-4,15-diacetate 8-(3-methylbutanoate)trichothec-9-ene-3,4,8,15-tetrol Josting error DOT Hazard Class: 6.1 ODN June June UNNA Number: 3462 Packing Group: 1 June 14.1 LAND TRANSPORT (European ADR/RID June June June June JOT Hazard Label: POISON June	11.1 Information on Toxicological Effe	The toxicological effects of this product have not been thoroughly studied.						
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1. T-2 Toxin 21259-20-1 n.a. n.a. <th>Hazardous Components (Chemical Name</th> <th></th> <th></th>	Hazardous Components (Chemical Name							
12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 13.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations. 13.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations. 14.1 LAND TRANSPORT (US DOT) DOT Proper Shipping Name Toxins, extracted from living sources, solid, n.o.s (3.alpha,46,8.alpha.)-12,13-epoxy-4,15-diacetate 8-(3-methylbutanoate)trichothec-9-ene-3,4,8,15-tetrol DOT Hazard Class: 6.1 DOT Hazard Label: POISON UN/NA Number: 3462 Packing Group: I 14.1 LAND TRANSPORT (European ADR/RID) ADR/RID Shipping Name Toxins, extracted from living sources, solid, n.o.s (3.alpha,46,8.alpha.)-12,13-epoxy-4,15-diacetate								
12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. Section 13. Disposal Considerations 13.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations. Section 14. Transport Information 14.1 LAND TRANSPORT (US DOT) DOT Proper Shipping Name Toxins, extracted from living sources, solid, n.o.s (3.alpha.,48,8.alpha.)-12,13-epoxy-4,15-diacetate 8-(3-methylbutanoate)trichothec-9-ene-3,4,8,15-tetrol DOT Hazard Class: 6.1 DOT Hazard Label: POISON UN/NA Number: 3462 Packing Group: I 14.1 LAND TRANSPORT (European ADR/RID) ADR/RID Shipping Name Toxins, extracted from living sources, solid, n.o.s (3.alpha.,48,8.alpha.)-12,13-epoxy-4,15-diacetate		ection 12. Ecological Information						
13.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations. Section 14. Transport Information 14.1 LAND TRANSPORT (US DOT) DOT Proper Shipping Name Toxins, extracted from living sources, solid, n.o.s (3.alpha,4&8,8.alpha.)-12,13-epoxy-4,15-diacetate 8-(3-methylbutanoate)trichothec-9-ene-3,4,8,15-tetrol DOT Hazard Class: 6.1 DOT Hazard Label: POISON UN/NA Number: 3462 Packing Group: I 14.1 LAND TRANSPORT (European ADR/RID) ADR/RID Shipping Name Toxins, extracted from living sources, solid, n.o.s (3.alpha,4&8,8.alpha.)-12,13-epoxy-4,15-diacetate	12.1 Toxicity:	Avoid release into the environment.						
Section 14. Transport Information 14.1 LAND TRANSPORT (US DOT) DOT Proper Shipping Name Toxins, extracted from living sources, solid, n.o.s (3.alpha.,48,8.alpha.)-12,13-epoxy-4,15-diacetate 8-(3-methylbutanoate)trichothec-9-ene-3,4,8,15-tetrol DOT Hazard Class: 6.1 DOT Hazard Label: POISON UN/NA Number: 3462 Packing Group: I 14.1 LAND TRANSPORT (European ADR/RIJ ADR/RID Shipping Name Toxins, extracted from living sources, solid, n.o.s (3.alpha.,48,8.alpha.)-12,13-epoxy-4,15-diacetate		ction 13. Disposal Considerations						
14.1 LAND TRANSPORT (US DOT) DOT Proper Shipping Name Toxins, extracted from living sources, solid, n.o.s (3.alpha.,4ß,8.alpha.)-12,13-epoxy-4,15-diacetate 8-(3-methylbutanoate)trichothec-9-ene-3,4,8,15-tetrol DOT Hazard Class: 6.1 DOT Hazard Label: POISON UN/NA Number: 3462 Packing Group: I 14.1 LAND TRANSPORT (European ADR/RID) ADR/RID Shipping Name Toxins, extracted from living sources, solid, n.o.s (3.alpha.,4ß,8.alpha.)-12,13-epoxy-4,15-diacetate	13.1 Waste Disposal Method:	Dispose in accordance with local, state, and federal regulations.						
DOT Proper Shipping NameToxins, extracted from living sources, solid, n.o.s (3.alpha.,4ß,8.alpha.)-12,13-epoxy-4,15-diacetate 8-(3-methylbutanoate)trichothec-9-ene-3,4,8,15-tetrolDOT Hazard Class:6.1DOT Hazard Label:POISONUN/NA Number:3462Packing Group:I14.1 LAND TRANSPORT (European ADR/R/ADR/RID Shipping NameToxins, extracted from living sources, solid, n.o.s (3.alpha.,4ß,8.alpha.)-12,13-epoxy-4,15-diacetate		ection 14. Transport Information						
(3.alpha.,4ß,8.alpha.)-12,13-epoxy-4,15-diacetate 8-(3-methylbutanoate)trichothec-9-ene-3,4,8,15-tetrol DOT Hazard Class: 6.1 DOT Hazard Label: POISON UN/NA Number: 3462 Packing Group: I 14.1 LAND TRANSPORT (European ADR/RIU ADR/RID Shipping Name Toxins, extracted from living sources, solid, n.o.s (3.alpha.,4ß,8.alpha.)-12,13-epoxy-4,15-diacetate	14.1 LAND TRANSPORT (US DOT)							
DOT Hazard Label: POISON UN/NA Number: 3462 Packing Group: I 14.1 LAND TRANSPORT (European ADR/RID ADR/RID Shipping Name Toxins, extracted from living sources, solid, n.o.s (3.alpha.,48,8.alpha.)-12,13-epoxy-4,15-diacetate	DOT Proper Shipping Name	(3.alpha.,4ß,8.alpha.)-12,13-epoxy-4,15-diacetate						
UN/NA Number:3462Packing Group:I14.1LAND TRANSPORT (European ADR/RIJ)ADR/RID Shipping NameToxins, extracted from living sources, solid, n.o.s (3.alpha.,4ß,8.alpha.)-12,13-epoxy-4,15-diacetate	DOT Hazard Class:	6.1						
Packing Group: I 14.1 LAND TRANSPORT (European ADR/RID) ADR/RID Shipping Name Toxins, extracted from living sources, solid, n.o.s (3.alpha.,48,8.alpha.)-12,13-epoxy-4,15-diacetate	DOT Hazard Label:	POISON						
14.1 LAND TRANSPORT (European ADR/RID) ADR/RID Shipping Name Toxins, extracted from living sources, solid, n.o.s (3.alpha.,48,8.alpha.)-12,13-epoxy-4,15-diacetate	UN/NA Number:	3462						
ADR/RID Shipping NameToxins, extracted from living sources, solid, n.o.s (3.alpha.,4ß,8.alpha.)-12,13-epoxy-4,15-diacetate	Packing Group:	Ι						
(3.alpha.,4ß,8.alpha.)-12,13-epoxy-4,15-diacetate	14.1 LAND TRANSPORT (European Al	ID)						
	ADR/RID Shipping Name	(3.alpha.,4ß,8.alpha.)-12,13-epoxy-4,15-diacetate						

Multi-region format



Revision: 09/18/2013

UN Number:	3462
Hazard Class:	6.1 - POISON
Packing Group:	Ι
14.3 AIR TRANSPORT (ICAO/IATA)	
ICAO/IATA Shipping Name	Toxins, extracted from living sources, solid, n.o.s (3.alpha.,48,8.alpha.)-12,13-epoxy-4,15-diacetate 8-(3-methylbutanoate)trichothec-9-ene-3,4,8,15-tetrol
UN Number:	3462
Hazard Class:	6.1 - POISON
Packing Group:	Ι
IATA Classification:	6.1
Additional Transport Information:	Transport in accordance with local, state, and federal regulations. When sold in quantities of less than or equal to 1 mL, or 1 g, with an Excepted Quantity Code of E1, E2, E4, or E5, this item meets the De Minimis Quantities exemption, per IATA 2.6.10. Therefore packaging does not have to be labeled as Dangerous Goods/Excepted Quantity.

Section 15. Regulatory Information

European Community Hazard Symbol codes T+: Very Toxic

European Community Risk and Safety Phrases

R26/27/28 - Very toxic by inhalation, in contact with skin and if swallowed.

- R38 Irritating to skin.
- S22 Do not breathe dust.

S24/25 - Avoid contact with skin and eyes.

- S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
- S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible.)
- S53 Avoid exposure obtain special instructions before use.

US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110	
1. T-2 Toxin	21259-20-1	No	No	No	No	
Other US EPA or State Lists						
Hazardous Components (Chemical Name)	CAS # CAA HAP,ODC CWA NPDES TSCA CA PROP.65					
1. T-2 Toxin	21259-20-1	No	No	No	No	
Regulatory Information Statement: This SDS was prepared in accordance with Regulation (EC) No.1272/2008 and European						
	Directive 67/548/EEC as amended.					

Section 16. Other Information

Revision Date:

09/18/2013

Company Policy or Disclaimer

DISCLAIMER: This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

N.A.=Not available, N.P.=Not applicable, N.D.=Not determined, N.E.=Not established, N.R.=Not required