

BIFENTHRIN UNLABELED 100 UG/ML IN NONANE

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 30/01/2017 Revision date: 04/05/2018 Supersedes: 16/08/2017

Version: 2.1

stance/mixture and of the company/undertaking
: Mixtures
: BIFENTHRIN UNLABELED 100 UG/ML IN NONANE
: ULM-10034-S
tance or mixture and uses advised against
: Professional use
: For professional use only
data sheet
lixture
lo. 1272/2008 [CLP]

Full text of hazard classes and H-statements : see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

H336

H304

R10 Xn; R20 Xn; R65 Xi; R36/37/38 Full text of R-phrases: see section 16

GHS-US classification

STOT SE 3

Asp. Tox. 1

Flam. Liq. 3	H226
Acute Tox. 4 (Inhalation:vapour)	H332
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
STOT SE 3	H336
Asp. Tox. 1	H304

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Central Nervous System. Flammable liquid and vapor. May cause drowsiness or dizziness. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May be fatal if swallowed and enters airways.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

2.2. Label elements



Hazard pictograms (CLP)



Signal word (CLP) Hazard statements (CLP)

Precautionary statements (CLP)

- : Danger
- : H226 Flammable liquid and vapor
- H304 May be fatal if swallowed and enters airways
- H315 Causes skin irritation
- H319 Causes serious eye irritation
- H332 Harmful if inhaled
- H336 May cause drowsiness or dizziness
- : P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
 - P233 Keep container tightly closed
 - P240 Ground/bond container and receiving equipment
 - P241 Use explosion-proof electrical, lighting, ventilating equipment
 - P261 Avoid breathing fume, mist, spray, vapors
 - P264 Wash hands, forearms and face thoroughly after handling
 - P271 Use only outdoors or in a well-ventilated area
 - P280 Wear eye protection, face protection, protective clothing, protective gloves

GHS-US labeling

Hazard pictograms (GHS-US)

Signal word (GHS-US)

Hazard statements (GHS-US)

Precautionary statements (GHS-US)

<	*		(!)	
	GHS02	GHS08	GHS07	

- : Danger
- : H226 Flammable liquid and vapor
- H304 May be fatal if swallowed and enters airways
 - H315 Causes skin irritation
 - H319 Causes serious eye irritation
 - H332 Harmful if inhaled
 - H336 May cause drowsiness or dizziness
- : P210 Keep away from heat, hot surfaces, open flames, sparks. No smoking
 - P233 Keep container tightly closed
 - P240 Ground/Bond container and receiving equipment
- P241 Use explosion-proof electrical, lighting, ventilating equipment
 - P242 Use only non-sparking tools
- P243 Take precautionary measures against static discharge
- P261 Avoid breathing fume, mist, spray, vapors
- P264 Wash hands, forearms and face thoroughly after handling
- P271 Use only outdoors or in a well-ventilated area
- P280 Wear eye protection, face protection, protective clothing, protective gloves
- P301+P310 If swallowed: Immediately call a doctor, a POISON CENTER
- P302+P352 If on skin: Wash with plenty of water

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing

- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P312 Call a doctor, a POISON CENTER if you feel unwell

P321 - Specific treatment (see Hazardous component(s) for labeling on this label)

- P331 Do NOT induce vomiting
- P332+P313 If skin irritation occurs: Get medical advice/attention
- P337+P313 If eye irritation persists: Get medical advice/attention
- P362 Take off contaminated clothing and wash it before reuse
- P370+P378 In case of fire: Use alcohol resistant foam, carbon dioxide (CO2), dry
- extinguishing powder to extinguish
- P403+P233 Store in a well-ventilated place. Keep container tightly closed
- P403+P235 Store in a well-ventilated place. Keep cool P405 - Store locked up

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2.	Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC
N-NONANE UNLABELED	(CAS No) 111-84-2 (EC No) 203-913-4	99.986	R10 Xn; R20 Xn; R65 Xi; R36/38 R67
DIGITOXIN (21,23,23-D3, 96%) CHEMICAL PURITY 95%	(CAS No) 127299-95-0 (EC No) 200-760-5 (Unlabeled) (EC Index No) 614-022-00-9 (Unlabeled)	0.014	T+; R28 T; R23 T; R48/23
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
N-NONANE UNLABELED	(CAS No) 111-84-2 (EC No) 203-913-4	99.986	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H336 Asp. Tox. 1, H304
DIGITOXIN (21,23,23-D3, 96%) CHEMICAL PURITY 95%	(CAS No) 127299-95-0 (EC No) 200-760-5 (Unlabeled) (EC Index No) 614-022-00-9 (Unlabeled)	0.014	Acute Tox. 2 (Oral), H300 Acute Tox. 3 (Inhalation:dust,mist), H331 STOT RE 2, H373
Name	Product identifier	%	GHS-US classification
N-NONANE UNLABELED	(CAS No) 111-84-2	99.986	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H336 Asp. Tox. 1, H304
DIGITOXIN (21,23,23-D3, 96%) CHEMICAL PURITY 95%	(CAS No) 127299-95-0	0.014	Acute Tox. 1 (Oral), H300 Acute Tox. 3 (Inhalation), H331 STOT RE 2, H373

Full text of R- and H- phrases: see section 16

SECTION 4: First aid measures		
4.1. Description of first aid measures		
First-aid measures general	Call a pł	nysician immediately.
First-aid measures after inhalation		person to fresh air and keep comfortable for breathing. Call a poison octor/physician if you feel unwell. Give oxygen or artificial respiration if necessary.
First-aid measures after skin contact		in with water/shower. Remove/Take off immediately all contaminated clothing. If skin occurs: Get medical advice/attention.
First-aid measures after eye contact		utiously with water for several minutes. Remove contact lenses, if present and easy to inue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	Do not i	nduce vomiting. Call a physician immediately.
4.2. Most important symptoms and effe	, both ac	ite and delayed
Symptoms/injuries	May cau	se drowsiness or dizziness.
Symptoms/injuries after inhalation	Harmful	if inhaled. May cause respiratory irritation.
Symptoms/injuries after skin contact	Causes	skin irritation. May be harmful in contact with skin.
Symptoms/injuries after eye contact	Causes	serious eye irritation.
Symptoms/injuries after ingestion	May be	atal if swallowed and enters airways. Risk of lung edema.

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

4.3. Indication of any imme	ediate medical attention and special tre	atment needed		
Treat symptomatically.				
SECTION 5: Firefighting	measures			
5.1. Extinguishing media				
Suitable extinguishing media	: Water spray. Dry powd	er. Foam. Carbon dioxide. Alcohol resistant foam.		
	ig from the substance or mixture			
Fire hazard	: Flammable liquid and v	•		
Reactivity	: vapors may form flamn	iable mixture with air.		
5.3. Advice for firefighters Firefighting instructions		itheut proper protective equipment including requiretery protection		
Protection during firefighting		vithout proper protective equipment, including respiratory protection. action without suitable protective equipment. Self-contained breathing rotective clothing.		
SECTION 6: Accidental re	elease measures			
6.1. Personal precautions,	, protective equipment and emergency	procedures		
6.1.1. For non-emergency pe	ersonnel			
Emergency procedures		ve equipment. Ventilate spillage area. No open flames, no sparks, and athing fume, gas, mist, spray, vapors. Avoid contact with skin and eyes.		
6.1.2. For emergency respon	nders			
Protective equipment		action without suitable protective equipment. For further information osure controls/personal protection".		
6.2. Environmental precau	itions			
Prevent entry to sewers and publi	c waters. Avoid release to the environmer	ıt.		
6.3. Methods and material	for containment and cleaning up			
For containment		Dispose as hazardous waste. Comply with local regulations for disposal.		
Methods for cleaning up	: Take up liquid spill into waters.	 Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. 		
Other information	: Dispose of materials of	: Dispose of materials or solid residues at an authorized site.		
6.4. Reference to other se	ctions			
For further information refer to see	ction 13.			
SECTION 7: Handling and	d storage			
7.1. Precautions for safe h	andling			
Additional hazards when process	Do not breathe gas/fun	kin, eyes, or clothing. Keep away from sources of ignition - No smoking. nes/vapor/spray (appropriate wording to be specified by the ecautionary measures against static discharges.		
Precautions for safe handling	smoking. Ground/bond precautionary measure container. Use explosio outdoors or in a well-ve	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing fume, gas, mist, spray, vapors. Avoid contact with skin and eyes.		
Hygiene measures		: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.		
7.2. Conditions for safe ste	orage, including any incompatibilities			
Technical measures	and receiving equipme	: Store in a well-ventilated place. Keep container tightly closed. Keep dry. Ground/bond containe and receiving equipment.		
Storage conditions	: Store at room tempera	ture away from light and moisture.		
7.3. Specific end use(s)				
No additional information available				
	ntrols/personal protection			
8.1. Control parameters				
BIFENTHRIN UNLABELED 100				
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	200.00000000 ppm USA. ACGIH Threshold Limit Values (TLV)		
Italy Dartygal LICA ACCILI				

Remark (ACGIH)

Italy - Portugal - USA ACGIH

CNS impair

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

BIFENTHRIN UNLABELED 1	00 UG/ML IN NONANE	
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	1050 mg/m ³ USA. NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (TWA) (ppm)	200 ppm USA. NIOSH Recommended Exposure Limits
USA NIOSH	Remark (NIOSH)	Central Nervous System impairment
USA OSHA	OSHA PEL (TWA) (mg/m³)	1050 mg/m ³ USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000
USA OSHA	OSHA PEL (Ceiling) (mg/m ³)	1050 California permissible exposure limits for chemical contaminants.
USA OSHA	OSHA PEL (Ceiling) (ppm)	200 ppm California permissible exposure limits for chemical contaminants.
N-NONANE UNLABELED (11	1-84-2)	
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	200.00000000 ppm USA. ACGIH Threshold Limit Values (TLV)
Italy - Portugal - USA ACGIH	Remark (ACGIH)	CNS impair
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	1050 mg/m ³ USA. NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (TWA) (ppm)	200 ppm USA. NIOSH Recommended Exposure Limits
USA NIOSH	Remark (NIOSH)	Central Nervous System impairment
USA OSHA	OSHA PEL (TWA) (mg/m³)	1050 mg/m ³ USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000
USA OSHA	OSHA PEL (Ceiling) (mg/m³)	1050 California permissible exposure limits for chemical contaminants.
USA OSHA	OSHA PEL (Ceiling) (ppm)	200 ppm California permissible exposure limits for chemical contaminants.

Exposure controls 8.2.

Appropriate engineering controls Personal protective equipment

- : Ensure good ventilation of the work station.
- : Protective clothing. Protective goggles. Gloves. Self-contained breathing apparatus.



Materials for protective clothing : Wear suitable protective clothing and gloves. Hand protection : protective gloves. : Chemical goggles or face shield. Chemical goggles or safety glasses. Eye protection Skin and body protection : Wear suitable protective clothing, gloves and eye/face protection. Where exposure through inhalation may occur from use, respiratory protection equipment is Respiratory protection : recommended. Approved respirator. Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties			
9.1. Information on basic physical and chemical properties			
The properties listed below are for the solvent, the main comp	ponent of this mixture.		
Physical state	: Liquid		
Appearance	: Liquid		
Molecular mass	: 128.3 g/mol		
Color	: Colorless		
Odor	: No data available		
Odor threshold	: No data available		
рН	: No data available		
Relative evaporation rate (butyl acetate=1)	: No data available		

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Melting point	: Not applicable
Freezing point	: -53 °C (- 63 °F) - lit
Boiling point	: 151 °C (304 °F) - lit
Flash point	: 31 °C (87.8 °F) - closed cup
Auto-ignition temperature	: 205 °C (401 °F)
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: 5.69 hPa (4.27 mmHg) at 25 °C (77 °F)
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Specific gravity / density	: 0.718 g/ml at 25 °C (77 °F)
Solubility	: Water: 0.0002 % at 25 °C (77 °F) - slightly soluble
Log Pow	: 5.65
Log Kow	: No data available
Viscosity, kinematic	: 1.008 mm ² /s at 20 °C (68 °F)
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: 0.87 - 2.9 % (V)

9.2. **Other information**

No additional information available

SECTION 10: Stability and reactivity

Reactivity 10.1.

Vapors may form flammable mixture with air.

10.2. **Chemical stability**

See storage and expiration date on CoA.

Possibility of hazardous reactions 10.3.

No dangerous reactions known under normal conditions of use.

10.4. **Conditions to avoid**

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. **Incompatible materials**

No additional information available

10.6. Hazardous decomposition products

Carbon oxides (CO, CO2).

SECTION 11: Toxicological information			
11.1. Information on toxicological effects			
Acute toxicity	: Inhalation:vapour: Harmful if inhaled.		
BIFENTHRIN UNLABELED 100 UG/ML IN NONANE			
LC50 inhalation rat (mg/l)	23760 mg/m ³ male - 4 h		
ATE CLP (gases)	3200.000 ppmV/4h		
ATE CLP (vapors)	11.000 mg/l/4h		
ATE CLP (dust, mist)	23.760 mg/l/4h		
Skin corrosion/irritation, Dermal, rat	Result: Skin Irritation (Draize Test)		
Additional information	: S. Typhimurium Result: negative		
N-NONANE UNLABELED (111-84-2)			
LC50 inhalation rat (mg/l)	23760 mg/m ³ male - 4 h		
ATE CLP (gases)	3200.000 ppmV/4h		
ATE CLP (vapors)	11.000 mg/l/4h		
ATE CLP (dust, mist)	23.760 mg/l/4h		
Skin corrosion/irritation, Dermal, rat	Result: Skin Irritation (Draize Test)		
Additional information	: S. Typhimurium Result: negative		
DIGITOXIN (21,23,23-D3, 96%) CHEMICAL PURITY 95% (127299-95-0)			
LD50 oral rat	23.75 mg/m ³		
ATE CLP (oral)	5.000 mg/kg body weight		
04/06/2018	EN (English US) 6/11		

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

DIGITOXIN (21,23,23-D3, 96%) CHEMICAL PURITY 95% (127299-95-0)		
ATE CLP (dust, mist)	0.500 mg/l/4h	
Skin corrosion/irritation	: Causes skin irritation.	
Serious eye damage/irritation	: Causes serious eye irritation.	
Respiratory or skin sensitization	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Reproductive toxicity	: Not classified	
Specific target organ toxicity – single exposure	: May cause drowsiness or dizziness.	
Specific target organ toxicity – repeated exposure	: Not classified	
BIFENTHRIN UNLABELED 100 UG/ML IN NO	NANE	
NOAEL (oral,rat,90 days)	100 mg/kg bodyweight/day female (OECD Test Guildeline 408)	
N-NONANE UNLABELED (111-84-2)		
NOAEL (oral,rat,90 days)	100 mg/kg bodyweight/day female (OECD Test Guildeline 408)	
Aspiration hazard	: May be fatal if swallowed and enters airways.	
Potential Adverse human health effects and symptoms	: This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.	
Symptoms/injuries after inhalation	: Harmful if inhaled. May cause respiratory irritation.	
Symptoms/injuries after skin contact	: Causes skin irritation. May be harmful in contact with skin.	
Symptoms/injuries after eye contact	: Causes serious eye irritation.	
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways. Risk of lung edema.	

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
BIFENTHRIN UNLABELED 100 UG/ML IN NO	IANE
EC50 Daphnia 1	0.2 mg/l static test EC50 - Daphnia magna (Water flea) - 48 h
N-NONANE UNLABELED (111-84-2)	
EC50 Daphnia 1	0.2 mg/l static test EC50 - Daphnia magna (Water flea) - 48 h
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
BIFENTHRIN UNLABELED 100 UG/ML IN NO	IANE
Log Pow	5.65
Bioaccumulative potential	Indication of bioaccumulation.
N-NONANE UNLABELED (111-84-2)	
Log Pow	5.65
Bioaccumulative potential	Indication of bioaccumulation.
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessmen	t
No additional information available	
12.6. Other adverse effects	
Other adverse effects	: Disposal must be done according to official regulations. Very toxic to aquatic life with long lasting effects.
SECTION 13: Disposal consideration	5
13.1. Waste treatment methods	
Regional legislation (waste)	: Waste materials should be disposed of under conditions which meet Federal, State, and Loca environmental control regulations.
Product/Packaging disposal recommendations:	: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a license professional waste disposal service to dispose of this material.
04/06/2018	EN (English US) 7/-

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Ecology - waste materials	: Dispose of as unused product.
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / A	JDN
14.1. UN number	
UN-No.(DOT)	: 1920
DOT NA no.	UN1920
14.2. UN proper shipping name	
Proper Shipping Name (DOT)	: Nonanes
Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT)	: 3 - Flammable liquid
	FLAMMABLE LIQUID
Packing group (DOT)	: III - Minor Danger
DOT Special Provisions (49 CFR 172.102)	 B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T2 - 1.5 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
Marine pollutant	: No

14.3. Additional information	
Emergency Response Guide (ERG) Number	: 128
Other information	: No supplementary information available.
Overland transport	
Packing group (ADR)	: 111
Class (ADR)	: 3 - Flammable liquid
Hazard identification number (Kemler No.)	: 30
Classification code (ADR)	: F1

:	3 - Flammable lic	quids
	3	
:	30	
	1920	
:	D/E	
	51	
:	3Y	
:	E1	

Hazard labels (ADR)

Tunnel restriction code (ADR)
Limited quantities (ADR)
EAC
Excepted quantities (ADR)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Transport by sea	
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
MFAG-No	: 128
Air transport	
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L
Civil Aeronautics Law	: Flammable liquids
14.4. Environmental hazards	

Other information : No supplementary information available.

Special precautions for user 14.5.

14.6. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information	
15.1. US Federal regulations	
BIFENTHRIN UNLABELED 100 UG/ML IN NON	IANE
Listed on the United States TSCA (Toxic Substar	nces Control Act) inventory
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporing requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporing requirements of the United States SARA Section 313.
N-NONANE UNLABELED (111-84-2)	
Listed on the United States TSCA (Toxic Substan	nces Control Act) inventory
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
DIGITOXIN (21,23,23-D3, 96%) CHEMICAL PU	RITY 95% (127299-95-0)
Listed on the United States SARA Section 302	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.

15.2. International regulations

CANADA
BIFENTHRIN UNLABELED 100 UG/ML IN NONANE
Listed on the Canadian DSL (Domestic Substances List)
N-NONANE UNLABELED (111-84-2)
Listed on the Canadian DSL (Domestic Substances List)
DIGITOXIN (21,23,23-D3, 96%) CHEMICAL PURITY 95% (127299-95-0)
Listed on the Canadian DSL (Domestic Substances List)

15.2.1. National regulations

DIGITOXIN (21,23,23-D3, 96%) CHEMICAL PURITY 95% (127299-95-0)

15.3. US State regulations

BIFENTHRIN UNLABELED 100 UG/ML IN NONANE	
U.S California - Proposition 65 - Carcinogens List	No

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

	ED 100 UG/ML IN NONANE				
U.S California - Proposi Toxicity	ition 65 - Developmental	No			
U.S California - Proposi Toxicity - Female	tion 65 - Reproductive	No			
U.S California - Proposi Toxicity - Male	tion 65 - Reproductive	No			
State or local regulations		U.S Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations U.S New Jersey - Right to Know Hazardous Substance List U.S Massachusetts - Right To Know List U.S Pennsylvania - RTK (Right to Know) List U.S New York - Reporting of Releases Part 597 - List of Hazardous Substances			
N-NONANE UNLABELE	D (111-84-2)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	
No	No	No	No		
DIGITOXIN (21,23,23-D3	, 96%) CHEMICAL PURITY 9	5% (127299-95-0)			
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	
No	No	No	No		
N-NONANE UNLABELE	D (111-84-2)			•	
State or local regulation	IS				
U.S New Jersey - Right U.S Massachusetts - Ri U.S Pennsylvania - RT	to Know Hazardous Substanc		ons		
DIGITOXIN (21,23,23-D3	, 96%) CHEMICAL PURITY 9	5% (127299-95-0)			
State or local regulation		. ,			
U.S Massachusetts - Ri U.S Pennsylvania - RTH U.S New Jersey - Right		e List			

SECTION 16: Other information

Other information

: This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the corresponding unlabeled compound.

Full text of R-, H- and EUH-phrases:

Acute Tox. 2 (Oral)	Acute toxicity (oral) Category 2
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4
Asp. Tox. 1	Aspiration hazard Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 3	Flammable liquids Category 3
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226	Flammable liquid and vapor
H300	Fatal if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H331	Toxic if inhaled
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

H373	May cause damage to organs through prolonged or repeated exposure
R10	Flammable
R20	Harmful by inhalation
R23	Toxic by inhalation
R28	Very toxic if swallowed
R36/37/38	Irritating to eyes, respiratory system and skin
R36/38	Irritating to eyes and skin
R48/23	Toxic: danger of serious damage to health by prolonged exposure through inhalation
R65	Harmful: may cause lung damage if swallowed
R67	Vapors may cause drowsiness and dizziness
Т	Toxic
T+	Very toxic
Xi	Irritant
Xn	Harmful

NFPA health hazard	: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.	
NFPA fire hazard	: 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.	
NFPA reactivity	: 0 - Material that in themselves are normally stable, even under fire conditions.	
HMIS III Rating		
Health	: 2 Moderate Hazard - Temporary or minor injury may occur	
Flammability	: 3 Serious Hazard	
Physical	: 0 Minimal Hazard	

CIL Mixture SDS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product