

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 01/07/2017 Revision date: 11/02/2018 Version: 2.0

### **SECTION 1: Identification**

Identification

Product form : Mixture Product name : TEPERA®PLUS

Synonyms X1699aa

Other means of identification : EPA Reg. No. 66330-431

Relevant identified uses of the substance or mixture and uses advised against

Recommended use : Fungicide

Restrictions on use : No additional information available

#### Details of the supplier of the safety data sheet

Arysta LifeScience North America, LLC 15401 Weston Parkway, Suite 150 Cary, NC 27513 - USA

#### **Emergency telephone number**

Emergency number Exposure calls (PROPHARMA): 1-866-303-6952 or +1-651-603-3432 (international)

Spill calls (CHEMTREC) (Contract # CCN1779): 1-800-424-9300 or +1-703-527-3887

(international)

#### **SECTION 2: Hazards identification**

#### Classification of the substance or mixture

#### **GHS-US** classification

T 1-866-761-9397

H302 Acute Tox. 4 (Oral) Acute Tox. 4 (Inhalation:dust,mist) H332 Eye Irrit. 2B H320 Skin Sens. 1 H317 Carc. 2 H351 STOT RE 1 H372 Aquatic Chronic 2 H411

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

#### 2.2. Label elements

## **GHS-US** labelling

Hazard pictograms (GHS-US)





GHS07

GHS08 GHS09

Signal word (GHS-US) : Danger

H302+H332 - Harmful if swallowed or if inhaled Hazard statements (GHS-US)

H317 - May cause an allergic skin reaction.

H320 - Causes eye irritation

H351 - Suspected of causing cancer.

H372 - Causes damage to organs through prolonged or repeated exposure.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (GHS-US) P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P260 - Do not breathe mist, spray, vapours. P261 - Avoid breathing mist, spray, vapours. P264 - Wash hands thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area.

P272 - Contaminated work clothing must not be allowed out of the workplace

P273 - Avoid release to the environment.

SDS ID: ALS1603003 11/02/2018 EN (English) Page 1

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

P280 - Wear eye protection, protective gloves.

P301+P312 - If swallowed: Call a doctor if you feel unwell

P302+P352 - If on skin: Wash with plenty of water

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.

P308+P313 - If exposed or concerned: Get medical advice/attention.

P312 - Call a doctor if you feel unwell

P314 - Get medical advice/attention if you feel unwell.

P321 - Specific treatment (see First aid measures on this label)

P330 - Rinse mouth.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P363 - Wash contaminated clothing before reuse.

P391 - Collect spillage. P405 - Store locked up.

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

#### 2.4. Unknown acute toxicity (GHS US)

35.83% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

35.83% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

35.83% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

## SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	% (w/w)	GHS-US classification
Fluoxastrobin	(CAS-No.) 361377-29-9	9.67	Acute Tox. 4 (Inhalation:dust,mist), H332 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
bifenthrin (ISO); (2-methylbiphenyl-3-yl)methylrel-(1R,3R)-3- [(1Z)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]-2,2- dimethylcyclopropanecarboxylate	(CAS-No.) 82657-04-3	9.07	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Sens. 1B, H317 Carc. 2, H351 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
sodium methylnaphthalenesulphonate	(CAS-No.) 26264-58-4	2.2 - 2.5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
D-Glucopyranose, oligomeric, C9-11-alkyl glycosides	(CAS-No.) 132778-08-6	1.6 - 2	Eye Dam. 1, H318
2,4,7,9-tetramethyldec-5-yne-4,7-diol	(CAS-No.) 126-86-3	0.15	Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

#### **SECTION 4: First aid measures**

## 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical

advice (show the label where possible).

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a POISON

CENTER/doctor if you feel unwell.

First-aid measures after skin contact : Wash with plenty of water/.... Wash contaminated clothing before reuse. Get medical

advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing. Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Call a POISON CENTER/doctor if you feel unwell.

11/02/2018 EN (English) SDS ID: ALS1603003 2/11

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : Suspected of causing cancer. Causes damage to organs through prolonged or repeated exposure.

Symptoms/effects after inhalation : Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled

Symptoms/effects after skin contact : May cause an allergic skin reaction. May cause slight irritation.

Causes serious eye irritation. Symptoms/effects after eye contact

Symptoms/effects after ingestion Swallowing a small quantity of this material will result in serious health hazard. Harmful if

swallowed

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. This product is a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.

## **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : None known.

#### Special hazards arising from the substance or mixture

Fire hazard : No particular fire or explosion hazard.

Reactivity Thermal decomposition generates: Hydrogen cyanide. Hydrogen chloride. Hydrogen fluoride.

Carbon monoxide. Nitrogen oxides.

#### Advice for firefighters 5.3.

Firefighting instructions : Do not allow run-off from fire fighting to enter drains or water courses.

Protection during firefighting Wear a self contained breathing apparatus. Wear fire/flame resistant/retardant clothing.

### **SECTION 6: Accidental release measures**

#### Personal precautions, protective equipment and emergency procedures

General measures : Avoid all eve and skin contact and do not breathe vapour and mist.

## For non-emergency personnel

Protective equipment : Use personal protective equipment as required. Refer to section 8.2.

: Evacuate unnecessary personnel. **Emergency procedures** 

#### 6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required. Refer to section 8.2.

Ventilate area. Stop leak if safe to do so. **Emergency procedures** 

#### **Environmental precautions**

Avoid release to the environment.

#### Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or

streams.

Methods for cleaning up Absorb and/or contain spill with inert material, then place in suitable container. Clean

contaminated surfaces with an excess of water.

#### Reference to other sections

Section 7: safe handling. Section 8: personal protective equipment.

#### **SECTION 7: Handling and storage**

## Precautions for safe handling

: Use only outdoors or in a well-ventilated area. Avoid contact with skin, eyes and clothing. Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been

read and understood. Do not breathe mist, spray, vapours.

Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with Hygiene measures mild soap and water before eating, drinking or smoking and when leaving work. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

11/02/2018 EN (English) SDS ID: ALS1603003 3/11

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Do not store near food, foodstuffs, drugs, or potable water supplies. Keep container closed

when not in use.

Storage area : Store in a dry place.

#### 7.3. Specific end use(s)

No additional information available

### **SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

TEPERA®PLUS	
ACGIH	Not applicable
OSHA	Not applicable

bifenthrin (ISO); (2-methylbiphenyl-3-yl)methylrel-(1R,3R)-3-[(1Z)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]-2,2-dimethylcyclopropanecarboxylate (82657-04-3)	
ACGIH	Not applicable
OSHA	Not applicable

sodium methylnaphthalenesulphonate (26264-58-4)	
ACGIH	Not applicable
OSHA	Not applicable

D-Glucopyranose, oligomeric, C9-11-alkyl glycosides (132778-08-6)	
ACGIH	Not applicable
OSHA	Not applicable

2,4,7,9-tetramethyldec-5-yne-4,7-diol (126-86-3)	
ACGIH	Not applicable
OSHA	Not applicable

Fluoxastrobin (361377-29-9)	
ACGIH	Not applicable
OSHA	Not applicable

## 8.2. Appropriate engineering controls

Appropriate engineering controls : Use only outdoors or in a well-ventilated area.

### 8.3. Individual protection measures/Personal protective equipment

## Personal protective equipment:

Avoid all unnecessary exposure.

### Hand protection:

Wear suitable gloves resistant to chemical penetration

## Eye protection:

Chemical goggles or safety glasses

#### Skin and body protection:

Long sleeved protective clothing. Foot protection

## Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Wear appropriate mask

## **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

Physical state : Liquid

11/02/2018 EN (English) SDS ID: ALS1603003 4/11

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Colour : Off-white Odour : mild

Odour threshold : No data available pH : 7.79 @ 25 °C

Melting point : No data available Freezing point : No data available Boiling point : No data available

Flash point : > 93 °C

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 : Potassium permanganate: exothermic reation observed.

Vapour pressure : No data available : No data available Relative density Relative vapour density at 20 °C No data available Density : 1.0841 g/ml @ 25 °C Solubility No data available Log Pow : No data available Log Kow : No data available Auto-ignition temperature No data available Decomposition temperature : No data available No data available Viscosity : No data available Viscosity, kinematic Viscosity, dynamic 291 mPa.s @ 25 °C

## 9.2. Other information

No additional information available

### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

Thermal decomposition generates: Hydrogen cyanide. Hydrogen chloride. Hydrogen fluoride. Carbon monoxide. Nitrogen oxides.

#### 10.2. Chemical stability

Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

#### 10.4. Conditions to avoid

Heat.

## 10.5. Incompatible materials

Oxidizing agent.

## 10.6. Hazardous decomposition products

Burning produces irritating, toxic and noxious fumes.

## SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Likely routes of exposure : Inhalation. Skin and eye contact.

Acute toxicity (oral) : Oral: Harmful if swallowed.

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Inhalation:dust,mist: Harmful if inhaled.

TEPERA®PLUS		
LD50 oral rat	1750 mg/kg	
LD50 dermal rat	> 5000 mg/kg	
LC50 inhalation rat (mg/l)	> 2.09 mg/l	

11/02/2018 EN (English) SDS ID: ALS1603003 5/11

Symptoms/effects after eye contact

Symptoms/effects after ingestion

# Safety Data Sheet

TEPERA®PLUS		
ATE US (oral)	1750 mg/kg bodyweight	
ATE US (dust,mist)	4.821 mg/l/4h	
Unknown acute toxicity (GHS US)	35.83% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 35.83% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 35.83% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))	
bifenthrin (ISO); (2-methylbiphenyl-3-yl) dimethylcyclopropanecarboxylate (826)	methylrel-(1R,3R)-3-[(1Z)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]-2,2- 57-04-3)	
LD50 oral rat	74.9 mg/kg	
LD50 dermal rat	> 2000 mg/kg	
LC50 inhalation rat (mg/l)	0.8 mg/l/4h	
ATE US (oral)	74.9 mg/kg bodyweight	
ATE US (vapours)	0.8 mg/l/4h	
ATE US (dust,mist)	0.8 mg/l/4h	
D-Glucopyranose, oligomeric, C9-11-all		
LD50 oral rat	> 5000 mg/kg	
LD50 dermal rabbit	> 5000 mg/kg	
LC50 inhalation rat (mg/l)	> 5 mg/l/4h	
	> 5 mg//Hi	
Fluoxastrobin (361377-29-9)		
LD50 oral rat	> 5000 mg/kg	
LD50 dermal rat	> 5000 mg/kg	
LC50 inhalation rat (mg/l)	4.9 mg/l/4h	
ATE US (vapours)	4.9 mg/l/4h	
ATE US (dust,mist)	4.9 mg/l/4h	
Skin corrosion/irritation	: Not classified (Slightly irritant but not relevant for classification)	
Serious eye damage/irritation	: Causes eye irritation.	
espiratory or skin sensitisation	: May cause an allergic skin reaction.	
Germ cell mutagenicity	: Not classified	
arcinogenicity	: Suspected of causing cancer.	
Reproductive toxicity	: Not classified	
STOT-single exposure	: Not classified	
•		
TOT-repeated exposure	: Causes damage to organs through prolonged or repeated exposure.	
bifenthrin (ISO); (2-methylbiphenyl-3-yl) dimethylcyclopropanecarboxylate (826	methylrel-(1R,3R)-3-[(1Z)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]-2,2- 57-04-3)	
NOAEL (oral, rat, 90 days)	5 mg/kg bodyweight/day	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.	
Fluoxastrobin (361377-29-9)	4. C. may live be advised which does live a settle atte	
NOAEL (oral, rat, 90 days)	1.5 mg/kg bodyweight/day liver effects	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.	
spiration hazard	: Not classified	
iscosity, kinematic	: 268.425 mm²/s	
Symptoms/effects	: Suspected of causing cancer. Causes damage to organs through prolonged or repeated exposure.	
Symptoms/effects after inhalation	: Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled.	
Symptoms/effects after skin contact	: May cause an allergic skin reaction. May cause slight irritation.	

11/02/2018 EN (English) SDS ID: ALS1603003 6/11

: Swallowing a small quantity of this material will result in serious health hazard. Harmful if swallowed.

: Causes serious eye irritation.

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

## **SECTION 12: Ecological information**

#### 12.1. Toxicity

Ecology - water : Toxic to aquatic life with long lasting effects.

2,4,7,9-tetramethyldec-5-yne-4,7-diol (126-86-3)		
LC50 fish 1	42 mg/l 96 hr Cyprinus carpio; OECD Guideline 203	
EC50 Daphnia 1	91 mg/l OECD Guideline 202	
ErC50 (algae)	39 mg/l	
Fluoxastrobin (361377-29-9)		
LC50 fish 1	0.435 mg/l 96 h Oncorhuchus mykiss	
LC50 other aquatic organisms 1	0.053 mg/l 96 h M. bahia	
EC50 Daphnia 1	0.48 mg/l 48 h	
LC50 fish 2	0.57 mg/l 96 h Cyprinus carpio ; 0.97 mg/l 96 h Lepomis macrochirus	

## 12.2. Persistence and degradability

TEPERA®PLUS	
Persistence and degradability	May cause long-term adverse effects in the environment.

Fluoxastrobin (361377-29-9)	
Persistence and degradability	Not rapidly degradable.

#### 12.3. Bioaccumulative potential

Fluoxastrobin (361377-29-9)		
Bioconcentration factor (BCF REACH)	52.1	
Log Pow	2.86 @ 20 °C	
Bioaccumulative potential	Does not biaccumulate significantly.	

## 12.4. Mobility in soil

bifenthrin (ISO); (2-methylbiphenyl-3-yl)methylrel-(1R,3R)-3-[(1Z)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]-2,2-dimethylcyclopropanecarboxylate (82657-04-3)	
Ecology - soil	Immobile in soil.

Fluoxastrobin (361377-29-9)	
Ecology - soil	Slightly mobile in soil.

#### 12.5. Other adverse effects

No additional information available

## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Sewage disposal recommendations : Do not dispose of waste into sewer.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

## **SECTION 14: Transport information**

## **Department of Transportation (DOT)**

In accordance with DOT

Transport document description : UN3082 Environmentally hazardous substances, liquid, n.o.s. (fluoxastrobin, bifenthrin), 9, III

UN-No.(DOT) : UN3082

Proper Shipping Name (DOT) : Environmentally hazardous substances, liquid, n.o.s.

fluoxastrobin, bifenthrin

Transport hazard class(es) (DOT) : 9 - Class 9 - Miscellaneous hazardous material 49 CFR 173.140

Packing group (DOT) : III - Minor Danger

11/02/2018 EN (English) SDS ID: ALS1603003 7/11

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Hazard labels (DOT) : 9 - Class 9 (Miscellaneous dangerous materials)



Dangerous for the environment : Yes

Marine pollutant : Yes



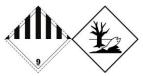
Other information : Non-bulk (<= 119 gallons / 450 Liters) Not Regulated; Bulk (> 119 gallons / 450 Liters)

Regulated as stated.

### Transport by sea

**IMDG** 

Transport hazard class(es) (IMDG) : 9



Marine pollutant : Yes UN-No. (IMDG) : 3082

Transport document description (IMDG) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (fluoxastrobin,

bifenthrin), 9, III, MARINE POLLUTANT

Class (IMDG) : 9 - Miscellaneous dangerous substances and articles

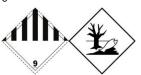
Packing group (IMDG) : III - substances presenting low danger

EmS-No. (Fire) : F-A EmS-No. (Spillage) : S-F

### Air transport

IATA

Transport hazard class(es) (IATA) : 9



Marine pollutant : Yes UN-No. (IATA) : 3082

Transport document description (IATA) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (fluoxastrobin,

bifenthrin), 9, III

Class (IATA) : 9 - Miscellaneous Dangerous Goods

Packing group (IATA) : III - Minor Danger

## **SECTION 15: Regulatory information**

## 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

bifenthrin (ISO); (2-methylbiphenyl-3-yl)methylrel-(1R,3R)-3-	CAS-No. 82657-04-3	9.07%
[(1Z)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]-2,2-		
dimethylcyclopropanecarboxylate		

11/02/2018 EN (English) SDS ID: ALS1603003 8/11

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations			
bifenthrin (ISO); (2-methylbiphenyl-3-yl)methylrel-(1R,3R)-3-[(1Z)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]-2,2-dimethylcyclopropanecarboxylate (82657-04-3)			
EPA TSCA Regulatory Flag	Exempt from TSCA Regulation under FIFRA Section 3 (2)(B)(ii) when used as a pesticide.		
D-Glucopyranose, oligomeric, C9-11-alkyl gly	cosides (132778-08-6)		
EPA TSCA Regulatory Flag	P - P - indicates a commenced Premanufacture Notice (PMN) substance.		
Fluoxastrobin (361377-29-9)			
EPA TSCA Regulatory Flag	Exempt from TSCA Regulation under FIFRA Section 3 (2)(B)(ii) when used as a pesticide.		
FIFRA Labelling			
EPA Registration Number	66330-431		
requirements under federal pesticide law. These	y the United States Environmental Protection Agency and is subject to certain labeling requirements differ from the classification criteria and hazard information required for safety on-pesticide chemicals. The hazard information required on the pesticide label is reproduced portant information, including directions for use		
FIFRA Signal Word	Caution		
FIFRA Human Health Hazards	Harmful if swallowed. Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.		
FIFRA First Aid	Avoid contact with skin, eyes or clothing. Remove and wash contaminated clothing before reuse.		
FIFRA Environmental Hazards	This pesticide is extremely toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. The active ingredient in this product can be persistent for several months or longer. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high-water mark, or other sensitive areas that may be exposed to spray drift. Do not contaminate water when disposing of equipment washwater or rinsate.		
	This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are foraging in the treatment area.		
	The use of bifenthrin is prohibited in areas that may result in exposure of endangered species to bifenthrin.  Prior to use in a particular county contact the local extension service for procedures and precautions to use to protect endangered species.		
FIFRA Physical Hazard	Do not mix or allow coming in contact with oxidizing agents. Hazardous chemical reaction may occur.		

## 15.2. International regulations

#### **CANADA**

bifenthrin (ISO); (2-methylbiphenyl-3-yl)methylrel-(1R,3R)-3-[(1Z)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]-2,2-dimethylcyclopropanecarboxylate (82657-04-3)

Not listed on the Canadian DSL (Domestic Substances List) inventory.

## sodium methylnaphthalenesulphonate (26264-58-4)

Listed on the Canadian DSL (Domestic Substances List) inventory.

### D-Glucopyranose, oligomeric, C9-11-alkyl glycosides (132778-08-6)

Listed on the Canadian DSL (Domestic Substances List) inventory.

## 2,4,7,9-tetramethyldec-5-yne-4,7-diol (126-86-3)

Listed on the Canadian DSL (Domestic Substances List) inventory.

## Fluoxastrobin (361377-29-9)

Not listed on the Canadian DSL (Domestic Substances List) inventory.

## 15.3. US State regulations

TEPERA®PLUS	
State or local regulations	California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm

**MARNING:** 

This product can expose you to Naphthalene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

11/02/2018 EN (English) SDS ID: ALS1603003 9/11

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Component	Carcinogenicity	Developmental toxicity	Reproductive toxicity male	Reproductive toxicity female	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Naphthalene(91-20-3)	X				5.8 μg/day	

Component	State or local regulations
bifenthrin (ISO); (2-methylbiphenyl-3-yl)methylrel- (1R,3R)-3-[(1Z)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]- 2,2-dimethylcyclopropanecarboxylate(82657-04-3)	U.S Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S New Jersey - Right to Know Hazardous Substance List
2,4,7,9-tetramethyldec-5-yne-4,7-diol (126-86-3)	Not included in State Right-to-Know Hazardous Chemicals Lists

# **SECTION 16: Other information**

Revision date : 11/02/2018

ACGIH (American Conference of Government Industrial Hygienists). Canadian Centre for Data sources

Occupational Health and Safety. Accessed at:

http://www.ccohs.ca/oshanswers/legisl/whmis\_classifi.html. European Chemicals Agency (ECHA) C&L Inventory database. Accessed at http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. Manufacturer Information. National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. OSHA 29CFR 1910.1200 Hazard Communication Standard. TSCA Chemical Substance Inventory.

Accessed at http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html.

: None. Other information

Full text of H-statements:

At of 11 statements.	
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Eye Irrit. 2B	Serious eye damage/eye irritation, Category 2B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H320	Causes eye irritation
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

11/02/2018 EN (English) SDS ID: ALS1603003 10/11

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

	ATE: Acute Toxicity Estimate			
		CAS (Chemical Abstracts Service) number		
(		CFR: Code of Federal Regulations		
		EC50: Environmental Concentration associated with a response by 50% of the test population.		
		GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).		
		LD50: Lethal Dose for 50% of the test population		
		OSHA: Occupational Safety & Health Administration		
		STEL: Short Term Exposure Limits		
		TSCA: Toxic Substances Control Act		
		TWA: Time Weighted Average		
NFPA health hazard		: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.		
NFPA fire h	nazard	: 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.		
NFPA react	tivity	: 0 - Normally stable, even under fire exposure conditions, and not reactive with water.		

Indication of changes: General information.

The Redstone Group, LLC. 6077 Frantz Rd SDS Prepared by:

Suite 206

Dublin, Ohio, USA 43016

614.923.7472

www.redstonegrp.com

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

11/02/2018 EN (English) SDS ID: ALS1603003 11/11