

# SAFETY DATA SHEET

(in accordance with Regulation (EU) No 453/2010)

## CINNERATE

Version:  
Revision date: 27/02/2014

Page 1 of 8  
Print date: 08/06/2015

### SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING.

#### 1.1 Product identifier.

Product Name: CINNERATE  
Product Code: 259

#### 1.2 Relevant identified uses of the mixture and uses advised against.

Fungicide

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

Company: **SEIPASA, S.A**  
Address: C/Almudévar, 2  
City: Tardienta  
Province: Huesca  
Telephone: 974253433  
Fax: 974253298  
Web: www.seipasa.com

#### 1.4 Emergency telephone number: (Only available during office hours)

### SECTION 2: HAZARDS IDENTIFICATION.

#### 2.1 Classification of the mixture.

In accordance with Directive 1999/45/EC:

- Xn - Harmful in contact with skin.
- Xi - May cause sensitisation by skin contact.
- Xi - Irritating to eyes and skin.

In accordance with Regulation (EU) No 1272/2008:

- Acute Tox. 4 : Harmful in contact with skin.
- Eye Irrit. 2 : Causes serious eye irritation.
- Skin Irrit. 2 : Causes skin irritation.
- Skin Sens. 1 : May cause an allergic skin reaction.

#### 2.2 Label elements.

##### **Labelling in accordance with Regulation (EU) No 1272/2008:**

##### Pictograms:



Signal Word:

### **Warning**

H statements:

- |      |                                      |
|------|--------------------------------------|
| H312 | Harmful in contact with skin.        |
| H315 | Causes skin irritation.              |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation.       |

P statements:

- |                |  |
|----------------|--|
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.                         |
| P501           | Dispose of contents/container to ...   |
| P302+P352      | IF ON SKIN: Wash with plenty of soap and water.  |
| P332+P313      | If skin irritation occurs: Get medical advice/attention.   |
| P333+P313      | If skin irritation or rash occurs: Get medical advice/attention.                                   |
| P337+P313      | If eye irritation persists: Get medical advice/attention.  |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and |

# SAFETY DATA SHEET

(in accordance with Regulation (EU) No 453/2010)

## CINNERATE

Version:  
Revision date: 27/02/2014

Page 2 of 8  
Print date: 08/06/2015

easy to do. Continue rinsing.

Contains:  
Cinnamomum oil

### 2.3 Other hazards.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

### 3.1 Substances.

Not Applicable.

### 3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Hazardous Substances Directive 67/548/EEC or Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

Identifiers	Name	Concentrate	(*)Classification Regulation (EC) No 1272/2008	(*)Classification Directive 67/548/CEE
CAS No: 143-18-0 EC No: 205-590-5	potassium oleate	20 - 50 %	Eye Irrit. 2, H319	Xi R36
CAS No: 8007-80-5 EC No: 284-635-0	Cinnamomum oil	25 - 75 %	Acute Tox. 4, H312 - Eye Irrit. 2, H319 - Skin Irrit. 2, H315 - Skin Sens. 1, H317	Xn R21 R38 R43

(\*)The complete text of the R and H phrases is given in section 16 of this Safety Data Sheet.

## SECTION 4: FIRST AID MEASURES.

### 4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

#### Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

#### Eye contact.

If wearing contact lenses, remove them. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

#### Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. **NEVER** use solvents or thinners.

#### Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. **NEVER** induce vomiting.

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

Harmful Product, prolonged exposure due to inhalation may cause anaesthetic effects and the need for immediate medical assistance.

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

# SAFETY DATA SHEET

(in accordance with Regulation (EU) No 453/2010)

## CINNERATE

Version:  
Revision date: 27/02/2014

Page 3 of 8  
Print date: 08/06/2015

### SECTION 5: FIREFIGHTING MEASURES.

The product is NOT classified as flammable, in case of fire the following measures should be taken:

#### 5.1 Extinguishing media.

##### Recommended extinguishing methods.

Extinguisher powder or CO<sub>2</sub>. In case of more serious fires, also alcohol-resistant foam and water spray. Do not use a direct stream of water to extinguish.

#### 5.2 Special hazards arising from the mixture.

##### Special risks.

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

#### 5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

##### Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and gloves.

### SECTION 6: ACCIDENTAL RELEASE MEASURES.

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

For exposure control and individual protection measures, see section 8.

#### 6.2 Environmental precautions.

Prevent the contamination of drains, surface or subterranean waters, and the ground.

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

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

#### 6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

### SECTION 7: HANDLING AND STORAGE.

#### 7.1 Precautions for safe handling.

For personal protection, see section 8. Never use pressure to empty the containers. They are not pressure-resistant containers.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Keep the product in containers made of a material identical to the original.

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

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

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

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

# SAFETY DATA SHEET

(in accordance with Regulation (EU) No 453/2010)

## CINNERATE

Version:  
Revision date: 27/02/2014

Page 4 of 8  
Print date: 08/06/2015

### 8.1 Control parameters.

The product does NOT contain substances with Professional Exposure Environmental Limit Values. The product does NOT contain substances with Biological Limit Values.

### 8.2 Exposure controls.

#### Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

<b>Concentration:</b>	<b>100 %</b>		
<b>Uses:</b>			
<b>Breathing protection:</b>			
If the recommended technical measures are observed, no individual protection equipment is necessary.			
<b>Hand protection:</b>			
PPE:	Protective gloves against chemicals.		
Characteristics:	«CE» marking, category III.		
CEN standards:	EN 374-1, EN 374-2, EN 374-3, EN 420		
Maintenance:	Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives.		
Observations:	Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands.		
Material:	PVC (polyvinyl chloride)	Breakthrough time (min.):	> 480
		Material thickness (mm):	0,35
<b>Eye protection:</b>			
PPE:	Protective goggles with built-in frame.		
Characteristics:	«CE» marking, category II. Eye protector with built-in frame for protection against dust, smoke, fog and vapour.		
CEN standards:	EN 165, EN 166, EN 167, EN 168		
Maintenance:	Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions.		
Observations:	Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc.		
<b>Skin protection:</b>			
PPE:	Work footwear.		
Characteristics:	«CE» marking, category II.		
CEN standards:	EN ISO 13287, EN 20347		
Maintenance:	This product adapts to the first user's foot shape. That is why, as well as for hygienic reasons, it should not be used by other people.		
Observations:	Work footwear for professional use includes protection elements aimed at protecting users against any injury resulting from an accident		



## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

### 9.1 Information on basic physical and chemical properties.

Appearance:	Liquid
Colour:	Yellow
Odour:	Product characteristic
Odour threshold:	N.A./N.A.
pH (1%, 20°C):	4,87 ± 0.5
Melting point:	N.A./N.A.
Boiling Point:	N.A./N.A.
Flash point:	N.A./N.A.
Evaporation rate:	N.A./N.A.
Inflammability (solid, gas):	N.A./N.A.
Lower Explosive Limit:	N.A./N.A.
Upper Explosive Limit:	N.A./N.A.
Vapour pressure:	N.A./N.A.
Vapour density:	N.A./N.A.
Relative density (20°C):	1.03 ± 0.05
Solubility:	N.A./N.A.

# SAFETY DATA SHEET

(in accordance with Regulation (EU) No 453/2010)

## CINNERATE

**Version:**  
**Revision date: 27/02/2014**

**Page 5 of 8**  
**Print date: 08/06/2015**

Liposolubility:	N.A./N.A.
Hydrosolubility:	N.A./N.A.
Partition coefficient (n-octanol/water):	N.A./N.A.
Auto-ignition temperature:	N.A./N.A.
Decomposition temperature:	N.A./N.A.
Viscosity:	N.A./N.A.
Explosive properties:	N.A./N.A.
Oxidizing properties:	N.A./N.A.
N.A./N.A.= Not Available/Not Applicable due to the nature of the product	

### 9.2. Other information.

## SECTION 10: STABILITY AND REACTIVITY.

### 10.1 Reactivity.

The product does not present hazards by their reactivity.

### 10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

### 10.3 Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions.

### 10.4 Conditions to avoid.

Avoid any improper handling.

### 10.5 Incompatible materials.

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

### 10.6 Hazardous decomposition products.

No decomposition if used for the intended uses.

## SECTION 11: TOXICOLOGICAL INFORMATION.

### 11.1 Information on toxicological effects.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Splatters in the eyes can cause irritation and reversible damage.

a) acute toxicity;

Product classified:

Acute toxicity (Dermal), Category 4: Harmful in contact with skin.

b) irritation;

Product classified:

Eye irritation, Category 2: Causes serious eye irritation.

Skin irritant, Category 2: Causes skin irritation.

c) corrosivity;

Not conclusive data for classification.

d) sensitisation;

Product classified:

Skin sensitizer, Category 1: May cause an allergic skin reaction.

e) repeated dose toxicity;

Not conclusive data for classification.

f) carcinogenicity;

Not conclusive data for classification.

g) mutagenicity;

Not conclusive data for classification.

# SAFETY DATA SHEET

(in accordance with Regulation (EU) No 453/2010)

## CINNERATE

**Version:**  
**Revision date: 27/02/2014**

**Page 6 of 8**  
**Print date: 08/06/2015**

h) toxicity for reproduction;  
Not conclusive data for classification.

### SECTION 12: ECOLOGICAL INFORMATION.

#### 12.1 Toxicity.

No information is available regarding the ecotoxicity of the substances present.

#### 12.2 Persistence and degradability.

No information is available about persistence and degradability of the product.

#### 12.3 Bioaccumulative potential.

No information is available regarding the bioaccumulation of the substances present.

#### 12.4 Mobility in soil.

No information is available about the mobility in soil.  
The product must not be allowed to go into sewers or waterways.  
Prevent penetration into the ground.

#### 12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

#### 12.6 Other adverse effects.

No information is available about other adverse effects for the environment.

### SECTION 13 DISPOSAL CONSIDERATIONS.

#### 13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.  
Follow the provisions of Directive 2008/98/EC regarding waste management.

### SECTION 14: TRANSPORT INFORMATION.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

#### 14.1 UN number.

Transportation is not dangerous.

#### 14.2 UN proper shipping name.

Transportation is not dangerous.

#### 14.3 Transport hazard class(es).

Transportation is not dangerous.

#### 14.4 Packing group.

Transportation is not dangerous.

#### 14.5 Environmental hazards.

Transportation is not dangerous.

#### 14.6 Special precautions for user.

Transportation is not dangerous.

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

Transportation is not dangerous.

### SECTION 15: REGULATORY INFORMATION.

# SAFETY DATA SHEET

(in accordance with Regulation (EU) No 453/2010)

## CINNERATE

Version:  
Revision date: 27/02/2014

Page 7 of 8  
Print date: 08/06/2015

### 15.1 Safety, health and environmental regulations/legislation specific for the mixture.

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

See annex I of the Directive 96/82/EC of 9 December 1996 on the control of major-accident hazards involving dangerous substances and the Regulation (EC) No 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals and its subsequent updates. The product is not affected by Directive 2012/18/EU (SEVESO III).

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

### 15.2 Chemical safety assessment.

There has been no evaluation a chemical safety assessment of the product.

### 15.3 Labelling information

This chemical is a pesticide product identified as Minimum Risk Pesticide (25b) by different States of the United States of America and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheet (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

Hazard to Humans and domestic animals

Avoid contact with eyes, skin and clothing.

User should wash its hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Remove clothing immediately if the product gets inside. Wash thoroughly and put on clean clothing.

Remove PPE after handling this product. Wash the outside of the gloves before removing.

The application of CINNERATE does not modify odor or taste of the commodities. Crops can be consumed without a security period of time after application.

## SECTION 16: OTHER INFORMATION.

Complete text of the R phrases that appear in section 3:

R21	Harmful in contact with skin.
R36	Irritating to eyes.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.

Complete text of the H phrases that appear in section 3:

H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

### Labelling in accordance with Directive 1999/45/EC:

Symbols:



R Phrases:

R21	Harmful in contact with skin.
R43	May cause sensitisation by skin contact.

# SAFETY DATA SHEET

(in accordance with Regulation (EU) No 453/2010)

## CINNERATE

**Version:**  
**Revision date: 27/02/2014**

**Page 8 of 8**  
**Print date: 08/06/2015**

R36/38 Irritating to eyes and skin.

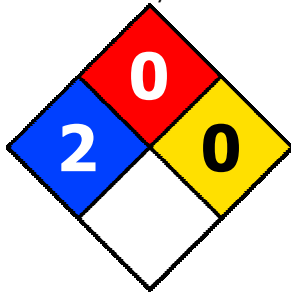
**S Phrases:**

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S60 This material and its container must be disposed of as hazardous waste.  
S36/37 Wear suitable protective clothing and gloves.

**Contains:**

Cinnamomum oil

Risk classification system NFPA 704:



Health hazard: 2 (Hazardous)

Flammability: 0 (Will not burn)

Reactivity: 0 (Stable)

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.