

## MATERIAL SAFETY DATA SHEET

According to Reg. EC) 2015/830

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

#### 1.1 Product identifier

Product name: TUTATEC

Product code: CS0002

Registry number: -

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

**Relevant identified uses:** It is used appropriately disposed in Solanaceae crops to control the tomato leafminer *Tuta absoluta* by matting disruption.

**Uses advised against:** Not applicable.

#### 1.3 Supplier data

Company name: **SEDQ**  
SOCIEDAD ESPAÑOLA DE DESARROLLOS QUÍMICOS, S. L.

Address: Diagonal 352 entlo., 08013 Barcelona, España

Telephone number: +34 93 458 40 00

E-mail: info@sedq.es

#### 1.4 Emergency telephone

telephone: +34 93 719 04 71 (in office hours)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Product Classification

Classification according to Regulation (EC) No 1272/2008

H315, H412

#### 2.2 Label elements

Labelling according to Regulation (EC) n° 1272/2008.

Pictogram:



Signal word: Warning

Hazard statements:

H315 Causes skin irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P102 Keep out of reach of children

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves.

P501 Dispose of contents/container to hazardous or special waste collection point.

Supplemental Hazard information (EU):

EUH401 To avoid risks to human and the environment, comply with the instructions for use.

### 2.3 Other hazards

No data available

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Mixtures

Description: Hermetically closed dispensers containing *Tuta absoluta*'s sex pheromone.

Component	CAS No	EC No	REACH registration No.	Content (% w/w)	Classification Reg. (EC) 1272/2008
(E,Z,Z)-3,8,11-tetradecatrien-1-yl acetate + (E,Z)-3,8-tetradecadien-1-yl acetate; 85% purity)	163041-94-9 + 163041-87-0	682-695-6 + 682-690-9	-	Max. 16.44	Skin Irrit. 2, H315 Aq. Chronic 3, H412

## SECTION 4: FIRST-AID MEASURES

#### 4.1 Description of first-aid measures

General information:	In normal conditions of use one may not expect risks for the health. If medical advice is needed, have product container, label or this safety data sheet at hand.
Skin contact:	Remove the contaminated clothes and wash the affected skin with water and soap and rinse with a lot of water.
Eye contact:	Wash the eyes immediately with a lot of water for 15 minutes at least, maintaining the eyes opened.
Ingestion:	Do not induce vomiting. Rinse your mouth with water. Keep calm. Get medical advice.
Inhalation:	In the event of fire, take the victim in the open air. If a fast recovery is not produced, look for medical attention.
Self-protection of the first aider:	Not relevant.

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

The most important known symptoms and effects are described in the labelling (see section 2.2).

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

Symptomatic treatment.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

Suitable extinguishing media: CO<sub>2</sub>, foam, water spray.

Unsuitable extinguishing media: -

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

Hazardous combustion products: Toxic and irritating fumes may be released. In complete combustion, carbon dioxide and water are formed. In case of incomplete combustion, carbon monoxide, soot, aldehydes, ketones, hydrocarbons and volatile fatty acids may be formed.

#### 5.3 Advice for fire-fighters

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Protection against fire:    Wear self-contained breathing apparatus and protective clothing.

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## SECTION 6:    ACCIDENTAL RELEASE MEASURES

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

Use personal protective equipment.

Avoid contact with the spilled products or contaminated surfaces.

Do not eat, drink or smoke while cleaning the spill.

### 6.2    Environmental precautions

Prevent further leakage or spillage if safe to do so.

Avoid sending the product to the sewerage.

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

Collect the product with shovel and introduce it in adequate containers for its management as waste.

### 6.4    Reference to other sections

For disposal see section 13.

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## SECTION 7:    HANDLING AND STORAGE

### 7.1    Precautions for safe handling

Applicators must wear protective gloves when handling dispensers.

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

Hold the product in the original packaging without opening in a fresh place at a temperature of not more than -18 °C till a maximum of 2 years.

Keep separate from food, drink and feed.

### 7.3    Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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## SECTION 8:    EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1    Control parameters

TUTATEC contains no substances with occupational exposure limit values.

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice.  
Wash hands well with soap and water after handling and before eating, drinking, smoking, going to the bathroom or applying cosmetics.

### 8.2.2 Personal protection equipment

Eye protection:	Not required.
Hand protection:	Chemical resistant gloves. PVC or nitrile rubber.
Respiratory protection:	Not required.
Environmental exposure controls:	Prevent further leakage or spillage if safe to do so.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state at 20° C:	Solid
Colour:	No data available
Odour:	Characteristic
Odour threshold:	No data available
pH	No data available
Melting point / freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	Not flammable
Upper/lower flammability or explosive limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	No data available
Solubility (ies):	No data available
Solubility in water:	Insoluble
Partition coefficient n-octanol/water:	No data available
Auto-ignition temperature	No data available

Decomposition temperature:	> 300 °C
Viscosity:	Not applicable
Explosive properties:	Not explosive
Oxidising properties:	Not oxidizing agents

## 9.2 Other information

No data available.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

At T> 300 °C thermal decomposition occurs.

Resistant to water and dilute acids and bases. Absorbs chlorinated hydrocarbons and their derivatives.

### 10.2 Chemical stability

Stable under recommended conditions of use and storage.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

Extreme temperatures.

### 10.5 Incompatible materials

Oxidizing agents, particularly at high temperatures.

### 10.6 Hazardous decomposition products

At temperatures above 300 ° C decomposes in toxic and irritating fumes:

- CO<sub>2</sub> and water, in complete combustion.
- CO, soot, aldehydes, ketones, hydrocarbons and volatile fatty acids in case of incomplete combustion

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Toxicological effects associated to (E,Z,Z)-3,8,11-tetradecatrien-1-yl acetate + (E,Z)-3,8-tetradecadien-1-yl acetate

- Acute toxicity:

Oral (rat)	LD <sub>50</sub> :	> 5000 mg/kg bw
Dermal (rat)	LD <sub>50</sub> :	> 2000 mg/kg bw
Inhalation (rat)	LC <sub>50</sub> :	> 5 mg/l
  - Skin corrosion/irritation:

Irritating to the skin
  - Serious eye damage/irritation:

No eye irritation
  - Respiratory or skin sensitisation:

Non-sensitizer
  - Germ cell mutagenicity:

No genotoxic potential.
  - Carcinogenicity:

No carcinogenic potential.
  - Reproductive toxicity:

No toxic effects are known to reproduction.
  - Specific target organ toxicity – single exposure:

No data available
  - Specific target organ toxicity – repeated exposure:

No data available
  - Aspiration hazard:

No data available
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## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

No data available.

### 12.2 Persistence and degradability

Support material is not biodegradable.

### 12.3 Bioaccumulative potential

No data available.

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

No data available.

**12.6 Other adverse effects**

No data available.

**12.7 Additional information**

No data available.

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**SECTION 13: DISPOSAL CONSIDERATION**

**13.1 Waste treatment methods**

Product disposal:

Deliver the used or expired diffusers to a manager of waste for their adequate treatment.

Packaging disposal:

Deliver the empty packaging to a manager of waste for their adequate treatment.

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**SECTION 14: TRANSPORT INFORMATION**

**14.1 UN number**

ADR/RID: Not regulated

IATA: Not regulated

IMDG: Not regulated

**14.2 UN proper shipping name**

ADR/RID: Not regulated

IATA: Not regulated

IMDG: Not regulated

**14.3 Transport hazard class(es)**

ADR/RID: Not regulated

IATA: Not regulated

IMDG: Not regulated

**14.4 Packaging group**



ADR/RID: Not regulated

IATA: Not regulated

IMDG: Not regulated

#### 14.5 Environmental hazards

ADR/RID: No

IATA: No

IMDG: Marine Pollutant: No

#### 14.6 Special precautions for user

No data available.

#### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

The product is not transported in bulk.

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### SECTION 15: REGULATORY INFORMATION

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

No data available.

#### 15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out for this product.

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### SECTION 16: OTHER INFORMATION

#### 16.1 Indication of changes

Application Reg. (UE) 2015/830

Sections 1, 16.

#### 16.2 Abbreviations and acronyms

Full text of Hazard statements mentioned in Section 3

H315 Causes skin irritation.

H412 Harmful to aquatic life with long lasting effects.

Skin Irrit. 2, H315 Skin corrosion/irritation – category 2.

Aq. Chronic 3, H412 Aquatic toxicity category (Chronic)3.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road
N° CAS	Registration number for chemicals n Chemical Abstracts Service
N° EU	Number used for chemical substances on the market within the EU (in EINECS: European Inventory of Existing Chemical Substances)
ECx	X% effective concentration
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG	International Maritime Dangerous Goods Code
LCx	Lethal concentration x%
LDx	Lethal dose x%
MARPOL	International Convention for the Prevention of Pollution from Ships
N.O.S	Not otherwise specified
OECD	Organisation for Economic Co-operation and Development
UE	European Union

**16.3 Key literature references and sources data**

- " Guidance on the compilation of safety data sheets " (<http://echa.europa.eu>)
- Reg. (UE) 2015/830
- Reg. (UE) 1907/2006
- Reg. (UE) 1272/2008
- GESTIS data base ([http://limitvalue.ifa.dguv.de/Webform\\_gw.aspx](http://limitvalue.ifa.dguv.de/Webform_gw.aspx))

**16.4 Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]**

Classification	Procedure
H315, H412	Minimum classification

The data and information provided in the safety data sheet are based on the literature and / or the documentation collected. It is designed only as a guide for safety in use, handling and transportation. The product should not be used for other purposes, unless specified. It is always the responsibility of the user. The information contained in this safety data sheet describes only the safety requirements and should not be considered as a guarantee of its properties.

