

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: CERATIPACK®
Product code(s): TM0002
Registry number: ES: ES-00042
FR: AMM 2130114
IT: 15755
PT: 0662

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

Relevant identified uses: Insecticide. It may be used for monitoring or mass trapping by Attract & Kill technology of *Ceratitis capitata* and *Ceratitis spp.*

Uses advised against: Not applicable.

1.3 Details of the supplier of the safety data sheet

Company name: SEDQ
SOCIEDAD ESPAÑOLA DE DESARROLLOS QUÍMICOS, S. L.
Address: Diagonal 352 entlo., 08013 Barcelona, Spain
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 Classification of the substance and mixture

Classification according to Regulation (EC) No 1272/2008

H410

2.2 Label elements

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



Pictogram:

Signal word: **Warning**

Hazard statements:

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

- ES: P273 Avoid release to the environment.
P391 Collect spillage.
P501 Dispose of contents/container to hazardous or special waste collection point.
- FR: P273 Avoid release to the environment.
P280 Wear protective gloves.
P501 Dispose of contents/container to hazardous or special waste collection point.
- IT: P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P273 Avoid release to the environment.
P262 Do not get in eyes, on skin, or on clothing.
P391 Collect spillage.
P501 Dispose of contents/container to hazardous or special waste collection point.
- PT: P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
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



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3.1 Mixtures

Description: Plastic container with vents, PP/PET lid impregnated with insecticide on its inner surface (TOPPROTECT) and, inside the device, *Ceratitis* attractants (CERATIPROTECT). Formulation type (XX)

Component	CAS No	EC No	REACH registration No.	Content (% w/w)	Classification Reg. (EC) 1272/2008
Support material	-	-	-	Max. 83.63	-
Ammonium acetate	631-61-8	211-162-9	05-2114564238-43-0000-LE 224377-44	Max. 15.30	-
Trimethylamine hydrochloride	593-81-7	209-810-0	01-2119492299-22-0004	Max. 0.98	Skin Irrit. 2, H315 Eye Irrit. 2, H319
1,5-diaminopentane	462-94-2	207-329-0	-	Max. 0.06	Skin Irrit. 1, H314
Deltamethrin	52918-63-5	258-256-6	-	Max. 0.03	Acute Tox. 3, H331 Acute Tox. 3, H301 Aq. Acute 1, H400 Aq. Chronic 1, H410

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

Symptoms:

- Local: In case of skin contact: paresthesia (local), possibility of irritation on skin and mucous membranes.
- Systemic: Excitement, gastrointestinal disturbance, tremor, dizziness, headache, decadence, nausea and vomiting, epigastric pain, muscle fasciculation members, unconsciousness, convulsions and coma (at very high doses).

4.3 Indication of any immediate medical attention and special treatment needed

Risks: This preparation contains a pyrethroid. It **MUSN'T** be confused with organophosphorus compounds.

Treatment:

- Local treatment: Initial treatment should be symptomatic and fortifying.
In case of eye contact: instilling drops of a local anaesthetic, for example Tetracaine drops of 1%. If necessary, administer painkillers.
- Systemic treatment: It must implement tracheal intubation and make a gastric lavage, followed by administration of activated charcoal.
Controlling cardiac and respiratory functions.
Electrocardiogram control.
In case of inhalation control the existence of pulmonary oedema.

	Keeping free airways. If necessary provide artificial respiration.
Against convulsions:	Diazepam: 5-10 mg for adults, kids 2-5 mg intravenously. Repeat if necessary until all sedation.
Antidote:	There is no antidote.
Contraindications:	Atropine and derivative from adrenalin.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: CO₂, foam, water spray.

Unsuitable extinguishing media: Large volume of water.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: At T> 300 °C thermal decomposition leads to the formation of toxic products such as carbon monoxide, ammonia and amino derivatives.

At T> 500 °C toxic products such as carbon oxides and hydrogen cyanide (traces) may be formed.

5.3 Advice for fire-fighters

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

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.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Applicators must wear protective gloves when handling traps.

7.2 Conditions for safe storage, including any incompatibilities

Hold the product in the original packaging without opening in a fresh and dry place at room temperature (25 °C) and protected from sunlight 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.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

CERATIPACK® 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: Suitable gloves.

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 (20° C):	Solid
Colour:	Yellow trap with transparent lid
Odour:	Fish in decomposition process
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):	No data available
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:	LogPow = 4.6 (deltamethrin) at 25°C
Auto-ignition temperature:	No data available
Decomposition temperature:	> 300°C
Viscosity:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available

9.1 Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

At T> 300°C thermal decomposition occurs.

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 and direct sunlight.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

At high temperatures the product decomposes in toxic and irritating fumes:

- T> 300 °C: carbon monoxide, ammonia and amino derivatives.
- T> 500 °C: carbon oxides and hydrogen cyanide (traces).

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Toxicological effects associated to deltamethrin**

- Acute toxicity:
 - Oral (rat) LD₅₀: 87 mg/kg
 - Dermal (rabbit) LD₅₀: > 2000 mg/kg
 - Inhalation (rat) LC₅₀: 0.6 mg/l Exposure time: 6 h
- Skin corrosion/irritation:
 - No skin irritation (rabbit)
- Serious eye damage/irritation:
 - No eye irritation (rabbit)

- Respiratory or skin sensitisation:
Non-sensitizing (guinea pig)
OECD Test Guideline 406, Magnusson & Kligman test
- Germ cell mutagenicity:
Deltamethrin was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.
In vitro and in vivo mutagenicity tests do not indicate genotoxic activity.
- Carcinogenicity:
Deltamethrin was not carcinogenic in lifetime feeding studies in rats and mice nor showed carcinogenic effects in animal experiments.
- Reproductive toxicity:
No data available.
- Specific target organ toxicity – single exposure:
No data available
- Specific target organ toxicity – repeated exposure:
No data available
- Aspiration hazard:
No data available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Effect on the environment/ecotoxicity related to Deltamethrin:

Fish (Rainbow trout)	LC ₅₀ (96 h)	0.91 µg/l
Daphnia (Daphnia magna)	EC ₅₀ (48 h)	0.56 µg/l
Algae	EC ₅₀ (72 h)	> 9.1 mg/l

12.2 Persistence and degradability

Support material is not biodegradable.

12.3 Bioaccumulative potential

Deltamethrin:

Lepomis macrochirus (Bluegill sunfish)

Bioconcentration factor (BCF): 1400

Partition coefficient n-octanol/water (LogPow): 4.6 (25°C)

12.4 Mobility in soil

Deltamethrin in soil is degraded within 1-2 weeks.

In sediments of water, it accumulates or is consumed by plants.

There is not known phytotoxicity in crops.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

Harmful to aquatic life. No data available.

12.7 Additional information

No data available.

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.

Code of Federal Regulations (CFR): 020108 Agrochemical waste containing hazardous substances.

SECTION 14: TRANSPORT INFORMATION

According to the 335 note of the section 3.3.1 of the ADR 2015, to the A158 note of the section 4.4 of the ICAO2009/2010 and to the SP335 note of the section 3.3 of the Annex 8 (Resolution MSC262(84) of 16 May 2008) from IMDG Code, the product CERATIPACK®, because of the type of packaging and the solid dangerous for the environment content, is not submitted to the arrangements of the ADR.

14.1 UN number

ADR/RID:

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: 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.

SECTION 15: REGULATORY INFORMATION

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

WHO Classification: II (Moderately hazardous)

15.2 Chemical Safety Assessment

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

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

H301	Toxic if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Skin Irrit. 2, Skin Corrosion/ Irritation, category 2

Eye Irrit. 2, Eye Irritation, , category 2

Skin Irrit. 1, Skin Corrosion/ Irritation, category 1

Acute Tox. 3, Acute toxicity-category 3

Aq. Acute 1, Aquatic toxicity category (Acute)1

Aq. Chronic 1, Aquatic toxicity category (Chronic)1

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

- WHO specifications and evaluations for public health pesticides (Deltamethrin) November 2012
- " Guidance on the compilation of safety data sheets " (<http://echa.europa.eu>)
- WHO specifications and evaluations for public health pesticides (Deltaméthrine) November 2012
- Reg. (UE) 2015/830
- Reg. (UE) 1907/2006
- Reg. (UE) 1272/2008
- GESTIS data base (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
H410	Bridging principle "Concentration of highly hazardous mixtures".

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.