

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING.**1.1 Product identifier.**

Product Name: TOP-TRAP XL
Product Code: TM0036_IL
Registration number: 4598/7552

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

It is used as a dispenser/trap, conveniently located in crops, for the monitoring and/or control of different types of pests. Insecticide.

Uses advised against:

Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company: **SEDQ Healthy Crops, S.L.**
Address: C/ Llull 41
City: 8005 - Barcelona
Province: Barcelona
Telephone: +34 93 719 04 71
E-mail: info@sedq.es
Web: www.sedq.es

1.4 Emergency telephone number: +34 93 719 04 71 (Only available during office hours; Monday-Friday; 08:00-16:30)

SECTION 2: HAZARDS IDENTIFICATION.**2.1 Classification of the substance or mixture.**

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

Aquatic Acute 1 : Very toxic to aquatic life.
Aquatic Chronic 1 : Very toxic to aquatic life with long lasting effects.

2.2 Label elements.**Labelling in accordance with Regulation (EU) No 1272/2008:**

Pictograms:



Signal Word:

Warning

Hazard statements:

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H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P273 Avoid release to the environment.
P391 Collect spillage.
P501 Dispose of contents/container to hazardous or special waste collection point.

EUH statements:

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

Contains:

(S)- α -cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate, deltamethrin (ISO)

2.3 Other hazards.

The mixture does not contain substances classified as PBT.
The mixture does not contain substances classified as vPvB.
The mixture does not contain any endocrine disrupting properties substances.

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 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	Specifics concentration limits and Acute toxicity estimate
Index No: 607-319-00-X CAS No: 52918-63-5 EC No: 258-256-6	(S)- α -cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate, deltamethrin (ISO)	0.000025 - 2.5 %	Aquatic Chronic 1, H410 (M=1000000)	-

(*)The complete text of the 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.

In the event of fire, take the victim in the open air. If a fast recovery is not produced, look for medical attention.

Eye contact.

Wash the eyes immediately with a lot of water for 15 minutes at least, maintaining the eyes opened.

Skin contact.

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

Ingestion.

Do not induce vomiting. Rinse your mouth with water. Keep calm. Get medical advice.

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.

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

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.

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

5.1 Extinguishing media.**Suitable extinguishing media:**

Extinguisher powder or CO2. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

5.2 Special hazards arising from the substance or mixture.**Special risks.**

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. Product residues and extinguishing media may contaminate the aquatic environment.

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 boots.

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.

Product dangerous for the environment, in case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to local legislation. Prevent the contamination of drains, surface or subterranean waters, and the ground.

6.3 Methods and material for containment and cleaning up.

Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant.

Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations (see section 13).

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.

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

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. 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 20 and 25 °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-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

*Storage and transport: at room temperature a maximum of 2 years

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

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.**

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.

Concentration:	100 %		
Uses:	It is used as a dispenser/trap, conveniently located in crops, for the monitoring and/or control of different types of pests. Insecticide.		
Breathing protection:			
If the recommended technical measures are observed, no individual protection equipment is necessary.			
Hand protection:			
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:	Nitrile	Breakthrough time (min.):	Material thickness (mm):
Eye protection:			
If the product is handled correctly, no individual protection equipment is necessary.			
Skin protection:			
PPE:	Protective clothing.		
Characteristics:	«CE» marking, category II. Protective clothing should not be too tight or loose in order not to obstruct the user's movements.		
CEN standards:	EN 340		
Maintenance:	In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.		
Observations:	The protective clothing should offer a level of comfort in line with the level of protection provided in terms of the hazard against which it protects, bearing in mind environmental conditions, the user's level of activity and the expected time of use.		



**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.****9.1 Information on basic physical and chemical properties.**

Physical state: Solid

Colour: yellow

Odour: Fish in decomposition process

Odour threshold: Not applicable/Not available due to the nature/properties of the product

Melting point: Not applicable/Not available due to the nature/properties of the product

Freezing point: Not applicable/Not available due to the nature/properties of the product

Boiling point or initial boiling point and boiling range: Not applicable/Not available due to the nature/properties of the product/

Flammability: Not applicable/Not available due to the nature/properties of the product

Lower explosion limit: Not applicable/Not available due to the nature/properties of the product

Upper explosion limit: Not applicable/Not available due to the nature/properties of the product

Flash point: Not applicable/Not available due to the nature/properties of the product

Auto-ignition temperature: >300 °C

Decomposition temperature: Not applicable/Not available due to the nature/properties of the product

pH: Not applicable (Substance/mixture is non-soluble (in water)).

Kinematic viscosity: Not applicable/Not available due to the nature/properties of the product

Solubility: Not applicable/Not available due to the nature/properties of the product

Hydrosolubility: Not applicable

Liposolubility: Not applicable/Not available due to the nature/properties of the product

Partition coefficient n-octanol/water (log value): Deltamethrin: log Pow: 4,6 / 25°C

Vapour pressure: Not applicable/Not available due to the nature/properties of the product
 Absolute density: Not applicable/Not available due to the nature/properties of the product
 Relative density: Not applicable/Not available due to the nature/properties of the product
 Relative vapour density: Not applicable/Not available due to the nature/properties of the product
 Particle characteristics: Not applicable/Not available due to the nature/properties of the product

9.2 Other information

Viscosity: Not applicable/Not available due to the nature/properties of the product
 Explosive properties: Not applicable/Not available due to the nature/properties of the product
 Oxidizing properties: Not applicable/Not available due to the nature/properties of the product
 Dropping point: Not applicable/Not available due to the nature/properties of the product
 Blink: Not applicable/Not available due to the nature/properties of the product

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.

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

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 hazard classes as defined in Regulation (EC) N° 1272/2008.

Toxicological information about the substances present in the composition.

Name	Acute toxicity			
	Type	Test	Kind	Value
(S)-α-cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate, deltamethrin (ISO)	Oral	LD50	rat	87 mg-/Kg [1]
		[1] Deltamethrin value		
	Dermal	LD50	rabbit	>2000 mg/Kg [1]
CAS No: 52918-63-5 EC No: 258-256-6		[1] Deltamethrin value, No skin irritation (Rabbit)		
	Inhalation	LC50	rat	0.6 mg/l (6h) [1]
		[1] Deltamethrin value		

a) acute toxicity;

Not conclusive data for classification.

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Acute Toxicity Estimate (ATE):

Mixtures:

ATE (Oral) = 1.481 mg/kg

b) skin corrosion/irritation;
No skin irritation (rabbit).

c) serious eye damage/irritation;
No eye irritation (rabbit)

d) respiratory or skin sensitisation;
Non-sensitizing (guinea pig)
OECD Test Guideline 406, Magnusson & Kligman test

e) 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.

f) carcinogenicity;
Deltamethrin was not carcinogenic in lifetime feeding studies in rats and mice nor showed carcinogenic effects in animal experiments.

g) reproductive toxicity;
Not conclusive data for classification.

h) STOT-single exposure;
Not conclusive data for classification.

i) STOT-repeated exposure;
Not conclusive data for classification.

j) aspiration hazard;
Not conclusive data for classification.

11.2 Information on other hazards.

Endocrine disrupting properties

This product does not contain components with endocrine-disrupting properties with effects on human health.

Other information

There is no information available on other adverse health effects.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

Name	Ecotoxicity			
	Type	Test	Kind	Value
(S)- α -cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate, deltamethrin (ISO) CAS No: 52918-63-5 EC No: 258-256-6	Fish	LC50	Oncorhynchus mykiss (Rainbow trout)	0.15 μ g/l (96h) [1]
		[1] Deltamethrin value		
	Aquatic invertebrates	EC50	Daphnia magna	0.0131 μ g/l (48h) [1]
		[1] Deltamethrin value		
	Aquatic plants	EC50	Algae	9.1 mg/l (96) [1]
		[1] Deltamethrin value		

12.2 Persistence and degradability.

No information is available regarding the biodegradability of the substances present.
No information is available on the degradability of the substances present.
No information is available about persistence and degradability of the product.

12.3 Bioaccumulative potential.

Information about the bioaccumulation of the substances present.

Name	Bioaccumulation			
	Log Pow	BCF	NOECs	Level
(S)- α -cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate, deltamethrin (ISO) CAS No: 52918-63-5 EC No: 258-256-6	4,6	1.400	-	High

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 Endocrine disrupting properties.

This product doesn't contain components with environmental endocrine disrupting properties.

12.7 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.

Exemption: According to the 335 note of the section 3.3.1 of the ADR, 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, this product, because of the type of packaging and the solid dangerous for the environment content, is not submitted to the arrangements of the ADR.

Note 335: Mixtures of solids which are not subject to the requirements of ADR and environmentally hazardous liquids or solids shall be classified as UN 3077 and may be carried under this entry provided there is no free liquid visible at the time the substance is loaded or at the time the packaging or vehicle, wagon or container is closed. Each vehicle, wagon or container shall be leak-proof when used for carriage in bulk. If free liquid is visible at the time the mixture is loaded or at the time the packaging or vehicle, wagon or container is closed, the mixture shall be classified as UN 3082. Sealed packets and articles containing less than 10 ml of an environmentally hazardous liquid, absorbed into a solid material but with no free liquid in the packet or article, or containing less than 10 g of an environmentally hazardous solid, are not subject to the requirements of ADR.

Transport following ADR rules for road transport, RID rules for railway, ADN for inner waterways, IMDG for sea, and ICAO/IATA for air transport.

Land: Transport by road: ADR, Transport by rail: RID.

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Transport documentation: Consignment note and written instructions

Sea: Transport by ship: IMDG.

Transport documentation: Bill of lading

Air: Transport by plane: ICAO/IATA.

Transport document: Airway bill.

14.1 UN number or ID number.

UN No: UN3077

14.2 UN proper shipping name.

Description:

ADR/RID: UN 3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS (S)-A-CYANO-3-PHENOXYBENZYL (1R, 3R)-3-(2,2-DIBROMOVINYL)-2,2-DIMETHYLCYCLOPROPANECARBOXYLATE, DELTAMETHRIN (ISO)), 9, PG III, (-)

IMDG: UN 3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS (S)-A-CYANO-3-PHENOXYBENZYL (1R, 3R)-3-(2,2-DIBROMOVINYL)-2,2-DIMETHYLCYCLOPROPANECARBOXYLATE, DELTAMETHRIN (ISO)), 9, PG III, MARINE POLLUTANT

ICAO/IATA: UN 3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS (S)-A-CYANO-3-PHENOXYBENZYL (1R, 3R)-3-(2,2-DIBROMOVINYL)-2,2-DIMETHYLCYCLOPROPANECARBOXYLATE, DELTAMETHRIN (ISO)), 9, PG III

14.3 Transport hazard class(es).

Class(es): 9

14.4 Packing group.

Packing group: III

14.5 Environmental hazards.

Marine pollutant: Yes



Dangerous for the environment

Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): F-A,S-F

14.6 Special precautions for user.

Labels: 9



Hazard number: 90

ADR LQ: 5 kg

IMDG LQ: 5 kg

ICAO LQ: 30 kg B

Provisions concerning carriage in bulk ADR:

VC1 Carriage in bulk in sheeted vehicles, sheeted containers or sheeted bulk containers is permitted.

VC2 Carriage in bulk in closed vehicles, closed containers or closed bulk containers is permitted.

Proceed in accordance with point 6.

14.7 Maritime transport in bulk according to IMO instruments.

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.**

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.

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.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION.

Classification codes:

Acute Tox. 3 : Acute toxicity (Inhalation), Category 3

Acute Tox. 3 : Acute toxicity (Oral), Category 3

Aquatic Acute 1 : Acute toxicity to the aquatic environment, Category 1

Aquatic Chronic 1 : Chronic effect to the aquatic environment, Category 1

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

Physical hazards On basis of test data

Health hazards Calculation method

Environmental hazards Calculation method

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

Abbreviations and acronyms used:

ADR: Agreement concerning the International Carriage of Dangerous Goods by Road.

BCF: Bioconcentration factor.

CEN: European Committee for Standardization.

EC50: Half maximal effective concentration.

PPE: Personal protection equipment.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.

IMDG: International Maritime Code for Dangerous Goods.

LC50: Lethal concentration, 50%.

LD50: Lethal dose, 50%.

NOEC: No observed effect concentration.

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

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Regulation (EU) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

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.