

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 and Regulation (EC) No. 453/2010



KILTER 280 SC

Version 1.0

Revision Date 26.07.2016

Print Date 26.07.2016

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : KILTER 280 SC

Substance name : CA3189

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

Use of the Substance/Mixture : Insecticide

1.3 Details of the supplier of the safety data sheet

Company : Nufarm S.A.S
28 boulevard Zéphirin Camélinat
92230 Gennevilliers
Telephone : +330140855050
Telefax : +330147922545
E-mail address : FDS@fr.nufarm.com
Responsible/issuing person

1.4 Emergency telephone number

Nufarm S.A.S. : +33 1 40 85 51 15
National emergency telephone number : not available

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4	H302: Harmful if swallowed.
Acute toxicity, Category 4	H332: Harmful if inhaled.
Skin corrosion/irritation, Category 2	H315: Causes skin irritation.
Serious eye damage/eye irritation, Category 1	H318: Causes serious eye damage.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Acute aquatic toxicity, Category 1	H400: Very toxic to aquatic life.
Chronic aquatic toxicity, Category 1	H410: Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

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Hazard statements	:	H302 H332 H315 H318 H317 H410	Harmful if swallowed. Harmful if inhaled. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. Very toxic to aquatic life with long lasting effects.
Precautionary statements	:	P102 Prevention: P270 P280 P281 Response: P305 + P351 + P338 P310 P302 + P352 P362 Disposal: P501	Keep out of reach of children. Do not eat, drink or smoke when using this product. Wear protective gloves/ protective clothing/ eye protection/ face protection. Use personal protective equipment as required. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. Dispose of contents / container in accordance with local / national regulations

Additional Labelling:

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

2.3 Other hazards

A Chemical Safety Assessment is not required for this mixture.

This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

This substance is not considered to be very persistent and very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Suspension concentrate (SC)

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Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Imidacloprid	138261-41-3	Acute Tox. 4; H302 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	14,5 W/W (160g/L)
Lambda-cyhalothrin	91465-08-6 415-130-7	Acute Tox. 2; H330 Acute Tox. 3; H301 Acute Tox. 4; H312 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	10,87 W/W (120g/L)
Propylene glycol,	57-55-6 200-338-0 01- 2119456809- 23	Not concerned	8 W/W (88,3g/L)

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- If inhaled : Move to fresh air.
- In case of skin contact : Take off all contaminated clothing immediately.
Wash immediately affected parts with plenty of water and soap.
- In case of eye contact : Rinse immediately with plenty of water for at least 15 minutes.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water.
Do NOT induce vomiting.
If swallowed, seek medical advice immediately and show this container or label.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Symptomatic treatment

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water spray, Dry powder, Foam, Carbon dioxide (CO₂)

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : Combustion products may include but are not limited to: Hydrogen chloride. Carbon monoxide. Carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters : Use personal protective equipment. In the event of fire, wear self-contained breathing apparatus.

Further information : Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Refer to protective measures listed in section 8.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, universal binder ...).
Pick up and transfer to properly labelled containers.

Never return spills in original containers for re-use.

6.4 Reference to other sections

For personal protection see section 8.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Advice on safe handling : Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8.
- Hygiene measures : Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Keep out of reach of children. Store in original container. Keep in a well-ventilated place.
- Advice on common storage : Keep away from food, drink and animal feeding stuffs.

7.3 Specific end use(s)

- Specific use(s) : none

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
Propylene glycol,	57-55-6	TWA	150 ppm 474 mg/m3	2007-08-01	GB EH40
Further information	:	2: Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used			

8.2 Exposure controls

Personal protective equipment

Eye protection : Safety glasses

Hand protection

Material : Nitrile gloves

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Skin and body protection : Long sleeved clothing

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : Suspension concentrate (SC), liquid

Colour : white

Odour : mild

Odour Threshold : No data available

pH : 5,29, at 25 °C

6,7 - 7, Concentration: 10,00 g/l

Melting point/range : No data available

Boiling point/boiling range : No data available

Flash point : Not applicable

Evaporation rate : Not applicable

Flammability : Does not sustain combustibility

Lower explosion limit : No data available

Upper explosion limit : No data available

Vapour pressure : No data available

Relative vapour density : Not applicable

Relative density : No data available

Density : 1,103 - 1,106 g/cm³

Bulk density : No data available

Water solubility : dispersible

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Ignition temperature : No data available

Thermal decomposition : Hazardous decomposition products formed under fire

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	conditions.
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: Not explosive
Oxidizing properties	: No data available

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : Excessive heat.
Exposure to moisture

10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

Acids

Bases

10.6 Hazardous decomposition products

Hazardous decomposition products : No data available
Other information : No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product

Acute oral toxicity : LD50 Rat: > 310 mg/kg

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Acute inhalation toxicity	: LC50 Rat: > 2 mg/l Exposure time: 4 h
Acute dermal toxicity	: LD50 Rat: > 5.000 mg/kg
Skin corrosion/irritation	: Species: Rabbit Result: Irritating to skin.
Serious eye damage/eye irritation	: Species: Rabbit Result: Eye irritation
Respiratory or skin sensitisation	: Species: Mouse Result: Causes sensitisation.
Genotoxicity in vitro	: No data available
Carcinogenicity	: No data available
STOT - single exposure	: No data available
STOT - repeated exposure	: No data available

Components:

Imidacloprid :

Acute oral toxicity	: LD50 Rat: ca. 500 mg/kg Method: OECD Test Guideline 401
	LD50 Mouse: 131 mg/kg
Acute inhalation toxicity	: LC50 Rat: > 5,33 mg/l Exposure time: 4 h Method: OECD Test Guideline 403
Acute dermal toxicity	: LD50 Rat: > 5.000 mg/kg Method: OECD Test Guideline 402
Skin corrosion/irritation	: Species: Rabbit Result: No skin irritation Method: OECD Test Guideline 404
Serious eye damage/eye irritation	: Species: Rabbit Result: No eye irritation Method: OECD Test Guideline 405

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Respiratory or skin sensitisation	:	Result: Did not cause sensitization. Method: OECD Test Guideline 406
Carcinogenicity	:	Not carcinogenic
Reproductive toxicity	:	Species: Rat NOAEL: 20 mg/kg
Teratogenicity	:	Species: Rat 30 mg/kg Species: Rabbit 8 mg/kg
Further information	:	Mutagenicity Based on available data, the classification criteria are not met.
Propylene glycol, : Acute inhalation toxicity	:	LC50 Rabbit: 317 mg/l Exposure time: 2 h

SECTION 12: Ecological information

12.1 Toxicity

Components:

Imidacloprid :

Toxicity to fish	:	LC50 (Cyprinodon variegatus (sheepshead minnow)): 161 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 LC50 (Oncorhynchus mykiss (rainbow trout)): 211 mg/l Exposure time: 96 h LC50 (Lepomis macrochirus (Bluegill sunfish)): > 105 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 85 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae	:	EbC50 (Scenedesmus subspicatus): 10 mg/l

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- Exposure time: 72 h
Method: OECD Test Guideline 201
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : LC50: 0,0552 mg/l
Exposure time: 24 h
Species: Chironomus riparius (harlequin fly)
- Toxicity to terrestrial organisms : LD50: 0,0037 µg/bee, oral
Species: Apis mellifera (bees)
- LD50: 0,081 µg/bee, contact
Species: Apis mellifera (bees)
- Lambda-cyhalothrin :**
Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0,00024 mg/l
Exposure time: 96 h
- LC50 (Lepomis macrochirus (Bluegill sunfish)): 0,00021 mg/l
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,00036 mg/l
Exposure time: 48 h
- Toxicity to terrestrial organisms : 38 µg/bee, oral
Species: Bee
- Propylene glycol, :**
Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 40.613 mg/l
Exposure time: 96 h
Test Method: static test
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : LC50 (Ceriodaphnia dubia): 18.340 mg/l
Exposure time: 48 h
Test Method: static test
Method: OECD Test Guideline 202
- Toxicity to algae : ErC50 (Pseudokirchneriella subcapitata (green algae)): 19.000 mg/l
Exposure time: 96 h
Test Method: Growth inhibition
Method: OECD Test Guideline 201
- Toxicity to bacteria : NOEC (Bacteria): > 20.000 mg/l
Exposure time: 18 h
Test Method: Toxicity to bacteria
- Toxicity to daphnia and other aquatic invertebrates : NOEC: 13.020 mg/l
Exposure time: 7 d

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(Chronic toxicity)

Species: Ceriodaphnia dubia

12.2 Persistence and degradability

Product:

Biodegradability : No data available

Physico-chemical
removability : No data available

Components:

Imidacloprid :

Biodegradability : Not readily biodegradable

Stability in soil : DT50
Duration of dissipation:: 106 - 193 d

Propylene glycol, :

Biodegradability : anaerobic
Result: Readily biodegradable
Biodegradation: 81 %
Exposure time: 28 d
Method: OECD Test Guideline 301F

anaerobic
Result: Readily biodegradable
Biodegradation: 96 %
Exposure time: 64 d
Method: OECD Test Guideline 306

12.3 Bioaccumulative potential

Product:

Bioaccumulation : No data available

Partition coefficient: n-
octanol/water : No data available

Components:

Imidacloprid :

Bioaccumulation : No bioaccumulation.

Partition coefficient: n-
octanol/water : log Pow: 0,57

Propylene glycol, :

Bioaccumulation : Bioconcentration factor (BCF): 0,09
No bioaccumulation is to be expected (log Pow <= 4).

Partition coefficient: n-
octanol/water : log Pow: -1,07

12.4 Mobility in soil

Product:

Mobility : No data available

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Components:

Propylene glycol, :

Distribution among environmental compartments : Adsorption/Soil
Medium: Soil
Koc: < 1

12.5 Results of PBT and vPvB assessment

Product:

Assessment : A Chemical Safety Assessment is not required for this mixture.

: This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

: This substance is not considered to be very persistent and very bioaccumulating (vPvB).

Components:

Propylene glycol, :

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

This substance is not considered to be very persistent and very bioaccumulating (vPvB).

12.6 Other adverse effects

Product:

Additional ecological information : No other known adverse effects on the environment

Components:

Propylene glycol, :

Additional ecological information : This substance is not in Annex 1 of EU regulation (EC) No 1005/2009 on substances that deplete the ozone layer.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Do not empty into drains.
Dispose of in accordance with local regulations.

Contaminated packaging : Do not re-use empty containers.
Dispose of empty packages through the specific collection services.

SECTION 14: Transport information

14.1 UN number

ADR : 3082
IMDG : 3082

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IATA : 3082

14.2 Proper shipping name

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S. (Imidacloprid, Lambda-cyhalothrin)

IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S.

IATA : ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S.

14.3 Transport hazard class

ADR : 9

IMDG : 9

IATA : 9

14.4 Packing group

ADR

Hazard Identification Number : 90

Labels : 9

Tunnel restriction code : (E)

IMDG

Packaging group : III

Labels : 9

EmS Number : F-A,S-F

IATA

Packaging group : III

Labels : 9

14.5 Environmental hazards

ADR

Environmentally hazardous : yes

IMDG

Marine pollutant : yes

IATA

Environmentally hazardous : yes

14.6 Special precautions for user

For personal protection see section 8.

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

Remarks : Not applicable

SECTION 15: Regulatory information

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

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15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this mixture.

SECTION 16: Other information

	Product unclassified
Acute Tox.	Acute toxicity
Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
Not concerned	Not concerned

Full text of H-Statements

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Further information

Other information : Alterations are indicated in the left hand margin by: II
This version replaces all previous versions.

Please note the convention used in this document for decimal points and commas for numerical values is as demonstrated by the example: 2,000 is two (to 3 decimal places) and not two thousand, whilst 1.000 is one thousand and not 1 (to 3 decimal places)

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.