

SAFETY DATA SHEET

CREDO SC Insecticide PMRA Reg. No. 33014

Version 1.0

Revision Date 03/28/2018

122000007168
Print Date 03/28/2018



1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Product Name: CREDO SC Insecticide
SDS Number: 122000007168

Use : Pesticide

Company

Bayer Inc.
2920 Matheson Boulevard East
Mississauga, ON L4W 5R6
CANADA
(800) 622-2937

In case of emergency: Chemtrec: (800) 424-9300
CANUTEC: (613) 996-6666

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to national GHS implementation:

Acute toxicity, Oral, Category 4 (H302)

Label elements

Labelling according to national GHS implementation:



Warning

Hazard statements:

H302 Harmful if swallowed.

Precautionary statements:

Prevention:

P264 Wash skin thoroughly after handling.

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

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

Components:	CAS-No.
-------------	---------

SAFETY DATA SHEET



CREDO SC Insecticide

Version 1.0

Revision Date 03/28/2018

122000007168
Print Date 03/28/2018

Imidacloprid 138261-41-3

Other hazards

Other hazards which do not result in classification:
None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture.

Hazardous components

Imidacloprid

Concentration [Weight percent] 43.67

CAS-No.: 138261-41-3

CAS name: 2-Imidazolidinimine, 1-((6-chloro-3-pyridinyl)methyl)-N-nitro

GHS Classification:



Acute Tox. 4 H302

M-Factor: 1,000

Polyoxyethylene(25)tristyrylphenol

Concentration [Weight percent] 1.5

CAS-No.: 99734-09-5

GHS Classification:



Eye Irrit. 2 H319

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

4. FIRST AID MEASURES

Description of first aid measures

General advice: Take off all contaminated clothing immediately.

If inhaled: Remove to fresh air. Call a physician immediately.

In case of skin contact: After contact with skin, wash immediately with plenty of soap and water. If skin reactions occur, contact a physician.

In case of eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed: If swallowed, seek medical advice immediately and show this container or label.

Most important acute symptoms/effects

Symptoms: No information available.

Risks: No information available.

SAFETY DATA SHEET



CREDO SC Insecticide

Version 1.0

Revision Date 03/28/2018

122000007168
Print Date 03/28/2018

Indication of any immediate medical attention and special treatment needed

No information available.

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: High volume water jet

Special hazards arising from the substance or mixture

Specific hazards during firefighting: Fire may cause evolution of: Carbon monoxide (CO) Carbon dioxide (CO₂)

Further information: Prevent fire extinguishing water from contaminating surface water or the ground water system.

Advice for firefighters

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

Environmental precautions

Methods and materials for containment and cleaning up

Methods for cleaning up: Cover spilled product with liquid-binding material (sand, silica gel, acid binder, universal binder, hybilat). Take up mechanically and fill into labeled, closable containers.

Reference to other sections

7. HANDLING AND STORAGE

Precautions for safe handling

Handling:

Store in area specific for pesticides. Avoid contact with skin, eyes and clothing.

No special protective measures against fire required.

Conditions for safe storage, including any incompatibilities

Specific end use(s)

**CREDO SC Insecticide**

Version 1.0

Revision Date 03/28/2018

122000007168
Print Date 03/28/2018**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Imidacloprid	138261-41-3	SUP	0.7 mg/m ³	
Glycerol	56-81-5	TWA (Mist)	10 mg/m ³	CA AB OEL
		TWA (Mist)	10 mg/m ³	CA BC OEL
		TWA (Respirable mist)	3 mg/m ³	CA BC OEL
		TWAEV (Mist)	10 mg/m ³	CA QC OEL
Propane-1,2-diol	57-55-6	TWA (Vapour and aerosols)	50 ppm 155 mg/m ³	CA ON OEL
		TWA (aerosol)	10 mg/m ³	CA ON OEL

Personal protective equipment

- Respiratory protection : Recommended Filter type:
Organic vapor with prefilter

None required for consumer use of this product.
- Hand protection
Material : Chemically resistant gloves.
- Remarks : None required for consumer use of this product.
- Eye protection : Safety glasses
None required for consumer use of this product.
- Protective measures : Wear suitable protective equipment.
Please consult label for end-user requirements.

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

- Form: liquid
 Colour: brown
 Odour: weak
 Melting point/range: No statements available.
 Boiling point/boiling range: No statements available.
 Density: 1.297 g/cm³ at 20 °C

SAFETY DATA SHEET



CREDO SC Insecticide

Version 1.0

Revision Date 03/28/2018

122000007168
Print Date 03/28/2018

Bulk density:	Not applicable
Vapour pressure:	No statements available.
Viscosity, dynamic:	No statements available.
Viscosity, kinematic:	No statements available.
Flow time:	No statements available.
Surface tension:	No statements available.
Water solubility:	No statements available.
Solubility(ies):	No statements available.
pH:	6.5 - 8.5
Corrosive to metal:	No statements available.
Partition coefficient (n-octanol/water):	Imidacloprid log Pow: 0.57 at 21 °C
Flash point:	> 100 °C
Inflammability (solid, gaseous):	Not applicable
Explosion limits:	No statements available.

OECD 107

Other information

Miscibility with water: No statements available.

10. STABILITY AND REACTIVITY

Reactivity

No statements available.

Reactions with water / air:

No statements available.

Ignition temperature:

No statements available.

Burning number:

Imidacloprid

5 at 20 °C Method: VDI 3673 Burning with flames or flying sparks.

fire spread velocity > 45 s/10 cm (EEC Method A.10)

Chemical stability

No statements available.

Thermal decomposition:

No data available

Dust explosion characteristic number:

Not applicable

Dust explosion class:

Not applicable

Impact sensitivity:

No data available

Hazardous reactions:

SAFETY DATA SHEET



CREDO SC Insecticide

Version 1.0

Revision Date 03/28/2018

122000007168
Print Date 03/28/2018

No data available

Explosive properties:

No statements available.

Possibility of hazardous reactions

deflagration ability:

No statements available.

Smoldering combustion:

No statements available.

Conditions to avoid

No data available

Minimum ignition energy:

No data available

Oxidizing properties:

No statements available.

Incompatible materials

Materials to avoid:

Oxidizing agents

Hazardous decomposition products

Carbon monoxide (CO), Carbon dioxide (CO₂)

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate (ATE): 970.92 mg/kg
Method: Calculation method
Assessment: Harmful if swallowed.
Remarks: Calculated for GHS Classification and Labelling.

Acute toxicity estimate (ATE): 970.92 mg/kg
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate (ATE): > 10 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist/aerosol
Method: Calculation method

Components:

Imidacloprid:

Acute oral toxicity : LD50 (Rat): 424 mg/kg
Assessment: The component/mixture is toxic after single ingestion.

**CREDO SC Insecticide**

Version 1.0

Revision Date 03/28/2018

122000007168
Print Date 03/28/2018

- Acute inhalation toxicity : LC50 (Rat): > 5.323 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist/aerosol
Method: OECD 403
Assessment: The component/mixture is minimally toxic after short term inhalation.
- Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg
Assessment: No adverse effect has been observed in acute toxicity tests.

Skin corrosion/irritation**Components:****Imidacloprid:**

Species: Rabbit

Result: No skin irritation

Serious eye damage/eye irritation**Components:****Imidacloprid:**

Species: Rabbit

Result: No eye irritation

Respiratory or skin sensitisation**Components:****Imidacloprid:**

Test Type: Skin sensitization

Species: Guinea pig

Method: Magnusson and Kligmann maximization test

Result: Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity**Components:****Imidacloprid:**Genotoxicity in vitro : Test Type: Ames test
Result: negative

: Remarks: In vitro tests did not show mutagenic effects

Genotoxicity in vivo : Result: No indication of mutagenic effects., No evidence of a genotoxic effect.

**CREDO SC Insecticide**

Version 1.0

Revision Date 03/28/2018

122000007168
Print Date 03/28/2018**STOT - repeated exposure****Components:****Imidacloprid:**

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:****Imidacloprid:**

- Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 237 mg/l
Exposure time: 96 h
Test Type: Acute Fish toxicity
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 85 mg/l
Exposure time: 48 h
- Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l
Exposure time: 72 h
- EC50 (Desmodesmus subspicatus (green algae)): > 10 mg/l
Exposure time: 72 h
- M-Factor (Acute aquatic toxicity) : 1,000
- Toxicity to bacteria : EC50 (activated sludge micro-organism): > 10,000 mg/l
Method: OECD 209

Ecotoxicology Assessment

- Acute aquatic toxicity : Very toxic to aquatic life.
- Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Persistence and degradability**Components:****Imidacloprid:**

- Stability in water : Degradation half life: > 1 a (25 °C) pH: 4
Hydrolysis: at 25 °C
- Degradation half life: > 1 a (25 °C) pH: 7
Hydrolysis: at 25 °C
- Degradation half life: ca. 1 h (25 °C) pH: 9

SAFETY DATA SHEET



CREDO SC Insecticide

Version 1.0

Revision Date 03/28/2018

122000007168
Print Date 03/28/2018

Hydrolysis: at 25 °C

Bioaccumulative potential

Components:

Imidacloprid:

Bioaccumulation : Remarks: Low potential for bioaccumulation

Partition coefficient: n-octanol/water : log Pow: 0.57 (21 °C)
Method: OECD 107

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information : Do not allow to enter surface waters or groundwater.

Components:

Imidacloprid:

Adsorbed organic bound halogens (AOX) : Remarks: The product contains organic halogens.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

14. TRANSPORT INFORMATION

US Land transport (CFR)
non-regulated

Sea transport (IMDG)

UN Number

Description of the goods

3082

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(IMIDACLOPRID)

SAFETY DATA SHEET



CREDO SC Insecticide

Version 1.0

Revision Date 03/28/2018

122000007168
Print Date 03/28/2018

Class	9
Packaging group	III
IMDG-Labels	9
EmS Number	F-A
Marine pollutant	yes

Air transport (IATA)

UN Number	3082
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (IMIDACLOPRID)

Class	9
Packaging group	III
Dangerous goods labels	9
Environmentally hazardous	yes

Land transport TDG
non-regulated

15. REGULATORY INFORMATION

The components of this product are reported in the following inventories:

- : This product is excluded from TSCA Regulation under FIFRA Section 3 (2)(B)(ii) when used as a pesticide.
- DSL : This product contains the following components that are not on the Canadian DSL nor NDSL.

Imidacloprid

Canadian lists

No substances are subject to a Significant New Activity Notification.

16. OTHER INFORMATION

Full text of H-Statements mentioned in chapters 2 and 3

- H302 Harmful if swallowed.
- H319 Causes serious eye irritation.

Further information

Revision Date : 03/28/2018

SAFETY DATA SHEET



CREDO SC Insecticide

Version 1.0

Revision Date 03/28/2018

122000007168
Print Date 03/28/2018

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.