



SAFETY DATA SHEET

CREDO SC Insecticide

Version 4.1

Revision Date 02/01/2017

122000007168
Print Date 10/02/2017

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 HealthCare, LLC
Animal Health Division
12707 Shawnee Mission Parkway
(West 63rd)
Shawnee, KS 66216-1846
UNITED STATES OF AMERICA
(800) 633-3796

In case of emergency: (800) 422-9874
Chemtrec: (800) 424-9300
BAYER INFORMATION PHONE:(800) 633-3796
INTERNATIONAL:(703) 527-3887

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.



SAFETY DATA SHEET

CREDO SC Insecticide

Version 4.1

Revision Date 02/01/2017

122000007168
Print Date 10/02/2017

Hazardous components which must be listed on the label:

Components:	CAS-No.
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] ≥ 30 - < 50

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.



SAFETY DATA SHEET

CREDO SC Insecticide

Version 4.1

Revision Date 02/01/2017

122000007168
Print Date 10/02/2017

Most important acute symptoms/effects

Indication of any immediate medical attention and special treatment needed

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)



SAFETY DATA SHEET

CREDO SC Insecticide

Version 4.1

Revision Date 02/01/2017

122000007168
Print Date 10/02/2017

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	
		SUP	0.7 mg/m ³	
Glycerol	56-81-5	TWA (mist, respirable fraction)	5 mg/m ³	OSHA Z-1
		TWA (mist, total dust)	15 mg/m ³	OSHA Z-1
Propane-1,2-diol	57-55-6	TWA	10 mg/m ³	US WEEL

Hazardous components without workplace control parameters

Components	CAS-No.
Polyoxyethylene(25)tristyrylphenol	99734-09-5

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
Bulk density: Not applicable



SAFETY DATA SHEET

CREDO SC Insecticide

Version 4.1

Revision Date 02/01/2017

122000007168
Print Date 10/02/2017

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 2263 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:

No data available



SAFETY DATA SHEET

CREDO SC Insecticide

Version 4.1

Revision Date 02/01/2017

122000007168
Print Date 10/02/2017

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

Components:

Imidacloprid:

Acute oral toxicity : LD50 (Rat): 424 mg/kg
Assessment: Harmful if swallowed.

Acute inhalation toxicity : LC50 (Rat): > 5.323 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist/aerosol
Method: OECD 403
Assessment: May be harmful if inhaled.

Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg



SAFETY DATA SHEET

CREDO SC Insecticide

Version 4.1

Revision Date 02/01/2017

122000007168
Print Date 10/02/2017

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 sensitisation

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.

Carcinogenicity

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen



SAFETY DATA SHEET

CREDO SC Insecticide

Version 4.1

Revision Date 02/01/2017

122000007168
Print Date 10/02/2017

by NTP.

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 (Cyprinus carpio (Carp)): 280 mg/l
Exposure time: 96 h
Test Type: Acute Fish toxicity
- LC50 (Oncorhynchus mykiss (rainbow trout)): 211 mg/l
Exposure time: 96 h
Test Type: Acute Fish toxicity
- 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 (Hyalella azteca): 0.055 mg/l
Exposure time: 96 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.



SAFETY DATA SHEET

CREDO SC Insecticide

Version 4.1

Revision Date 02/01/2017

122000007168
Print Date 10/02/2017

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
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)



SAFETY DATA SHEET

CREDO SC Insecticide

Version 4.1

Revision Date 02/01/2017

122000007168
Print Date 10/02/2017

14. TRANSPORT INFORMATION

US Land transport (CFR)
non-regulated

Sea transport (IMDG)

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

15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Sodium hydroxide	1310-73-2	1000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Immediate Health Hazard
No SARA Hazards

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.



SAFETY DATA SHEET

CREDO SC Insecticide

Version 4.1

Revision Date 02/01/2017

122000007168
Print Date 10/02/2017

US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

Glycerol	56-81-5	10 - 20 %
Propane-1,2-diol	57-55-6	1 - 5 %
Sodium hydroxide	1310-73-2	0 - 0.1 %

New Jersey Right To Know

Glycerol	56-81-5	10 - 20 %
Propane-1,2-diol	57-55-6	1 - 5 %

New York City Hazardous Substances

Sodium hydroxide	1310-73-2	0 - 0.1 %
------------------	-----------	-----------

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

California Permissible Exposure Limits for Chemical Contaminants

Glycerol	56-81-5
----------	---------

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.

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

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

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.