

# SAFETY DATA SHEET

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



## NUPRID 200 SC

Version 1.0

Revision Date 07.07.2014

Print Date 07.07.2014

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

#### 1.1 Product identifier

Trade name : NUPRID 200 SC

Product code : CA2401

#### 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 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.

##### Classification (67/548/EEC, 1999/45/EC)

Dangerous for the environment R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R57: Toxic to bees.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

# SAFETY DATA SHEET

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



## NUPRID 200 SC

Version 1.0

Revision Date 07.07.2014

Print Date 07.07.2014

Hazard statements	: H410	Very toxic to aquatic life with long lasting effects.
Precautionary statements	: <b>Prevention:</b> P264 P273 P281	Wash hands thoroughly after handling. Avoid release to the environment. Use personal protective equipment as required.
	: <b>Response:</b> P391	Collect spillage.
	: <b>Storage:</b> P405	Store locked up.
	: <b>Disposal:</b> P501	Dispose of contents/ container to an approved waste disposal plant.

### Additional Labelling:

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

SPe8 Dangerous to bees./To protect bees and other pollinating insects do not apply to crop plants when in flower/Do not use where bees are actively foraging/Remove or cover beehives during application /Do not apply when flowering weeds are present/Remove weeds before flowering.

### 2.3 Other hazards

A Chemical Safety Assessment is not required for this mixture.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Suspension concentrate (SC)

#### Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Imidacloprid	138261-41-3	Xn; R22 N; R50-R53	Acute Tox. 4; H302 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	18,05 W/W
Ammonium chloride	12125-02-9 235-186-4	Xn; R22 Xi; R36	Acute Tox. 4; H302 Eye Irrit. 2; H319	1W/W - 5W/W

For the full text of the R-phrases mentioned in this Section, see Section 16.

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

# SAFETY DATA SHEET

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



## NUPRID 200 SC

Version 1.0

Revision Date 07.07.2014

Print Date 07.07.2014

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### 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 (CO<sub>2</sub>)
- Unsuitable extinguishing media : High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health. In the event of fire (CO<sub>x</sub>) may be formed.
- Hazardous combustion products :

#### 5.3 Advice for firefighters

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

# SAFETY DATA SHEET

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



## NUPRID 200 SC

Version 1.0

Revision Date 07.07.2014

Print Date 07.07.2014

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

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### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Refer to protective measures listed in sections 7 and 8. Never return spills in original containers for re-use.

#### 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.

#### 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

# SAFETY DATA SHEET

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



## NUPRID 200 SC

Version 1.0

Revision Date 07.07.2014

Print Date 07.07.2014

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

If the sub-section is blank, no value is applicable.

#### 8.2 Exposure controls

##### Personal protective equipment

Eye protection : Safety glasses

##### Hand protection

Material : Nitrile gloves

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.

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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance : Suspension concentrate (SC)

Colour : white

Odour : no data available

Odour Threshold : no data available

pH : 6,71, pH of a 1% aqueous dilution

Melting point/range : 144 °C Active substance

Boiling point/boiling range : Decomposition: Decomposes below the boiling point.  
Active substance

Flash point : > 98,9 °C

Evaporation rate : not applicable

Flammability (solid, gas) : not applicable

# SAFETY DATA SHEET

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



## NUPRID 200 SC

Version 1.0

Revision Date 07.07.2014

Print Date 07.07.2014

Lower explosion limit	: no data available
Upper explosion limit	: no data available
Vapour pressure	: negligible
Relative vapour density	: not applicable
Relative density	: no data available
Density	: 1,123 g/cm <sup>3</sup>
Water solubility	: 613 mg/l Test on active ingredient at 20 °C pH: 5,5
	607 mg/l Test on active ingredient at 20 °C pH: 4
	601 mg/l Test on active ingredient at 20 °C pH: 9
Solubility in other solvents	: 50 g/l Test on active ingredient at 20 °C Medium: Acetone
	> 200 g/l Test on active ingredient at 20 °C Medium: Dimethylformamide
Partition coefficient: n-octanol/water	: log Pow: 0,57 Test on active ingredient
Auto-ignition temperature	: 348 °C
Ignition temperature	: no data available
Thermal decomposition	: no data available
Viscosity, dynamic	: 442,7 mPa.s at 20 °C
	2.170,2 mPa.s at 40 °C
Viscosity, kinematic	: 394,2 mm <sup>2</sup> /s at 20 °C
	1.932,5 mm <sup>2</sup> /s at 40 °C
Explosive properties	: Not explosive

# SAFETY DATA SHEET

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



## NUPRID 200 SC

Version 1.0

Revision Date 07.07.2014

Print Date 07.07.2014

Oxidizing properties : The substance or mixture is not classified as oxidizing.

### 9.2 Other information

none

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 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 : no data available

### 10.5 Incompatible materials

Materials to avoid : no data available

### 10.6 Hazardous decomposition products

Hazardous decomposition products : no data available

Other information : no data available

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Product

Acute oral toxicity : LD50 rat: > 2.000 mg/kg

Acute inhalation toxicity : LC50 rat: > 7,63 mg/l  
Exposure time: 4 h

Acute dermal toxicity : LD50 rat: > 2.000 mg/kg

Skin corrosion/irritation : Species: rabbit  
Result: No skin irritation

Serious eye damage/eye irritation : Species: rabbit  
Result: No eye irritation

# SAFETY DATA SHEET

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



## NUPRID 200 SC

Version 1.0

Revision Date 07.07.2014

Print Date 07.07.2014

Respiratory or skin sensitisation : Species: rabbit  
Result: Did not cause sensitization.

STOT - single exposure : Remarks: no data available

STOT - repeated exposure : Remarks: 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

Respiratory or skin sensitisation : Result: Did not cause sensitization.  
Method: OECD Test Guideline 406

Carcinogenicity : Species: 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.



# SAFETY DATA SHEET

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



## NUPRID 200 SC

Version 1.0

Revision Date 07.07.2014

Print Date 07.07.2014

### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Product:

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 524,9 mg/l  
Exposure time: 48 h
- Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 74,3 mg/l  
Exposure time: 72 h
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC50: 0,0184 mg/l  
Exposure time: 28 d  
Species: Chironomus riparius
- Toxicity to terrestrial organisms : LC50: 74,1 mg/kg  
Exposure duration: 14 d  
Species: Eisenia fetida (earthworms)
- LD50: 0,110 µg imidacloprid/bee, oral  
Species: Apis mellifera (bees)
- LD50: 0,113 µg imidacloprid/bee, contact  
Species: Apis mellifera (bees)
- LD50: 0,046 µg imidacloprid/bee, oral  
Species: Bombus terrestris
- LD50: 0,830 µg imidacloprid/bee, contact  
Species: Bombus terrestris

##### Components:

##### Imidacloprid :

- Toxicity to fish : LC50 (Cyprinodon variegatus (sheepshead minnow)): 161 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 85 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

# SAFETY DATA SHEET

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



## NUPRID 200 SC

Version 1.0

Revision Date 07.07.2014

Print Date 07.07.2014

Toxicity to algae	:	EbC50 (Scenedesmus subspicatus): 10 mg/l 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
Toxicity to terrestrial organisms	:	LD50: 0,0037 µg/bee, oral Species: Apis mellifera (bees)  LD50: 0,081 µg/bee, contact Species: Apis mellifera (bees)

### 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

### 12.3 Bioaccumulative potential

#### Product:

Bioaccumulation : no data available

#### Components:

##### **Imidacloprid :**

Bioaccumulation : No bioaccumulation.

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

### 12.4 Mobility in soil

#### Product:

Mobility : no data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : A Chemical Safety Assessment is not required for this

# SAFETY DATA SHEET

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



## NUPRID 200 SC

Version 1.0

Revision Date 07.07.2014

Print Date 07.07.2014

mixture.

### 12.6 Other adverse effects

#### Product:

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

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## 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.

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## SECTION 14: Transport information

### 14.1 UN number

ADR : 3082  
IMDG : 3082  
IATA : 3082

### 14.2 Proper shipping name

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

# SAFETY DATA SHEET

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



## NUPRID 200 SC

Version 1.0

Revision Date 07.07.2014

Print Date 07.07.2014

### 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

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## SECTION 15: Regulatory information

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

### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this mixture.

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## SECTION 16: Other information

### Full text of R-Phrases

Acute Tox.	Acute toxicity
Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
Eye Irrit.	Eye irritation
R22	Harmful if swallowed.
R36	Irritating to eyes
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R57	Toxic to bees.

### Full text of H-Statements

H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

# SAFETY DATA SHEET

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



## NUPRID 200 SC

Version 1.0

Revision Date 07.07.2014

Print Date 07.07.2014

### Further information

Other information : 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)

This version replaces all previous versions.

Alterations are indicated in the left hand margin by: ||

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