



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

### 1.1. Product identifier

Trade name : **Nuprid 200 SL**

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

Use : Plant protection agent

### 1.3. Details of the supplier of the safety data sheet

Nufarm GmbH & Co KG  
St.-Peter-Str. 25  
A-4021 Linz  
Austria  
Telephone: +43/732/6918-4010  
Telefax: +43/732/6918-64010  
E-mail address: Johann.Mayr@at.nufarm.com

### 1.4. Emergency telephone number

+43/732/6914-2466 (Linz/Austria production site)  
+43/1/4064343 (Poisson Control Centre)

## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

EEC/99/45 : N R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 2.2. Label elements

according directive 1999/45/EG

Pictogram:





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- R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- S 2 - Keep out of the reach of children.
- S13 - Keep away from food, drink and animal feedingstuffs.
- S20/21 - When using do not eat, drink or smoke.
- S36/37 - Wear suitable protective clothing and gloves.
- S61 - Avoid release to the environment. Refer to special instructions/ Safety data sheets.

### 2.3. Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical nature** : Mixture of active ingredient and additives  
Imidaclopride 200g/l

### 3.2. Mixtures

#### Components:

#### Imidacloprid

CAS-No.: 138261-41-3  
EINECS-No. / ELINCS No.: 428-040-8  
REACH No.:  
Concentration: 17,1 % (w/w)

#### Classification:

EG\_1272/08 : AcuteTox.4 H302 - Harmful if swallowed.  
AquaticAcute1 H400 - Very toxic to aquatic life.  
AquaticChronic1 H410 - Very toxic to aquatic life with long lasting effects.  
EEC/67/548 : Xn R22 - Harmful if swallowed.  
N R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### dimethyl sulfoxide

CAS-No.: 67-68-5  
EINECS-No. / ELINCS No.: 200-664-3  
REACH No.:  
Concentration: 30% - 70% (w/w)

#### Classification:

EG\_1272/08 : - n.c. - This chemical substance is not classified in the Annex VI of Regulation (EC) No 1272/2008.  
EEC/67/548 : - n.c. - This chemical substance is not classified in the Annex I of Directive 67/548/EEC.

Poly(1-vinylpyrrolidone-co-vinyl acetate)



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CAS-No.: 25086-89-9  
EINECS-No. / ELINCS No.:  
REACH No.:  
Concentration: 0% - 5% (w/w)

**Classification:**  
EG\_1272/08 : AcuteTox.4 H302 - Harmful if swallowed.  
EEC/67/548 : - n.c. - This chemical substance is not classified in the Annex I of Directive 67/548/EEC.

Alkylarylpolyglykolether

CAS-No.: 104376-75-2  
EINECS-No. / ELINCS No.:  
REACH No.:  
Concentration: 0% - 5% (w/w)

**Classification:**  
EG\_1272/08 : AquaticChronic3 H412 - Harmful to aquatic life with long lasting effects.  
EEC/67/548 : - R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

- General advice : Consult a physician. Avoid contact with skin, eyes and clothing. Take off all contaminated clothing immediately. Move out of dangerous area.
- Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
- Skin contact : Remove and wash contaminated clothing before re-use. Wash off immediately with soap and plenty of water.
- Inhalation : Move the victim to fresh air. Obtain medical attention.
- Ingestion : Clean mouth with water and drink afterwards plenty of water. Call a physician immediately.

### 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 : No specific antidote, symptomatic treatment. If ingested, irrigate the stomach using activated charcoal in addition. Oxygen, if needed.



## 5. FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray, Dry powder, Sand, Foam, Carbon dioxide (CO<sub>2</sub>)

Extinguishing media which shall not be used for safety reasons : High volume water jet

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

Specific hazards during fire fighting : In the event of fire (HCl, Cl<sub>2</sub>, NO<sub>x</sub>, CO<sub>x</sub>, SO<sub>x</sub>, HCN) may be formed.

### 5.3. Advice for firefighters

Special protective equipment for fire-fighters : Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.

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

## 6. ACCIDENTAL RELEASE MEASURES

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

Use personal protective equipment. (see Chapter 8)

### 6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system.

### 6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Use mechanical handling equipment.

Additional advice : Never return spills in original containers for re-use.

### 6.4. Reference to other sections

see Chapter 13



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## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Safe handling advice : Wear personal protective equipment. Keep out of the reach of children.

Advice on protection against fire and explosion : Keep away from heat and sources of ignition.

### 7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store at room temperature in the original container.

Advice on common storage : Keep away from food, drink and animal feeding stuffs.

German storage class : 10 (Combustible liquids not in Storage Class 3)

#### Storage stability

Storage temperature : > 0 °C

### 7.3. Specific end uses

none

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Components with workplace control parameters  
none

### 8.2. Exposure controls

#### Personal protective equipment

Respiratory protection : Breathing apparatus needed only when aerosol or mist is formed. Gasfilter Type A for gases/vapours of organic compounds (boiling point >65 °C)

Hand protection : Protective gloves

Eye protection : Tightly fitting safety goggles

Skin and body protection : protective suit

Hygiene measures : Remove and wash contaminated clothing and gloves, including



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the inside, before re-use. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

Protective measures : Avoid contact with skin, eyes and clothing. Keep working clothes separately.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

#### Appearance

Physical state : liquid  
Form : Soluble concentrate  
Colour : light yellow  
Odour : No information available.

Melting point/range : no data available

Boiling point/boiling range : no data available

Flash point : 94 °C

Ignition temperature : 276 °C

Upper explosion limit : no data available

Lower explosion limit : no data available

Vapour pressure : 9E-07 Pa  
at 25 °C  
(Imidacloprid)

Density : 1,16 g/cm<sup>3</sup>

Water solubility : soluble

pH : no data available

Partition coefficient: n-  
octanol/water : log POW = 0,57  
at 21 °C  
(Imidacloprid)



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Dissociation constant : no data available

Viscosity, dynamic : 7,8 mPa.s  
at 20 °C

4,6 mPa.s  
at 40 °C

Surface tension : 49 - 55,5 mN/m

## 9.2. Other information

none

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

no data available

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

no data available

### 10.4. Conditions to avoid

No decomposition if stored and applied as directed.

### 10.5. Incompatible materials to avoid

Strong oxidizing agents

### 10.6. Hazardous decomposition products

no data available

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects



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- Acute oral toxicity : LD50 rat  
Dose: 5.000 mg/kg  
Test substance: (Imidacloprid)
- Acute dermal toxicity : LD50 rat  
Dose: 5.000 mg/kg  
Test substance: (Imidacloprid)
- Acute inhalation toxicity : LC50  
Exposure time: 4 h  
Dose: 5,33 mg/l  
Test substance: (Imidacloprid)
- Skin irritation : rat  
Result: No skin irritation  
Test substance: (Imidacloprid)
- Eye irritation : Result: No eye irritation  
Test substance: (Imidacloprid)
- Sensitisation : Result: Did not cause sensitization.  
Test substance: (Imidacloprid)

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

- Toxicity to birds : LD50 *Colinus virginianus* (Bobwhite Quail)  
Dose: 503 mg/kg  
Test substance: (Imidacloprid)
- : LD50 *Coturnix japonica* (Japanese quail)  
Dose: 503 mg/kg  
Test substance: (Imidacloprid)
- Toxicity to bees : LD50 (oral) *Apis mellifera* (bees)  
Test substance: (Imidacloprid)  
Value ( $\mu\text{g}/\text{Species}$ ): > 0,003
- : LD50 (contact) *Apis mellifera* (bees)





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Test substance: (Imidacloprid)  
Value ( $\mu\text{g}/\text{Species}$ ): > 0,081

Toxicity to fish : LC50 *Oncorhynchus mykiss* (rainbow trout)  
Dose: 211 mg/l  
Testing period: 96 h  
Test substance: (Imidacloprid)

Toxicity to daphnia : LC50 *Daphnia magna* (Water flea)  
Dose: 85 mg/l  
Testing period: 48 h  
Test substance: (Imidacloprid)

Toxicity to algae : EbC50 Toxicity to algae  
Dose: > 100 mg/l  
Exposure time: 72 h  
Test substance: (Imidacloprid)

### 12.2. Persistence and degradability

Biodegradability : Not readily biodegradable.  
Test substance: (Imidacloprid)

Stability in soil : DT50: 28 - 196 d  
(Imidacloprid)

### 12.3. Potential bioaccumulation

Bioaccumulation : Does not bioaccumulate.  
Test substance: (Imidacloprid)

### 12.4. Mobility in soil

Koc = 109 - 411 (Imidacloprid)

### 12.5. Results of PBT and vPvB assessment

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

### 12.6. Other adverse effects

none

## 13. DISPOSAL CONSIDERATIONS



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According to European Directive 2000/532/EC as amended :

Waste Code : 02 01 08 (agrochemical waste containing dangerous substances)

### 13.1. Waste treatment methods

Product : In accordance with local and national regulations.

Do not dispose with household waste.

Dispose at an approved waste disposal facility. Dispose the product and its packages as dangerous waste.

Contaminated packaging : Do not re-use empty containers.

Dispose empty and triple rinsed container within a local disposing system according to EC directive 94/62/EC

## 14. TRANSPORT INFORMATION

### 14.1. UN number

UN3082

### 14.2. Proper shipping name

UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.\*(Imidacloprid)

### 14.3. Transport hazard class(es)

ADR/RID :  
Class : 9

IMDG :  
Class : 9

IATA-DGR :  
Class : 9

### 14.4. Packaging group



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ADR/RID : III

IMDG : III

IATA-DGR : III

### 14.5. Environmental hazards

**IMDG**

Marine pollutant : MP

### 14.6. Special precautions for user

none

## 15. REGULATORY INFORMATION

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

Other regulations : The product is classified and labelled in accordance with EC directives or respective national laws.

### 15.2. Chemical Safety Assessment

none

## 16. OTHER INFORMATION

Print Date : 2015/10/14

The date format YYYY/MM/DD is used according to ISO 8601.  
(Alterations are indicated in the left hand margin by: || )

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.

**Contact person**



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