



SAFETY DATA SHEET

according to regulation (EC) no 1907/2006

Nuprid 600 FS

Version 1 (UK)

Issue date 11/03/2009

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

Product information

Trade name : **Nuprid 600 FS**

Usage : Pesticide, insecticide

Company : Nufarm UK Limited
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2. HAZARDS IDENTIFICATION

Harmful if swallowed.
May cause sensitization by skin contact
Toxic to bees.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture of active ingredient and additives
Imidacloprid 600 g/l

Components	CAS-No.	EINECS-No. ELINCS-No.	Symbol(s)	R-phrases(s)	Concentration (w/w)
Imidacloprid	138261-41-3	428-040-8	Xn, N	R22, R50/53	48.8 %

4. FIRST AID MEASURES

General advice : In case of unconsciousness place and transport person in the recovery position. Move out of dangerous area. Take off all contaminated clothing immediately.

Eye contact : Immediately flush eye(s) with plenty of water. Call a physician immediately.

Skin contact : Wash off immediately with soap and plenty of water. Call a physician immediately.

Inhalation : Move affected person(s) into fresh air. Keep warm Keep at rest. Call a physician immediately.

Ingestion : Do NOT induce vomiting. Rinse mouth. Call a physician



immediately.

Notes to physician

Treatment : Treat symptomatically. Monitoring of respiratory and cardiac functions. If ingested, irrigate the stomach using activated charcoal in addition.

5. FIRE-FIGHTING MEASURES

Specific hazards during fire fighting : In the event of fire (NO_x, CO_x, HCl, Cl₂, HCN) may be formed.

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

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

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

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Use personal protective equipment. (see Chapter 8)

Environmental precautions : Do not flush into surface water or sanitary sewer system.

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Sweep up and shovel into suitable containers for disposal.

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

7. HANDLING AND STORAGE

Handling

Safe handling advice : Wear personal protective equipment.

Storage

Requirements for storage areas and containers : Store in original container. Keep tightly closed in a dry, cool and well-ventilated place. Protéger du gel.



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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

- Respiratory protection : Breathing apparatus needed only when aerosol or mist is formed.
- Hand protection : PVC or nitrile-rubber gloves
- Eye protection : Goggles, or, Safety glasses
- Skin and body protection : protective suit
- Hygiene measures : Remove and wash contaminated clothing and gloves, including 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

Appearance

- Physical state : liquid
- Form : suspension concentrate (SC)
- Colour : beige
- Odour : No information available.

Other data

- Melting point/range : no data available
- Boiling point/boiling range : no data available
- Flash point : does not flash
- Ignition temperature : no data available
- Upper explosion limit : no data available
- Lower explosion limit : no data available



Vapour pressure	: 9E-07 Pa at 25 °C (Imidacloprid)
Density	: 1.23 g/cm ³
Water solubility	: dispersible
pH	: 7 at 10 g/l
Partition coefficient: n-octanol/water	: log POW = 0.57 at 21 °C (Imidacloprid)
Viscosity, dynamic	: 278.5 mPa.s at 20 °C

10. STABILITY AND REACTIVITY

Thermal decomposition	: No decomposition if stored and applied as directed.
Conditions to avoid	: Extreme temperatures.
Materials to avoid	: Strong oxidizing agents

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50 rat Dose: ca. 500 mg/kg
Acute dermal toxicity	: LD50 rat Dose: > 2,000 mg/kg Method: OECD Test Guideline 402
Acute inhalation toxicity	: LC50 rat Exposure time: 4 h Dose: > 1.68 mg/l Method: OECD Test Guideline 403



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Remarks: highest experimental achievable concentration, no mortality

Skin irritation : Classification: No skin irritation

Eye irritation : Classification: No eye irritation

Sensitisation : Classification: May cause sensitization by skin contact.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to birds : LD50 Coturnix japonica (Japanese quail)
Dose: 31 mg/kg
Test substance: (Imidacloprid)

: LD50 Colinus virginianus (Bobwhite Quail)
Dose: 152 mg/kg
Test substance: (Imidacloprid)

Toxicity to bees : Harmful to honeybees by direct contact, but no problems expected when not sprayed into flowering crop or when used as seed treatment

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

Toxicity to daphnia : EC50 Daphnia
Dose: 85 mg/l
Testing period: 48 h
Test substance: (Imidacloprid)

Toxicity to algae : EC50 Pseudokirchneriella subcapitata
Dose: > 100 mg/l
Exposure time: 72 h
Test substance: (Imidacloprid)



13. DISPOSAL CONSIDERATIONS

Product : In accordance with local and national regulations.

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

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

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

14. TRANSPORT INFORMATION

UN-Number :

ADR/RID :

Not a dangerous substance as defined in the above regulations.

IMDG :

Not a dangerous substance as defined in the above regulations.

IATA-DGR :

Not a dangerous substance as defined in the above regulations.

15. REGULATORY INFORMATION

Labelling according to EC Directives : EEC/99/45

Symbol(s) : Xn Harmful

R-phrase(s) : R22 Harmful if swallowed.
R43 May cause sensitization by skin contact.



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- S-phrase(s) : S24 Avoid contact with skin.
S37 Wear suitable gloves.
- Further information : Handle in accordance with good industrial hygiene and safety practice.
- Other regulations : The product is classified and labelled in accordance with EC directives or respective national laws.

16. OTHER INFORMATION

Print Date : 03/11/2009

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

Full text of any R phrases referred to under heading 3:

- R22 - Harmful if swallowed.
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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