



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

Product information

Trade name : **suSCon Green Soil Insecticide**

Usage : Pesticide, insecticide

Company : Nufarm UK Limited
Crabtree Manorway North
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UK

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2. HAZARDS IDENTIFICATION

Harmful if swallowed.
Toxic to aquatic organisms.
May cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Granular Formulation
containing 10% Chlorpyrifos.

Components	CAS-No.	EINECS-No. ELINCS-No.	Symbol(s):	R-phrases(s)	Concentration (w/w)
chlorpyrifos	2921-88-2	220-864-4	T, N	R24/25, R50/53	10.0 %

4. FIRST AID MEASURES

Eye contact : Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, consult a specialist.

Skin contact : Remove and wash contaminated clothing before re-use.

Ingestion : Clean mouth with water and drink afterwards plenty of water. Obtain medical attention.

Notes to physician

Hazards : This product contains an anticholinesterase compound. Do not use if under medical advice not to work with such compounds.



Treatment : See product label for further guidance.

5. FIRE-FIGHTING MEASURES

- Specific hazards during fire fighting : In the event of fire (HCl, Cl₂, NO_x, SO₂, CO) 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 must 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 : Take up mechanically and collect in suitable container for disposal.
- Additional advice : Never return spills in original containers for re-use.

7. HANDLING AND STORAGE

Handling

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

Storage

- 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.

Storage stability

- Storage temperature : > 0 °C



8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

- Respiratory protection : Breathing apparatus only if aerosol or dust is formed.
- 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 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 : solid
- Form : granules
- Colour : dark green
- Odour : mild mercaptan-like

Other data

- Melting point/range : no data available
- Boiling point/range : no data available
- Flash point : no data available
- Ignition temperature : no data available
- Upper explosion limit : no data available
- Lower explosion limit : no data available
- Vapour pressure : no data available



Bulk density : 630 kg/m³

Water solubility : insoluble

pH : no data available

Partition coefficient
(n-octanol/water) : log POW = 4.7
(Chlorpyrifos)

Viscosity, dynamic : no data available

10. STABILITY AND REACTIVITY

Thermal decomposition : Heating can release hazardous gases.

Conditions to avoid : none under normal use

Materials to avoid : strong oxidizing agents

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50
Dose: > 800 mg/kg

Acute dermal toxicity : LD50
Dose: > 2,000 mg/kg

Skin irritation : rabbit
Result: No skin irritation

Eye irritation : rabbit
Result: No eye irritation

Sensitization : Guinea-pig
Result: Did not cause sensitization.



SAFETY DATA SHEET

according to regulation (EC) no 1907/2006

suSCon Green Soil Insecticide

Version 5 (UK)

Issue date 08/01/2008

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

- Toxicity to bees : LD50 (contact) Apis mellifera (Honey bee)
Test substance: (chlorpyrifos)
Toxic to bees.
Value ($\mu\text{g}/\text{Species}$): > 0.1
- Toxicity to bees : LD50 (oral) Apis mellifera (Honey bee)
Test substance: (chlorpyrifos)
Value ($\mu\text{g}/\text{Species}$): 0.3
- Toxicity to fish : LC50 Oncorhynchus mykiss (Rainbow trout)
Dose: < 0.05 mg/l
Testing period: 96 h
Test substance: (chlorpyrifos)
- Toxicity to daphnia : LC50 Daphnia magna (Water flea)
Dose: < 0.002 mg/l
Testing period: 48 h
Test substance: (chlorpyrifos)
- Toxicity to algae : NOEC Selenastrum capricornutum
Dose: > 0.4 mg/l
Test substance: (chlorpyrifos)

13. DISPOSAL CONSIDERATIONS

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-No : 3077



Description of the goods : UN3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S.*(Chlorpyrifos)

ADR/RID

Class : 9
Packaging group : III

IMDG

Class : 9
Packaging group : III
Marine pollutant : Y

IATA-DGR

Class : 9
Packaging group : III

15. REGULATORY INFORMATION

Symbol(s) : Xn Harmful
N Dangerous for the environment

R-phrase(s) : R22 Harmful if swallowed.
R51/53 Toxic to aquatic organisms, may cause
long-term adverse effects in the aquatic
environment.

S-phrase(s) : S35 This material and its container must be
disposed of in a safe way.
S36/37 Wear suitable protective clothing and gloves.
S45 In case of accident or if you feel unwell, seek
medical advice immediately (show label
where possible).
S57 Use appropriate containment to avoid
environmental contamination.
S61 Avoid release to the environment. Refer to
special instructions/Safety data sheets.

Further information : Handle in accordance with good industrial hygiene and safety



practice.

Other regulations : The product is classified and labelled in accordance with National and European directives.

16. OTHER INFORMATION

PRINT DATE : 01/08/2008

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

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

- R24/25 - Toxic in contact with skin and if swallowed.
- R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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