

Safety data sheet

Issue date: 02-01-2014

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

1.1. Product identifier

Trade name: Dimilin 5

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

Recommended uses: Insecticide

Use biocides safely. Always read the label and product information before use. This safety data sheet contains general information concerning the chemical, but specific instructions and guidelines are indicated on the product label and in the instructions for use.

1.3. Details of the supplier of the safety data sheet

Supplier: Trinol A/S
Søagervej 9
9500 Hobro
Denmark
Tel: +45 96320064
Fax: + 45 96320063
Email: trinol@trinol.dk

1.4. Emergency telephone number

0870 600 6266 (UK only) Only available to health professionals.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

DPD-classification (Directive N;R50/53
1999/45/EC):

Please see section 16 for the full text of R-phrases and H-phrases.

Most serious harmful effects: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

May cause slight irritation to the skin and eyes.

2.2. Label elements



Dangerous for
the environment

Contains: Diflubenzuron 50 g/kg

Hazard designation: Dangerous for the environment

R-phrases: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.(R50/53)

S-phrases: Do not empty into drains.(S29)
 This material and its container must be disposed of as hazardous waste.(S60)
 Keep out of the reach of children.(S2)
 Keep away from food, drink and animal feeding stuffs.(S13)

2.3. Other hazards

Assessment to determine PBT and vPvB has not been made.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Registration number	CAS/ EC Number	Substance	DSD-classification (Directive 67/548/EEC)/ CLP-classification (Regulation (EC) No 1272/2008)	w/w%	Note
.	35367-38-5 /	Diflubenzuron	N;R50/53	5	.
.	252-529-3		Aquatic Acute 1;H400 Aquatic Chronic 1;H410	.	.

Please see section 16 for the full text of R-phrases and H-phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Seek fresh air, wash out mouth with water and blow nose thoroughly.

Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of discomfort.

Skin: Remove contaminated clothing, watch and jewellery. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.

Eyes: Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

Other information: When obtaining medical advice, show the safety data sheet or label.

4.2. Most important symptoms and effects, both acute and delayed

May cause slight irritation to the skin and eyes.

4.3. Indication of any immediate medical attention and special treatment needed

No special immediate treatment required. Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not directly flammable. Choose extinguishing agents based on the surrounding fire.

Unsuitable extinguishing media Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product is not directly flammable. Avoid inhalation of vapour and fumes – seek fresh air. Product decomposes in fire conditions or when heated to high temperatures, and toxic gases may be released.

5.3. Advice for firefighters

Send contaminated extinguishing water for destruction. Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Wear gloves. In case of insufficient ventilation, wear respiratory protective equipment. Wear safety goggles if there is a risk of dust contact with eyes.

For emergency responders: In addition to the above: Normal protective clothing equivalent to EN 469 is recommended.

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water. Notify proper authorities in case of contamination of soil or aquatic environment or discharge to drains.

6.3. Methods and material for containment and cleaning up

Sweep up/collect spills for possible reuse or transfer to suitable waste containers. Use water mist to bind dust. Wipe up minor spills with a damp cloth.

6.4. Reference to other sections

See section 13 for instructions on disposal. See section 8 for type of protective equipment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Work processes where generation of dust may occur must be performed under effective process ventilation (e.g. local exhaust ventilation). Wash hands before breaks, before using restroom facilities, and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Store in a cool, dry place. Keep in tightly closed original packaging.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Legal basis: EH40/2005 Workplace exposure limits. Last amended December 2011.

Contains no substances subject to reporting requirements.

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles if there is a risk of dust contact with eyes.

Personal protective equipment, skin protection: Wear gloves. Type of material and thickness: Nitrile rubber. Breakthrough time has not been determined for the product. Change gloves often. Gloves must conform to EN 374.

Personal protective equipment, respiratory protection: Wear respiratory protective equipment with P2 filter when performing dusty work.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State:	Powder
Colour:	White
Odour:	Weak
Odour threshold:	No data
pH (solution for use):	No data
pH (concentrate):	No data
Melting point/freezing point:	No data
Initial boiling point and boiling range:	No data
Flash point:	No data
Evaporation rate:	No data
Flammability (solid, gas):	No data
Upper/lower flammability limits:	No data
Upper/lower explosive limits:	No data
Vapour pressure:	No data
Vapour density:	No data
Relative density:	0,6-0,7
Solubility:	Insoluble in Water.
Partition coefficient n-octanol/water:	No data

Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data
Explosive properties:	No data
Oxidising properties:	No data

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral:	The product does not have to be classified. Rat: LD50 >10.000 mg/kg.
Acute toxicity - dermal:	The product does not have to be classified. Rabit: LD50 >10.0000 mg/kg.
Acute toxicity - inhalation:	The product does not have to be classified. Rat: 4h LC50 >3,5 mg/l
Skin corrosion/irritation:	May cause slight irritation. The product does not have to be classified. Test data are not available.
Serious eye damage/eye irritation:	May cause eye irritation. The product does not have to be classified. Test data are not available.
Sensitisation:	The product does not have to be classified. Test data are not available.
Mutagenicity:	The product does not have to be classified. Test data are not available.
Carcinogenic properties:	The product does not have to be classified. Test data are not available.
Reproductive toxicity:	The product does not have to be classified. Test data are not available.
Toxicity in case of single exposure:	The product does not have to be classified. Test data are not available.
Toxicity in case of repeated or prolonged exposure:	The product does not have to be classified. Test data are not available.
Aspiration hazard:	The product does not have to be classified. Test data are not available.
Other toxicological effects:	None known.

SECTION 12: Ecological information**12.1. Toxicity**

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Acute toxicity:

35367-38-5:
Fish: Cyprinodon sp.: NOEC = 0,1 mg/l

Chronic toxicity:

Daphnia: Daphnia magna: NOEC <6 mg/l

12.2. Persistence and degradability

The product contains at least one substance that is not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulation can be expected.

35367-38-5: BFC > 100

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

No assessment has been made.

12.6. Other adverse effects

Insecticide

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Avoid discharge to drain or surface water.

Uncleansed packaging is to be disposed of via the local waste-removal scheme.

Empty, cleansed packaging should be disposed of for recycling.

Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

EWC code: Depends on line of business and use, for instance 16 05 08 discarded organic chemicals consisting of or containing dangerous substances

EWC code: Depends on line of business and use, for instance 07 04 13 solid wastes containing dangerous substances

EWC code: Depends on line of business and use, for instance 02 01 08 agrochemical waste containing dangerous substances

SECTION 14: Transport information**ADR/RID****14.1. UN number**

3077

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Diflubenzuron)

14.3. Transport hazard class(es)

9

14.4. Packing group

III

Hazard identification number

90

Tunnel restriction code:

E

14.5. Environmental hazards

The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.

ADN

14.1. UN number	3077
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Diflubenzuron)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.5. Environmental hazards	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.
Environmental hazard in tank vessels:	Not applicable.
IMDG	
14.1. UN number	3077
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Diflubenzuron)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.5. Environmental hazards	The product must be labelled as a Marine Pollutant (MP) in packaging sizes of more than 5 kg/l.
IMDG Code segregation group:	-
ICAO/IATA	
14.1. UN number	3077
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Diflubenzuron)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.6. Special precautions for user	None.
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

SECTION 15: Regulatory information

Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products.

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

Special provisions: Council Directive 96/82/EC (Seveso), Dangerous for the environment: Column 2: 100 t, Column 3: 200 t.

Batch number and expiration date appears from the packaging.

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

SECTION 16: Other information

Abbreviation explanations: PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very Persistent and Very Bioaccumulative

References to literature and data sources: This safety data sheet was prepared from information provided by the supplier about the product at the time of preparation (e.g. data sheets and the like).

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

H-phrases: H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Training:

A thorough knowledge of this safety data sheet should be a prerequisite condition.

Other information:

This safety data sheet is in accordance with 1907/2006/EC (REACH) and subsequent amendments.

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