



SAFETY DATA SHEET

DIMILIN® SC48

Version: 1.6
Date of Issue: 05.02.2007
Date printed: 06.02.2007

Chemtura Corporation urges the recipient of this Safety Data Sheet to study it carefully to become aware of hazards, if any, of the product involved. In the interest of safety you should (1) notify your employees, agents and contractors of the information on this sheet, (2) furnish a copy to each of your customers for the product, and (3) request your customers to inform their employees and customers as well.

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

Identification of the substance or preparation: DIMILIN® SC48

Chemical name: Diflubenzuron

Use of substance/preparation: Insecticide

Company identification: Chemtura Europe Limited
Kennet House
4 Langley Quay
Slough Berkshire
SL3 6EH
United Kingdom

Emergency telephone number: +44 (0)208 762 8322
For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Environmental, Health and Safety Department: Tel.: +44 (0) 1753.603.000

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	% BY WEIGHT	HAZARD	DANGER SYMBOL(S)
Diflubenzuron CAS# 35367-38-5 EINECS/ELINCS# 252-529-3	48	R50	N
Ethylene glycol CAS# 107-21-1 EINECS/ELINCS# 203-473-3	< 10	R22	Xn
Sodium diisopropylnaphthalenesulfonate CAS# 1322-93-6 EINECS/ELINCS# 215-343-3	< 5	R22 R36/37	Xn

3. HAZARDS IDENTIFICATION

Main hazards and effects:
Very toxic to aquatic organisms.

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4. FIRST AID MEASURES

Swallowing

Do not induce vomiting. Rinse mouth with water. Obtain medical attention.

Inhalation

Remove to fresh air. Obtain medical attention if symptoms persist.

Skin contact

Wash skin with soap and water. No harmful effects expected.

Eye contact

Flush eyes thoroughly with water for several minutes. Obtain medical attention if discomfort persists.

5. FIRE-FIGHTING MEASURES

Hazardous combustion products

Irritating fumes.
Oxides of carbon.

Special fire fighting procedures

Do not discharge extinguishing waters into streams, rivers and lakes.

Special protective equipment for firefighters

Body covering protective clothing, full "turn-out" gear.
Self-contained breathing apparatus.

Extinguishing media

Suitable:

- Large fires:
 - alcohol-type foam or universal-type foams
- Small fires:
 - CO₂
 - dry chemical
 - water spray

Unsuitable: - water jets

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear suitable protective equipment.

Environmental precautions

Prevent from entering sewer system, surface water or soil., May be harmful to aquatic life.

Methods for cleaning up

Small spills: Absorb on inert material such as sand, earth, vermiculite.
Collect for disposal.

Large spills Dike to contain spill.
Pump excess material into suitable container (metal drums, metal tank, or such).

7. HANDLING AND STORAGE

HANDLING



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Handling precautions

Avoid contact with eyes, skin and clothing., Use with adequate ventilation.

STORAGE

Storage requirements

Store in a cool, dry place.

Further information on storage

Shelf Life:, 3 Years

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

Component	Country	Type	Value	Remark
Ethylene glycol	Belgium	Ceiling	101 mg/m ³	(aerosol)
	Denmark	TWA, skin	10 ppm 10 ppm	
	France	VLE	50 ppm 50 ppm	
	Finland	8 hours	50 ppm 50 ppm	
		15 minutes	75 ppm 75 ppm	
	Germany	AGW value, 8-hours average value, skin	10 ppm 10 ppm	
	Ireland	OEL-TWA, skin	20 ppm 20 ppm	
		OEL-STEL, skin	40 ppm 40 ppm	
	Italy	TWA, skin	20 ppm 20 ppm	
		STEL, skin	40 ppm 40 ppm	
	Norway	Ceiling, skin	25 ppm 25 ppm	
	Spain	VLA-ED, skin	20 ppm 20 ppm	
		VLA-EC, skin	40 ppm 40 ppm	
	Sweden	NGV, skin	10 ppm 10 ppm	
		KTV, skin	20 ppm 20 ppm	
	the Netherlands	MAC-TWA, skin	20 ppm 20 ppm	
		MAC-STEL, skin	40 ppm 40 ppm	
	Great Britain	TWA	60 mg/m ³	
		STEL	125 mg/m ³	
	Austria	TWA	10 ppm	



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			10 ppm	
		Ceiling	20 ppm 20 ppm	

No other exposure limits have been established

PERSONAL PROTECTION

Respiratory protection

May be needed if product is used in a confined or poorly ventilated area., All respirators must be NIOSH approved.

Hand protection / protective gloves

Chemical resistant protective gloves

Eye protection

Safety glasses with side shields.

Skin protection

Wear protective clothing.

Other protective equipment

Eye bath, Safety shower

ENGINEERING CONTROLS

Ventilation

General (mechanical) room ventilation is expected to be satisfactory., Local ventilation is needed in the presence of airborne mists, sprays or aerosols and/or high vapor concentrations.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state Liquid
Color Off-white
Odor Little or no odor.

OTHER PROPERTIES

Boiling point 100 °C
pH 7,1
1 % suspension in water
Density 1,2 g/cm³
Vapor pressure
Solubility in water Dispersible
Flash point Aqueous material
Autoignition temperature Not applicable
Percent volatiles 47 %(m)
Water.
Dynamic viscosity 150 mPa.s at (approximately)

10. STABILITY AND REACTIVITY

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Stability: This product is stable under normal storage and handling conditions.

Incompatible materials:

Oxidizing agents.
Strong acids.
Strong bases.

Hazardous combustion products:

Irritating fumes.
Oxides of carbon.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

SWALLOWING

Test results

Acute toxicity: LD50 Rat
Result: > 5.000 mg/kg

SKIN ABSORPTION

Test results

Acute toxicity: LD50 - Rat
Result: > 2.000 mg/kg

INHALATION

Test results

Acute toxicity: LC50 - Rat
Result: > 2,88 mg/l
Exposure time: 4 h
Remark: Test results are based on a major component.

SKIN CONTACT

Test results

Skin irritation: Species: Rabbit
Classification: Not irritant

EYE CONTACT

Test results

Eye irritation: Species: Rabbit
Result: Slight irritation
Classification: Not irritating

12. ECOLOGICAL INFORMATION

Component ecotoxicology Diflubenzuron Acute toxicity fish:	LC50 - Rainbow trout (<i>Oncorhynchus mykiss</i>) Result: > 106,4 mg/l Exposure time: 96 h
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Component ecotoxicology Diflubenzuron Acute toxicity fish:	LC50 - Zebra fish (<i>Brachydanio rerio</i>) Result: > 64,8 mg/l Exposure time: 96 h
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Component ecotoxicology	IC50 - <i>Selenastrum capricornutum</i>
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Diflubenzuron <u>Aquatic toxicity to plants:</u>	Result: > 80 mg/l Exposure time: 72 h
<u>Component ecotoxicology</u> Diflubenzuron <u>Acute toxicity to aquatic invertebrates:</u>	EC50 - Water flea (Daphnia magna) Result: 0,0026 mg/l Exposure time: 48 h

13. DISPOSAL CONSIDERATIONS

General: Avoid discharge to sewers and natural waters., Incinerate in a furnace where permitted under national and local regulations.

14. TRANSPORT INFORMATIONADR/RID

Proper shipping name Environmentally hazardous substance, liquid, n.o.s.
Class 9 (M6)
UN No. 3082
Packing group III
Hazard No. 90
Label 9

IMDG Classification

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s.
Class: 9
Subsidiary risk: marine pollutant
UN ID #: UN 3082
Packing group: III
Technical description (Diflubenzuron)

ICAO Classification

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s.
Class: 9
UN ID #: UN 3082
Packing group: III
Technical description (Diflubenzuron)

Only regulated by air Into, Out of or Within the United States in containers 881.8 lbs (400 kg) or greater.

15. REGULATORY INFORMATIONEC classification

Danger symbol(s) : N
Risk phrases : R50 Very toxic to aquatic organisms.
Safety phrases : S57 Use appropriate container to avoid environmental contamination.
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.



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Contains : Diflubenzuron
 : Ethylene glycol
 : Sodium diisopropylnaphthalenesulfonate

EPA

16. OTHER INFORMATION

List of R-phrases used in data sheet. See section 15 for classification details.
 Risk phrases : R22 Harmful if swallowed.
 R36 Irritating to eyes.
 R37 Irritating to respiratory system.
 R50 Very toxic to aquatic organisms.

FURTHER INFORMATION

Where appropriate, use CEN approved personal protection equipment.
 For further information see the webpage
 This Safety Data Sheet conforms to EC Directive 2001/58 and amendments.

Carechem24 International Worldwide Coverage - *Chemtura Corporation* Emergency Telephone Numbers

Europe:	All European Countries	+44 (0)208 762 8322
Asia Pacific:	Australia, New Zealand	+44 (0)870 190 6777
	China, Hong Kong, Singapore, Philippines, Taiwan, Vietnam, India	+65 63 222 513
	Japan, North & South Korea	+65 63 222 514
	Indonesia	+62 21 230 5992
	Malaysia	+60 3 205 35 754
	Thailand	+66 2 642 7851
Middle East:	Arabic speaking countries	+961 3 487 287
	All other countries	+44 (0)208 762 8322
Africa:	Arabic speaking countries	+961 3 487 287
	All other countries	+44 (0)208 762 8322
Latin America:	All	+44 (0)208 762 8322
China:	All	+86 10 5100 3039

STP	Standard temperature and pressure
W/W	Weight/Weight

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