

SAFETY DATA SHEET – SPODNAM DC

1. Identification of the substance/preparation and of the company/undertaking.

PRODUCT NAME: SPODNAM DC

COMPANY: Mandops (UK) Limited, 36 Leigh Road, Eastleigh, Hampshire, SO50 9DT
Tel: 023 8064 1826
Fax: 023 8062 9106
Emergency Tel: 07659 109600 (outside office hours)

2. Composition/information on ingredients

ACTIVE INGREDIENT: Di-1-p-menthene

CAS NO: [34363-01-4]

EC NO: 95-06-0758-00

3. Hazards identification

Irritating to skin and eyes: avoid skin contact if possible. May cause sensitisation by skin contact.

Very toxic to aquatic organisms: avoid release into surface waters.

4. First aid measures

EYES Irrigate well with eye wash solution or copious amounts of water. Seek medical advice if adverse reaction occurs and persists.

SKIN Wash affected area well with soap and water.

INGESTION Drink large volume of water or milk but do not induce vomiting. Obtain medical advice if significant quantity ingested.

INHALATION High concentration of spray mist may irritate respiratory tract. Remove from exposure. In severe cases, or if recovery is not rapid, seek medical attention.

5. Fire-fighting measures

If involved in a fire, it may emit fumes containing toxic compounds.

Firefighting personnel should be equipped with full protection by suitable clothing and positive pressure, self-contained breathing apparatus.

SUITABLE EXTINGUISHERS Carbon dioxide, foam or dry powder.

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6. Accidental release measures

ENVIRONMENTAL PRECAUTIONS Prevent spilt material from entering drains or watercourses.
Inform appropriate authority of any release to water courses.

CLEAN UP PROCEDURE Absorb with sand or earth, transfer to containers for waste disposal.
Subsequently wash the spill site with plenty of water.

7. Handling and storage

HANDLING When using, do not eat, drink or smoke.
Do not breathe spray mist.
Do not contaminate surface waters or ditches with chemical or used container.

STORAGE Keep away from food, drink and animal feeding stuffs.
Keep out of reach of children.
Keep in original container tightly closed in a safe place.

8. Exposure controls/personal protection

RESPIRATORY PROTECTION Vapour mask when handling the concentrate

HAND PROTECTION Wear plastic or rubber gloves.

EYE PROTECTION Wear goggles with side shields.

SKIN PROTECTION Wear overalls to reduce contact with skin.

9. Physical and chemical properties

APPEARANCE Off-white to pink aqueous emulsion

ODOUR Mild >terpene-like=

RELATIVE DENSITY 0.96 @ 20°C

VAPOUR PRESSURE 0.02 Pa at 25°C

SOLUBILITY IN WATER Partially soluble

VISCOSITY 800 mPa.s @ 20°C

FLASH POINT > 100°C

AUTOIGNITION TEMPERATURE 268 °C

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10. Stability and reactivity

	Stable material.
UNSUITABLE WORKING MATERIALS	None known
SUBSTANCES TO BE AVOIDED	None known
HAZARDOUS DECOMPOSITION PRODUCTS	Oxides of carbon
CONDITIONS TO AVOID	None known

11. Toxicological information

Oral toxicity	Low (LD ₅₀ in rats > 5000 mg/kg)
Dermal Toxicity	Low (LD ₅₀ in rats > 5000 mg/kg)
Toxicity by inhalation	Low (LC ₅₀ in rats > 2460 mg/kg)
Irritancy/corrosion on the skin	Irritant (in rabbit test). May cause skin sensitisation.
Irritancy in the eye	Irritant
Skin sensitisation	Positive in guinea pig maximisation test, negative in topical test.
Evidence of carcinogenic properties	None
Evidence of teratogenic effects	None

12. Ecological information

ENVIRONMENTAL EFFECTS	Not readily biodegradable in water but expected to degrade slowly in soil. Log K _{oc} > 4.4		
MOBILITY	Partially soluble in water		
AQUATIC TOXICITY	High	Fish	EC ₅₀ 20 mg/litre
		Daphnia	EC ₅₀ 0.75 mg/litre
		Algae	EC ₅₀ 3 mg/litre
OTHER INFORMATION ON ECOTOXICITY	Not inhibitory to sewage micro-organisms (EC ₅₀ in respiration inhibition test > 300 mg/litre) Low toxicity to earthworms (14d LC ₅₀ > 1000ppm and honeybees (48h LD ₅₀ > 200µg/bee)		

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13. Disposal considerations

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company.

Chemical neutralisation method	None known
Methods for recovery/recycling	None known
Disposal by incineration	Recommended
Other recommended disposal methods	Not recommended

14. Transport information

Not regulated for transport. No special precautions relating to transport

15. Regulatory information

Labelling according to EU regulations:

LABEL NAME SPODNAM DC

CLASSIFICATION Irritant, Sensitizing and Dangerous for the environment

LABELLING SYMBOL Xi (irritant), N (Dangerous for the environment)

RISK PHRASES R36/38: Irritating to eyes and skin.
R43: May cause sensitisation by skin contact.
R50/53: Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

SAFETY PHRASES S23: Do not breathe spray.
S24 Avoid contact with skin
S56: Do not discharge into drains or the environment; dispose to an authorised waste collection point.

Occupational exposure limits set by EU Regulations: None

Specific EU controls on sale or use: None

16. Other information

This material is used for: Pesticide adjuvant and plant anti-transpirant.

This Safety Data Sheet is VERSION 2, sections 8,11,12,15 have been amended.

Prepared by: PF on 30.09.2003

Mandops have taken care to ensure the accuracy of the information given herein and provide this Safety Data Sheet as required by Directives 91/155/EEC and 93/112/EC but gives no warranty as to accuracy or completeness. Since the conditions of use of this product vary, and are not within the

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control of Mandops, the obligation to ensure safety rests with the user.