

# SAFETY DATA SHEET – SPRAYFAST

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

**PRODUCT NAME:** SPRAYFAST

**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)

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## 2. Composition/information on ingredients

**ACTIVE INGREDIENT:** Di-1-p-menthene (33.4%)

**CAS NO:** [34363-01-4]

**EC NO:** 95-06-0758-00

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## 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.

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## 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.

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## 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.

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### 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.

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### 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.

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### 9. Physical and chemical properties

**APPEARANCE** Off-white to pale yellow aqueous emulsion

**ODOUR** Mild >terpene-like=

**RELATIVE DENSITY** 0.98 @ 20°C

**VAPOUR PRESSURE** 0.02 Pa at 25°C

**SOLUBILITY IN WATER** Partially soluble

**VISCOSITY** 400 mPa.s @ 20°C

**FLASH POINT** > 100°C

**AUTOIGNITION TEMPERATURE** 268 °C

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### 10. Stability and reactivity

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

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### 11. Toxicological information

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

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### 12. Ecological information

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

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

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### 14. Transport information

**Not regulated for transport. No special precautions relating to transport**

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### 15. Regulatory information

**Labelling according to EU regulations:**

**LABEL NAME** SPRAYSEAL

**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

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### 16. Other information

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

This Safety Data Sheet is VERSION 4, sections 1,8,11,12,15 have been amended.

Prepared by: PF on 18.08.2004

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.