

RIGBY TAYLOR LTD

PRODUCT SAFETY DATA SHEET: MASCOT FUSION

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

Marketed By:

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Product Name: FUSION MAPP 17225

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of harm to the unborn child.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

Chemical nature

Suspension Concentrate (=flowable concentrate) (SC)

100g/l Trifloxystrobin, 200g/l Tebuconazole

Hazardous components

Chemical name	Concentration	Symbols	R-phrases (s)	CAS -No / EINECS-No
Tebuconazole	18.20 %	Xn, N,	R22, R51/53 R63	107534-96-3
Trifloxystrobin	9.10%	Xi, N	R43, R50/53	141517-21-7
Fatty alcohol polyglycol ether	>1.00 - <25.00%	Xn	R22, R41	61791-13-7

For the full text of the R phrases mentioned in this Section, see Section 16.

PRODUCT SAFETY DATA SHEET: MASCOT FUSION

4. FIRST AID MEASURES:

General advice

Move out of dangerous area. Remove contaminated clothing immediately and dispose of safely. Place and transport victim in stable position (lying sideways).

Ingestion: Do NOT induce vomiting. Call a physician or poison control centre immediately. Rinse mouth.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

Skin Contact: Wash off thoroughly with plenty of water and soap, if available with polyethylene glycol 400, subsequently rinsed with water.

Inhalation: Call a physician or poison control centre immediately. Move to fresh air. Keep patient warm and at rest.

Note to Physician: Treatment

Treat symptomatically.

5. FIRE FIGHTING MEASURES:

Suitable Extinguishing Media:

Water spray.

Carbon dioxide (CO₂).

Foam.

Sand.

Specific Hazards during Fire Fighting :

In the event of fire the following can be released:

Hydrogen cyanide (hydrocyanic acid)

Hydrogen fluoride (HF)

Carbon Monoxide (CO)

Nitrogen oxides (NO_x)

Special Protective Equipment for Fire-Fighters: In the event of fire and/or explosion do not breathe fumes. Use breathing apparatus.

Additional Information: Contain the spread of the fire-fighting media. Do not allow run-off from fire fighting to enter drains or water courses.

PRODUCT SAFETY DATA SHEET: MASCOT FUSION

6. ACCIDENTAL RELEASE MEASURES:

Personal Precautions: Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment.

Environmental Precautions: Do not allow to get into surface water, drains and ground water. If spillage enters drains leading to sewage works inform local water company immediately. If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807 060).

Methods of Cleaning Up: Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations. Sweep up or vacuum spillage and collect in suitable container for disposal.

Additional Advice: Information regarding personal protective equipment, see section 8. Information regarding waste disposal, see Section 13.

7. HANDLING & STORAGE:

Handling: Advice on protection against fire and explosion. Keep away from heat and sources of ignition.

Storage: Requirements for storage areas and containers. Keep containers tightly closed in a dry, cool and well-ventilated place.

Storage Stability:

Storage Temperature: >5 – 40 °C

Suitable Materials: HDPE (high density polyethylene)

PRODUCT SAFETY DATA SHEET: MASCOT FUSION

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:		
Refer to COSHH Assessment (Control of Substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practical. Refer also to COSHH Essentials.		
Components with Workplace Control Parameters:		
Components	CAS-N0	Control Parameters
Tebuconazole	107354-96-3	0.2mg/m ³
Trifloxystrobin	141517-21-7	2.7mg/m ³
Personal Protective Equipment: In normal use and handling conditions please refer to the label and/or leaflet. In all other cases following recommendations would apply.		
Respiratory Protection: No respiratory protective equipment normally required. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonable practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.		
Hand/Skin Protection: Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0.40mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet.		
Eye/Face Protection: Wear goggles conforming to EN166 (Field of Use 5 or equivalent).		
Skin and Body Protection: Wear standard coverall and type 3 suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.		
Hygiene measures: Avoid contact with skin, eyes and clothing. Keep working clothes separately. Wash hands immediately after work, if necessary take a shower. Remove soiled and/or soaked clothing immediately and clean thoroughly before using again. Garments that cannot be cleaned must be destroyed (burnt).		

9. PHYSICAL AND CHEMICAL PROPERTIES:
Appearance: suspension
Colour: white
Odour: slight, specific odour
Safety Data:
pH: 6-8 at 100% (20 ⁰ C)
Flash point: >100 ⁰ C
No flash point: -Determination conducted up to the boiling point.
Autoignition Temperature: 100 ⁰ C
Density: approx 1.1 g/cm ³ at 20 ⁰ C
Viscosity, dynamic: 0.12 Pas at 40 ⁰ C
Viscosity, kinematic: <0.001 mm ² /s at 40 ⁰ C
Surface tension: 34.5mN/m
Explosivity: Not explosive

PRODUCT SAFETY DATA SHEET: MASCOT FUSION

10. STABILITY AND REACTIVITY:

Conditions to avoid: Extremes of temperature and direct sunlight.

Hazardous Reactions: No hazardous reactions when stored and handled according to prescribed instructions. Stable under recommended storage conditions.

11. TOXICOLOGICAL INFORMATION:

Acute Oral Toxicity; LD50 (rat) 2,500 mg/kg.

Acute Dermal Toxicity: LD50 (rat) >2,000 mg/ml.

Exposure Time: 4h

Highest Attainable Concentration: Determined in the form of a respirable aerosol.

Acute Dermal Toxicity LD50 (rat): >4,000mg/kg

Skin Irritation: No skin irritation. (rabbit).

Eye Irritation: Slight irritant effect – does not require labelling. (rabbit).

Sensitization: Non-sensitizing. (guinea pig). OECD Test Guideline 406, Magnusson & Kligman test.

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects

Toxicity to Fish: LC50 (Rainbow trout (*Oncorhynchus mykiss*)) 0.286 mg/l. Exposure time: 96h.

Toxicity to Daphnia: EC50 (Water flea (*Daphnia magna*)) 0.224 mg/l. Exposure time: 48h.

Toxicity to algae: EC50 (*Pseudokirchneriella subcapitata*) 0.99 mg/l. Growth rate Exposure time: 72h.

13. DISPOSAL CONSIDERATIONS:

Product: In accordance with current regulations may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority. Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK).

Contaminated Packaging:

Small containers (< 10 l or < 10 kg) should be rinsed thoroughly using an integrated pressure rinsing device, or, by manually rinsing three times. Add washings to sprayer at time of filling. Dispose of empty and cleaned packaging safely. Large containers >25 l or >25 kg) should not be rinsed or re-used for any other purpose. Return large containers to supplier. Follow advice on product label and/or leaflet.

Waste Key for the Unused Product: 020108 agrochemical waste containing dangerous substances.

PRODUCT SAFETY DATA SHEET: MASCOT FUSION

14. TRANSPORT INFORMATION ADR/RID/ADNR

UN-No: 3082

Labels: 9

Packaging Group: III

Hazard No: 90

Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TEBUCONAZOLE, TRIFLOXYSTROBIN SOLUTION)

IMDG

UN-No: 3082

Class: 9

Packaging Group: III

EmS F-A, S-F

Packaging Group: III

Marine Pollutant. Marine Pollutant.

Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TEBUCONAZOLE, TRIFLOXYSTROBIN SOLUTION)

IATA

UN-No 3082

Class: 9

Packaging group: III

Description of the goods: UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TEBUCONAZOLE, TRIFLOXYSTROBIN SOLUTION)

UK "Carriage" Regulations

UN No: 3082

Labels: 9

Packaging group: III

Hazard No: 90

Emergency Action Code: 2Z

Description of the goods: UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TEBUCONAZOLE, TRIFLOXYSTROBIN SOLUTION)

PRODUCT SAFETY DATA SHEET: MASCOT FUSION

15. REGULATORY INFORMATION

This product has been classified in accordance with The Chemicals (Hazard Information and Packaging for Supply) regulations 2002: CHIP3 and any subsequent amendments. Classification:

Labelling according to EEC Directive

Hazardous components which must be listed on the label:

Tebuconazole.

Trifloxystrobin

Symbol(s):

Xn - Harmful

N- Dangerous for the environment.

R-Phrase(s):

R37- Irritating to respiratory system.

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

R63 – Possible risk of harm to the unborn child.

S-Phrase(s):

S23- Do not breathe spray.

S35- This material and its container must be disposed of in a safe way.

S36/37- Wear suitable protective clothing and gloves.

S57- Use appropriate container to avoid environmental contamination.

Exceptional labelling:

To avoid risks to man and the environment, comply with the instructions for use. Contains trifloxystrobin. May produce an allergic reaction.

Further information:

WHO-classification- III (Slightly hazardous).

16. OTHER INFORMATION:

Further Information:

Text of R phrases mentioned in Section 2:

R22 – Harmful if swallowed.

R41 – Risk of serious damage to eyes.

R43 – May cause sensitization by skin contact.

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

R51/53 – Toxic to aquatic organisms, may cause long-term effects in the aquatic environment.

R63 – Possible risk or harm to the unborn child.

The above information is intended to give general health and safety guidance on the storage and transport of the product. It is not intended to apply the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licences, consents or approvals complied with. The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

The information provided in this safety data sheet is accurate at the time of publication and will be updated as and when appropriate. No liability will be accepted for any injury, loss or damage resulting from any failure to take account of the information or advice contained in this safety data sheet. Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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