

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY

Product name – Tairtel

MAPP – 07767

Use – Fungicide

Formulation type – Wettable powder

Supplier – Sipcam UK Limited, 3 The Barn, 27 Kneesworth Street, Royston, Herts SG8 5AB

Emergency phone no – Office 01763 212100

2. COMPOSITION/INFORMATION ON INGREDIENTS

Common name – Mancozeb

CAS/EC no – 8018-01-7, 006-076-00-1

Hazard Symbol – Xi

R phrases – R37, R43

Conc^a – 68%

Common name – Benalaxyl

CAS/EC no – 71626-11-4

Hazard Symbol – N

R phrases – R50/R53

Conc^a – 8%

3. HAZARDS IDENTIFICATION

Critical Hazard to man – IRRITATING TO EYES & RESPIRATORY SYSTEM. MAY CAUSE SENSITISATION BY SKIN CONTACT.

Critical Hazard to environment – Very Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

General advice – Remove from source of exposure.

Remove all contaminated clothing and wash affected area.

Inhalation – Remove the individual from exposure to this product and keep well ventilated with fresh air. Keep at rest. If necessary and if breathing stops, give artificial respiration. Seek medical attention.

Skin contact – Remove contaminated clothing immediately.

Wash affected area thoroughly with soap and water.

Rinse with more water. Seek medical attention.

Eye contact – Rinse immediately with plenty of water for at least 15 minutes and then seek medical attention.

Ingestion – If swallowed, seek medical attention immediately.

Poisoning symptoms – Symptoms may not be apparent immediately but may occur after a few hours, maintain under medical supervision for at least 48 hours.

Treatment – No Specific antidote. Treat Symptomatically and Supportive.

Consult a Poisons Centre such as;

0171 635 9191 (National Poisons Information Service - London)

(AUTHORISED MEDICAL PRACTITIONERS ONLY)

5. FIRE FIGHTING MEASURES

Suitable extinguishing media – Fight fire with CO₂, dry chemical powder, foam or water spray (in preference to water jet).

Specific hazards – Combustion may generate toxic fumes containing HCL, CO and NO₂. Under certain fire conditions traces of other toxic gases cannot be excluded.

Protective equipment – Wear self-contained breathing apparatus (SCBA).

Specific Methods – Cool containers with spray. Contain fire-fighting water, bunding if necessary with sand, earth, or other inert material.

6. ACCIDENTAL RELEASE MEASURES

Personal Protective Equipment – Wear protective coveralls, neoprene gloves, rubber boots and faceshield or goggles, covering as much of the body as possible (see section 8).

Environmental Protection – DANGEROUS TO FISH OR AQUATIC LIFE. Do not contaminate surface water or ditches with chemical or used container.

Inform local water plc immediately if spillage enters drains and the National Rivers Authority (England and Wales) or River Purification Boards (Scotland), if it enters surface or ground waters.

Clean up Methods – Contain or absorb spillage, sweep up carefully and shovel sweepings into marked bags or drums. Dispose of through a reputable local waste disposal contractor.

7. HANDLING AND STORAGE

Handling

Use Personal Protective Clothing as specified in Section 8.

Avoid fumes – work in a well ventilated area.

Storage

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

KEEP CONTAINER DRY.

KEEP AWAY FROM FOOD DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN.

Other

WHEN USING, DO NOT EAT, DRINK OR SMOKE.

WASH SPLASHES from skin or eyes immediately.

AVOID ALL CONTACT BY MOUTH, WITH SKIN AND EYES.

DO NOT BREATHE DUST.

WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking and after work.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits – Mancozeb 70-80% TWA 5 mg/m³.

Engineering measures – Use a cab fitted with a forced air filtration unit with a pesticide filter if possible when spraying.

Personal Protective Equipment

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES* AND FACE PROTECTION (FACESHIELD) when handling the concentrate. (*neoprene or nitrile at least 0.6mm thick).

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.

Where PPE cannot be cleaned, dispose of as contaminated waste.

9. PHYSICAL AND CHEMICAL PROPERTIES

State – Powder

Density – 400 g/l approx

Colour – Yellowish

Odour – Light, characteristic

pH (5% in water) – 7

Explosive properties – Not explosive

Flammability – Not highly Flammable

Vapour pressure (ai) – benalaxyl 0.67 Pa 20°C

– mancozeb - negligible

Melting point (ai) – benalaxyl 88 - 80°C

– mancozeb decomposes at 194-204°C

Solubility in water (ai) – benalaxyl 37 mg/l

– mancozeb insoluble

10. REACTIVITY AND STABILITY

Stability – Stable under normal ambient conditions. Non-flammable and non-corrosive.

11. TOXICOLOGICAL INFORMATION

Acute oral LD₅₀ (rat) – >4,700 mg/kg

Acute dermal LD₅₀ (rat) – >4,000 mg/kg

Acute inhalation LC₅₀ (4h, rat) – >5.14 mg/l/4h

Irritation to Skin – Irritant

Irritation to eye – Irritant

Sensitisation – May cause sensitisation by skin contact

12. ECOLOGICAL INFORMATION

Mobility

Koc benalaxyl 2278-7173 mancozeb >2000 (virtually immobile)

Ecotoxicity (ai)

Rainbow Trout LC₅₀ benalaxyl 3.75 mg/l (96hr)

LC₅₀ mancozeb 2.2 mg/l (96hr)

Bees contact LD₅₀ benalaxyl >100 ug/bee

LD₅₀ mancozeb 0.913 mg/bee

13. DISPOSAL

Contact Local Authority (Environmental Health Department) or a reputable waste disposal company for collection and disposal of unwanted product or containers.

For further guidance on the disposal of containers, surplus spray solution, tank washings and concentrate, refer to Part 5 (Disposal of Pesticide Waste) of the MAFF/HSE booklet "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings".

14. TRANSPORT

UN Number – 3077

Packaging Group – III

Marine Pollutant – A12 "P"

ADR/RID Classification – 9, III

IMDG/IMO Classification – 9, F-A, S-F, 9 + Marine Pollutant

Proper shipping name – ENVIRONMENTALLY HAZARDOUS SUBSTANCE. SOLID N.O.S (contains benalaxyl 8%, mancozeb 65%).

15. REGULATORY INFORMATION

Hazard Symbol – Xi Irritant.

– N, Dangerous for the environment.

Risk Phrases (R) – R36/37 Irritating to eyes and respiratory system.

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 (S) – S2 Keep out of the reach of children.

S8 Keep container dry.

S24/S25 Avoid contact with skin and eyes.

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

S36/37 Wear suitable protective clothing and gloves.

S46 If swallowed seek medical advice immediately and show this container or label.

S57 Use appropriate containment to avoid environmental contamination.

16. OTHER INFORMATION

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

Packaging – 1 kg water soluble pack, 5 kgs bag, 10 kgs bag.

Container – Outer - 10x1 kg.

Approval number – MAFF 07767