

April COMBI™

MATERIAL SAFETY DATA SHEET

SECTION 1 Chemical product and Company identification

Product Name: April Combi™ (Spiroxamine25%+ Tebuconazole 13.3% EW)

Chemical name:

Spiroxamine: 8-*tert*-butyl-1,4-dioxaspiro[4.5]decan-2-ylmethyl(ethyl)(propyl)amine

Tebuconazole: (*RS*)-1-*p*-chlorophenyl-4,4-dimethyl-3-(1*H*-1,2,4-triazol-1-ylmethyl)pentan-3-ol

Formula:

Spiroxamine: C₁₈H₃₅NO₂

Tebuconazole: C₁₆H₂₂ClN₃O

Product Use: Commercial Fungicide

Supplier: SINERIA HOLLAND BV

Randwycksingel 20-A015

6229 EE Maastricht The Netherlands

www.sineria.com

SECTION 2 Composition/Information on Ingredients

<u>Product Name</u>	<u>Quantity (%)</u>	<u>CAS RN</u>
Spiroxamine	25%	118134-30-8
Tebuconazole	13.3%	107534-96-3

SECTION 3 Hazards Identification

Emergency overview: Risk advice to man and the environment

- Harmful by inhalation, in contact with skin and if swallowed.
- Causes burns
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Possible risk of harm to the unborn child.



SECTION 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).

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

Skin contact: Wash off immediately with soap and plenty of water. Call a physician or poison control center immediately.

Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Call a physician or poison control center immediately.

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

Notes to Physician – Treatment: Treat symptomatically. Gastric lavage, then charcoal (carbo medicalis) and sodium sulfate.

SECTION 5 Fire Fighting Measures

Suitable extinguish media: Dry chemical, carbon dioxide, foam, sand and water spray.

Fire fighting instructions: As in any fire, wear self-contained breathing apparatus pressure-demand and full protection gear. Keep upwind. Isolate hazard area. Avoid inhalation of smoke, fumes and breathing vapors. Use water or foam to reduce fumes. Do not touch spilled material. If possible, move containers from area.

Specific hazards during fire-fighting: In the event of fire the following can be released

- nitrous gases (NO_x)
- hydrogen cyanide (hydrocyanic acid)
- carbon monoxide (CO)
- hydrogen chloride (HCl)

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

SECTION 6 Accidental release measures

General and disposal: Use proper protective equipment to minimize personal exposure. Take all necessary action to prevent and to remedy the effects of the spill. Ensure that the disposal is in compliance with regulations.

Personal Precautions: Avoid contact with spilled product or contaminated surfaces. Wear personal protective equipment. Unprotected persons must be kept away. Keep away sources of ignition.

Environmental Precautions: Do not discharge into the drains/surface water/groundwater.



Methods for Cleaning Up: Take up with absorbent material (e.g. sand, diatomaceous earth or a proprietary absorbent material). Clean contaminated floors and objects thoroughly, observing environmental regulations. Keep in suitable, closed containers for disposal.

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

SECTION 7 Handling and storage

Handling: Avoid contact with eyes or clothing. Do not use near heat or open fire.

Users Should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Storage: Store in a cool, dry and well ventilated place out of reach of children. Keep product in the original container tightly closed. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

SECTION 8 Exposure controls/Personal protection

Eye and face protections: Safety glasses, splash goggles or face-shield.

Skin protections: Long-sleeved shirt and long pants waterproof gloves chemical-resistant footwear. Wash contaminated skin promptly. Launder contaminated clothing and clean protective equipment before reuse. Wash hand thoroughly after handling.

Respiratory protection: Ensure adequate ventilation. If not adequate, use a chemical type respirator, preferably Full mask with Multi-range filter ABEK/P2.

SECTION 9 Physical & Chemical properties

Appearance: Light brown, clear to slightly turbid liquid

Odour: Aromatic

Flash point: > 125 °C

DIN and ISO: 2719 (2003-09)

Density: ca. 0,97 g/cm³ at 20 °C

Water solubility: Emulsifiable

SECTION 10 Stability & Reactivity

Stability: Stable under normal condition. No hazardous reactions are expected when stored and handled according to prescribed instructions.

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SECTION 11 Toxicological Information

Acute Toxicity /Irritation Studies

Ingestion: Acute oral LD₅₀ >5000mg/kg

Inhalation: Acute inhalation LD₅₀ 5.18mg/l (Rat – 4hr)

Dermal: Acute dermal LD₅₀ (Rat) >5000 mg/kg

Eye Contact: Non Irritating (Rabbit)

Skin Contact: Non irritating (Rabbit)

Skin Sensitization: Not a sensitizer (Guinea Pig)

SECTION 12 Ecological Information

Toxicity to Daphnia: EC₅₀ for Water flea (*Daphnia magna*) 17.5 mg/l (48hr)

Toxicity to Fish: LC₅₀ (96h) for Rainbow trout > 0.40 mg/l (96hr)

Toxicity to Algae: EC₅₀ for Algae (*Desmodesmus subspicatus*) >0.72 mg/l (72hr)

SECTION 13 Disposal Considerations

- Do not contaminate water, food, or feed by disposal. Empty containers should be triple rinsed into the spray tank during operation. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incinerating, or if allowed, by burning. If burned, stay out of smoke.
 - 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.
 - Waste key for the unused product: 020108 agrochemical waste containing dangerous substances
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SECTION 14 Transport Information

ADR/RID/ADNR:

- UN-No 2922,
- Labels 8 (6.1)
- Packaging group III
- Hazard no. 86 (Description of the goods UN 2922 CORROSIVE LIQUID, TOXIC, N.O.S. - SPIROXAMINE, TEBUCONAZOLE, DIMETHYLCAPRAMIDE SOLUTION)

IMDG:

- UN-No 2922



- Class 8
- Packaging group III
- EmS F-A , S-B (Description of the goods CORROSIVE LIQUID, TOXIC, N.O.S. - (SPIROXAMINE, TEBUCONAZOLE, DIMETHYLCAPRAMIDE SOLUTION)

IATA:

- UN-No 2922
- Class 8
- Packaging group III (Description of the goods CORROSIVE LIQUID, TOXIC, N.O.S. - (SPIROXAMINE, TEBUCONAZOLE, DIMETHYLCAPRAMIDE SOLUTION)

SECTION 15 Regulatory Information

- Xn: Harmful
- Xi: Irritant
- N: Dangerous for the environment

SECTION 16 Other Information

The information contained in the Material Safety Data Sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for with other materials or in processes other than those specifically described herein.

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