

Swift 500SC™

MATERIAL SAFETY DATA SHEET

SECTION 1 Chemical product and Company identification

Product Name: Swift 500SC™ (Carebndazim)

Chemical name: 3-(3,5-dichlorophenyl)-N-isopropyl-2,4-dioximidazolidine-1-carboxamide

Formula: C₉H₉N₃O₂

Chemical Family: Benzimidazole

Product Use: Commercial Fungicide

Supplier: SINERIA HOLLAND BV

Randwycksingel 20-A015

6229 EE Maastricht The Netherlands

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SECTION 2 Composition/Information on Ingredients

<u>Product Name</u>	<u>Quantity</u>	<u>CAS RN</u>
Carbendazim	500 gr/lt	10605-21-7

SECTION 3 Hazards Identification

WHO Classification: Unlikely to present acute hazard in normal use

Acute

Swallowed: The acute toxicity of this product is low, but it may be harmful if a large amount is swallowed.

Eye: May be an eye irritant

Skin: May irritate skin. The dermal toxicity of this product is low. However, skin contact should be avoided. This product is not a skin sensitiser.

Inhalation: May be a slight respiratory irritant.

Chronic

Conflicting negative and positive results in mutagenicity and carcinogenicity studies are inconclusive. Carbendazim is classified as a Category 3 Mutagen, i.e. insufficient evidence to classify as a mutagen. Studies indicate that reproductive and teratogenic effects in humans are unlikely at expected exposure levels.



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). Contact a doctor or Poisons Information Centre. Have the label or this MSDS available.

Skin Contact: In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. Remove contaminated clothing and launder before reuse.

Eyes Contact: In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

Ingestion: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

Inhalation: If inhaled, remove to fresh air and keep at rest. Obtain medical advice if at all worried.

Advice to Doctor

The following symptoms may occur:

- *Local* – slight skin and eye irritation.
- *Systemic* – none documented over many years' experience. For local contamination treatment should be symptomatic after decontamination. In case of skin or eye contamination, treat as documented under "First Aid".

If a large amount of this product is ingested the following measures should be considered:

- Induction of vomiting if the patient is fully conscious and it is less than 30 minutes since ingestion.
- Monitor blood count.
- Gastric lavage
- Charcoal administration
- Anticonvulsant therapy is not appropriate.
- There is no specific antidote for poisoning with carbendazim. Recovery is expected to be spontaneous. Carbendazim is very rapidly absorbed and eliminated from the body. Carbendazim is NOT a cholinesterase inhibitor.

SECTION 5 Fire Fighting Measures

Flammable limits: Not flammable

Extinguishing Media: Waterspray, foam, dry agent, carbon dioxide

Special Fire Fighting Procedures: Fire-fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). If possible and without risk, remove intact containers from exposure to fire. Otherwise, spray unopened containers with water to keep cool. Contain fire-fighting water

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by bounding area with sand or earth to prevent it entering any bodies of water. Dispose of fire control water or other extinguishing agent and spillage later.

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.
- Avoid contact with the spilled material or contaminated surfaces.
- When dealing with spills do not eat, drink or smoke and wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section. Prevent spilled material from entering drains or watercourses. Contain spill and absorb with earth, sand, clay, or other absorbent material. Collect and store in properly labeled, sealed drums for safe disposal. Deal with all spillages immediately. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.
- Neutralising chemicals are not required.

SECTION 7 Handling and storage

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

Corrosivity Hazards: None known

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. Store below 40° C and protect from frost.

SECTION 8 Exposure controls/Personal protection

Exposure Standards: No exposure standard has been assigned for the product or its ingredients.

Engineering Controls: Control process conditions to avoid contact. Use local exhaust ventilation during manufacture. Use in a well-ventilated area only.

Personal Protection: To avoid eye and skin contact, wearing the following personal protective clothing and equipment is recommended:

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- *Eyes*: Safety goggles or face shield
- *Clothing*: Cotton overalls buttoned to the neck and wrist and a washable hat
- *Gloves*: Elbow length PVC gloves
- *Respiratory*: Respiratory protection not normally required. If airborne concentrations are likely to exceed the exposure standard above, an AS/NZS 1715/1716 approved respirator should be worn.
- *Other*: After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, goggles or face shield and contaminated clothing.

SECTION 9 Physical & Chemical properties

Appearance: Viscous white suspension with negligible odour

Boiling point: Greater than 1000°C

Specific Gravity: 1.146 at 20°C

Flashpoint: Non flammable

Solubility in Water: Forms a suspension

Formulation: Suspension concentrate

SECTION 10 Stability & Reactivity

Stability: Stable under normal conditions of use

Reactivity: Incompatible with alkaline materials

Conditions to avoid: Oxides of carbon and nitrogen may be given off when exposed to extreme heat or fire.

SECTION 11 Toxicological Information

Acute Toxicity /Irritation Studies

Ingestion: Acute oral LD₅₀ >5000 mg/kg (Rats)

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

Eye Contact: Slightly Irritating (Rabbit)

Skin Contact: Slightly Irritating (Rabbit)

Skin Sensitization: Non sensitizing (Guinea pigs)



SECTION 12 Ecological Information

- Toxic to aquatic organisms. Low hazard to birds.
- Do not contaminate streams, rivers or waterways with the chemical or used containers.

Fish: LC₅₀ (96h) for Carp 0.61 mg/lit; for Rainbow Trout 0.83 mg/lit; for Bluegill Sunfish >17.25 mg/lit

Daphnia: LC₅₀ (96h) 0.22 mg/L.

Bird: Oral LC50 for Quail 5826-15595mg/kg

SECTION 13 Disposal Considerations

- Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.
 - Dispose of waste product through a reputable waste contractor.
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SECTION 14 Transport Information

Transport: Not classified as a dangerous good

UN number: 3077

SECTION 15 Regulatory Information

- Xn: Harmful
 - N: Dangerous for the environment
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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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