

SAFETY DATA SHEET

Product: Spannit Granules

Issued: 29/03/04
Revision No: 03
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1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY/UNDERTAKING.

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Product name: SPANNIT GRANULES

Description/use of product: A granule containing 6% w/w chlorpyrifos for the control of cabbage root fly in transplanted cabbage, broccoli / calabrese and cauliflower.

2. COMPOSITION/INFORMATION ON INGREDIENTS.

Hazardous ingredients	Concentration	Symbol	Risk phrases	CAS No.	EC No.
Chlorpyrifos	6 %w/w	T, N	R24/25, R50/53	2921-88-2	220-864-4
Cyclohexanone	4 %w/w	Xn	R10, R20	108-94-1	

3. HAZARDS IDENTIFICATION.

Harmful in contact with skin and if swallowed.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES.

- Inhalation: Remove patient to fresh air and keep at rest and under observation. Treat symptomatically.
- Skin contact: Remove all contaminated clothing immediately (do not re-use until laundered). Wash affected area(s) with soap and plenty of water. thoroughly for 15 minutes. Take patient to a hospital having an Accident and Emergency Department immediately. If the patients breathing weakens / stops apply assisted breathing / artificial respiration immediately.
- Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes, holding the eyelids open if necessary. If irritation develops convey to a hospital Accident/Emergency Department. Take patient to a hospital having an Accident and Emergency Department immediately.
- Ingestion: Stop the patient from working. Take patient away from workplace. Remove all protective clothing. Keep at rest and under observation. DO NOT INDUCE VOMITING. DO NOT GIVE EMETICS. Take patient to a hospital having an Accident and Emergency Department immediately. Inform the hospital of the product involved and where possible show the product label. If the patients breathing weakens / stops apply assisted breathing / artificial respiration immediately.
- Guide to doctor: Symptoms of poisoning include excessive sweating, headache, weakness, faintness and giddiness, nausea, stomach pains, vomiting, small pupils, blurred vision, muscle twitching. This product contains an anticholinesterase organophosphorus compound. **Specific treatment:** IN ALL CASES AND AS EARLY AS POSSIBLE inject atropine sulphate 2mg or pro rata for children and repeat (if necessary) until full atropinised. IF AVAILABLE administer pralidoxime 1 gramme by intra-muscular injection. Repeat after 3-4 hours. **Other measures** Keep airway clean. Watch respiration - intubation with endotracheal tube, or tracheotomy may be necessary in conjunction with artificial ventilation. Put patient at complete rest in hospital for 24 hours at least. **Confirmation of diagnosis** By estimating cholinesterase activity (5ml blood, unhaemolysed, collected in an anticoagulant).

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5. FIRE FIGHTING MEASURES.

- Extinguishing media: Carbon dioxide, dry chemical powder, foam or water spray.
- Special hazards: Will not burn but highly toxic fumes may be evolved if involved in a fire.
- Protective equipment: Self-contained breathing apparatus and protective clothing.
- Specific fighting measures: Evacuate personnel to a safe area. Keep personnel away from and upwind of fire. Wear self-contained breathing apparatus. Wear full protective equipment. Use water spray. Runoff from fire control may be a pollution hazard. Cool tank/container with water spray.

6. ACCIDENTAL RELEASE MEASURES.

- Precautions: Prevent from entering watercourses or drains. Inform local water plc if spillage enters drains and the Environmental Agency (England & Wales), the Scottish Environmental Protection Agency (Scotland) or the Environmental and Heritage service (Northern Ireland) if the product enters surface or ground waters. Keep people and animals away.
- Protective equipment: Full breathing apparatus.
- Containment: Sweep into suitable container and store in a safe place until disposal.
- Disposal: Dispose of contaminated materials as advised in the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings".

7. HANDLING AND STORAGE.

- Handling: Avoid breathing vapours or dust. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling.
- Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.
- 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 secure, cool, dry, well-ventilated place away from food, drink and animal feeding stuffs.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.

UK occupational exposure standard: Chlorpyrifos 8 hour TWA $0.2\text{mg}/\text{m}^3$, 10 minutes $0.6\text{mg}/\text{m}^3$

- Precautions: Chlorpyrifos is an anticholinesterase organophosphorus compound. Do not use if under medical advice not to work with such compounds. Wear rubber gloves when handling the granules. Wash gloves after use, especially the insides. Wash hands and exposed skin before meals and after work. Keep out of reach of children.
- Dangerous to fish or other aquatic life. Do not contaminate surface waters or ditches with chemical or used container. Keep in original container, tightly closed, in a safe place. Empty container completely and dispose of safely. Do not harvest crops for human or animal consumption for at least 6 weeks after last application.

9. PHYSICAL AND CHEMICAL PROPERTIES.

- Appearance: Brown, free flowing granules.
- Density: 0.95 g/ml
- Analysis: 6 %w/w chlorpyrifos.

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10. STABILITY AND REACTIVITY.

Stability: Stable under normal conditions.
Conditions to avoid: Extreme temperatures.
Hazardous decomposition products: Highly toxic fumes if involved in a fire.
Materials to avoid: None specific

11. TOXICOLOGICAL INFORMATION.

Acute oral LD₅₀: 2250 mg/kg (rat)
Skin irritation: Non-irritant.
Eye irritation: Non-irritant.
Skin sensitization: Non-sensitising.
Irritancy respiratory system: Non-irritant.
Chronic effects: None known.

12. ECOLOGICAL INFORMATION.

Harmful to fish or other aquatic life. Do not contaminate surface waters or ditches with chemical or used container.

Mobility: Miscible with water.
Persistence and degradability: Moderately persistent and biodegradable.
Bioaccumulation potential: None know.

13. DISPOSAL CONSIDERATIONS.

Follow the guidance on the disposal of pesticides as given in the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings".

14. TRANSPORT INFORMATION.

UN No: 3077
Packing group: III

ROAD/RAIL

ADR/RID Class: 9
Haz ID: 90
Proper shipping name: Environmentally hazardous substance, solid, N.O.S. (contains 6%w/w chlorpyrifos and cyclohexanone).

SEA

IMDG Class: 9
Proper shipping name: Environmentally hazardous substance, solid, N.O.S. (contains 6%w/w chlorpyrifos and cyclohexanone). Marine Pollutant.

AIR

ICAO/IATA Class: 9
Proper shipping name: Environmentally hazardous substance, solid, N.O.S. (contains 6%w/w chlorpyrifos and cyclohexanone). Marine Pollutant.

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15. REGULATORY INFORMATION.

Spannit Granules is approved under the "Control of Pesticides Regulations 1986" (MAPP 10935) and labelled accordingly.

Spannit Granules is classified according to the "Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP3). The following apply:

Symbol: Xn, N



HARMFUL



DANGEROUS FOR
THE ENVIRONMENT

Risk phrases: Harmful in contact with skin and if swallowed.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: Wear suitable protective clothing and gloves.
This material and its container must be disposed of in a safe way.
Use appropriate containment to avoid environmental contamination.

16. OTHER INFORMATION.

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification, since the conditions of the operations mentioned are beyond our control. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text. SumiAgro disclaims any liability for loss or damage resulting from the use of these data, information or suggestions.