



MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

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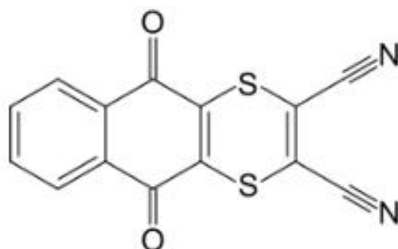
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1. Chemical Product Identification

Product Name: Dithianon 70% WDG

Molecular Formula: C₁₄H₄N₂O₂S₂

Structural Formula:



Molecular Weight: 296.32

Chemical Name (IUPAC): 5,10-dihydro-5,10-dioxonahth[2,3b]-1,4-dithiin-2,3-dicarboitrile

Form: Granule

Colour: Brown

2. Composition / Information On Ingredients

Composition	CAS No.	Content
Dithianon	3347-22-6	70%
others	---	30%

3. Hazards Identification

Swallowed: Poisonous if swallowed.

Eye: Will damage the eyes.



Skin: Will irritate the skin; repeated exposure may cause allergic disorders.

Inhaled: Can cause irritation to nose, throat and lungs.

4. First Aid Measures

Eye: Hold eyes open, flood with water for 15 minutes, and see a doctor.

Skin: Remove contaminated clothing and wash contaminated skin thoroughly with soap and water.

Inhaled: Seek medical advice.

Advice to doctor: It is an irritant and skin, eye and inhalation exposure must be avoided. In case of severe irritation treat symptomatically.

5. Fire-Fighting Measures

Extinguishing media: Dry powder, CO2 or foam.

Special exposure hazards: May emit toxic fumes in a fire.

Protective equipment: Wear full protective clothing and self-contained breathing apparatus.

Special precautions: Confine the use of water to the cooling of unaffected stock, thus avoiding the risk of accumulation of polluted run-off from the site.

6. Accidental Release Measures

Personal precautions : Wear recommended personal protective equipment.

Environmental precautions : Prevent entry to sewers and public waters.

After spillage and/or leakage : Avoid dust production. Take up large spills with pump or vacuum and finish with dry chemical absorbent. Use suitable disposal containers.

7. Handling And Storage

Safe handling advice: avoid contact with skin and eyes. Do not breathe dust. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.

Requirements for storage rooms: keep away from food, drink and animal feeding stuffs.

Keep only in the original container in a cool, well ventilated place.

Additional information: read the label before use.

8. Exposure Controls / Personal Protection

Poisonous if swallowed. Harmful if inhaled. Will damage the eyes. Will irritate the skin.



Avoid contact with eyes and skin. Do not inhale dust. Repeated exposure may cause allergic disorders. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow-length PVC gloves. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. 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 and contaminated clothing.

9. Physical And Chemical Properties

Appearance: Brown granule

Water content: $\leq 3.0\%$

Suspensibility: $\geq 80\%$

Fineness(through 44 μm): $\geq 98\%$

PH: 5.0-8.0

Disintegrating time: $\leq 150\text{s}$

10. Stability And Reactivity

Stability: Stable at normal temperatures and pressures.

Incompatibilities: Incompatible with petroleum oils, alkaline materials, and sulfur-containing compounds.

Hazardous decomposition products: Thermal decomposition generates: hydrogen cyanide , carbon monoxide , nitrogen oxides.

11. Toxicological Information

Acute oral LD50 for rats: 300 a.i.mg/kg

Acute dermal LD50 for rats: >2000 a.i.mg/kg

Acute inhalation toxicity LC50 (4h) for rats: 0.31 a.i.mg/l

Skin irritation: Non-irritating to rabbits

Eye irritation: Highly irritating to rabbits

Skin Sensitization: not a Sensitizer (Guinea Pig)

12. Ecological And Ecotoxicological Information



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Effects on bees:

Oral acute 48 hour LD50 is >25.4 a.i.µg/bee, contact acute 48 hour LD50 is >100 a.i.µg/bee

Effects on fish:

Acute 96 hour LC50 for Rainbow trout is 0.07 a.i.mg/l.

Effect on aquatic invertebrates:

Acute 48 hour EC50 for Daphnia magna is 0.26 a.i.mg/l

Effects on birds:

Acute oral LD50 for Bobwhite quail is 309 a.i.mg/kg

Effect on algal:

Acute 72 hour EC50 is 0.09 a.i.mg/l

13. Disposal Considerations

Disposal: When not empty dispose of this container at hazardous or special waste collection point. Burn in a chemical incinerator equipped with an afterburner and a scrubber.

Attention: national and/or local laws and regulations may preclude the use of this method.

Prevent entry to sewers and public waters. Avoid release to the environment.

Waste-disposal procedures: Dispose in a safe manner in accordance with local/national regulations.

14. Transport Information

Not applicable

15. Regulatory Information

Not applicable

16. Other Information

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product.



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If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.