



Dithianon WG



MAPP 12538

A water dispersible granule containing 70% w/w dithianon.

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

5 kg

SAFETY PRECAUTIONS

UN 2588

Packing Group III
Environmentally hazardous
substance, Pesticide, Solid, Toxic,
N.O.S. (contains DITHIANON)
Marine pollutant

Operator protection

Spray equipment must only be used where the operator's normal working position is within a closed cab on a tractor or on a self-propelled sprayer when making air-assisted applications to apples or pears.

Other engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE GLOVES AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT*.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

However, other engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

IN CASE OF CONTACT WITH EYES, rinse immediately with plenty of water and seek medical advice.

IF SWALLOWED, seek medical advice immediately and show this container or label.

*Disposable filtering facepiece respirator to at least EN149 FFP2 or equivalent.

Environmental protection

Do not contaminate surface waters or ditches with chemical or used container.

Storage and disposal

DO NOT RE-USE CONTAINER FOR ANY OTHER PURPOSE.

THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY.

PROTECT FROM FROST.

Supplied by:

BASF plc

Crop Protection

PO Box 4, Earl Road

Cheadle Hulme, CHEADLE

Cheshire SK8 6QG

Tel: 0161 485 6222

Emergency Information:

(24 hours freephone):

0049 180 2273112

Technical Enquiries:

0845 602 2553 (office hours)



This label is compliant with the
CPA Voluntary Initiative Guidance

81071092GB1102





HARMFUL



**DANGEROUS FOR
THE ENVIRONMENT**

Dithianon WG

A water dispersible granule containing 70% w/w Dithianon.

**HARMFUL IF SWALLOWED.
RISK OF SERIOUS DAMAGE TO EYES.
LIMITED EVIDENCE OF A CARCINOGENIC EFFECT.
VERY TOXIC TO AQUATIC ORGANISMS.**

KEEP OUT OF REACH OF CHILDREN.
KEEP AWAY FROM FOOD, DRINK AND ANIMAL
FEEDING STUFFS.
WHEN USING DO NOT EAT, DRINK OR SMOKE.
IN CASE OF CONTACT WITH EYES, rinse immediately
with plenty of water and seek medical advice.
WEAR EYE/FACE PROTECTION.
THIS MATERIAL AND ITS CONTAINER MUST BE
DISPOSED OF IN A SAFE WAY.
IF SWALLOWED, seek medical advice immediately and
show this container or label.
USE APPROPRIATE CONTAINMENT TO AVOID
ENVIRONMENTAL CONTAMINATION.

**To avoid risks to man and the environment, comply
with the instructions for use**

This product is approved under the Control of Pesticides Regulations 1986

IMPORTANT INFORMATION

FOR USE ONLY AS A HORTICULTURAL FUNGICIDE, as directed below:

Crops: Apples and Pears

Maximum individual dose: 0.75 kg product/ha

Maximum Number of applications: 12 per year

Latest time of application: 4 weeks before harvest

Other Specific Restrictions

For low water volume applications, the maximum concentration must not exceed 0.75 kg product in 200 litres water.

**READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS
INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE
OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.**





DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

Dithianon WG is a fungicide containing dithianon for use on apples and pears.

1. Restrictions/Warnings

On variety Golden Delicious, do not use Dithianon WG after green cluster.

Dithianon WG must not be mixed with lime sulphur or highly alkaline products.

Do not plant sugar beet within a year of application of Scala.

2. Disease Control

Dithianon WG is a fungicide used for the control of scab on apples and pears.

Where mildew is prevalent apply Dithianon WG in conjunction with a mildew fungicide.

3. Crops

3.1. Apples and pears: Dithianon WG (applied alone)

Time of application

Apply from the beginning of bud burst.

On variety Golden Delicious, do not use Dithianon WG after green cluster.

Rate of application

Apply 0.75 kg of Dithianon WG in a minimum of 200 litres water/ha.

Interval: 7 – 14 days.

Use a 7 day interval in periods of high disease pressure. Also use a 7 day spray interval on varieties that are highly susceptible to scab infection, when carryover is high, or when crop growth is rapid.

Repeat applications until danger of scab attack ceases.

Water volumes should be based on the size of the trees and leaf area at application, and sufficient to ensure good coverage.

Number of applications

Apply a maximum of twelve applications per year.

3.2. Apples: application of Dithianon WG in mixture with Scala for improved control of apple scab

Dithianon WG is a protectant fungicide. For more robust protection during scab infection periods it is recommended to tank mix Scala with Dithianon WG. If scab infection periods have already occurred prior to application, it is recommended to apply the tank-mix as soon as practical after the infection period.

Time of application

Apply from the beginning of bud burst.

Do not apply Scala after the end of flowering.

On variety Golden Delicious, do not use Dithianon WG after green cluster.

Rate of application

Apply 0.75l/ha of Scala with 0.75 kg/ha Dithianon WG.

Interval: 7 - 10 days.

During scab infection periods apply at 7 - 10 day intervals. Use a 7 day interval during periods of high disease pressure or on varieties that are highly susceptible to scab infection.

Water volumes should be based on the size of the trees and leaf area at application, and sufficient to ensure good coverage.

Number of applications

A maximum of five applications of Scala may be made per year.

4. Mixing and Spraying

Half fill the spray tank with clean water and start agitation. Slowly add in the required amount of product. Rinse empty containers and add rinsings to the spray tank. Add the remainder of the water and continue agitation until spraying is complete.

Apply by any low or high volume orchard sprayer.

5. Incompatible Mixtures

Dithianon WG must not be mixed with lime sulphur or highly alkaline products.

Further information on compatibilities may be available. Contact your supplier or BASF plc, Crop Protection (Tel. 0845 602 2553) for up to date information.

The following does not form part of the product label under the Control of Pesticides Regulations 1986.

With many products there is a general risk of resistance developing to the active ingredients. For this reason a change in activity cannot be ruled out. It is generally impossible to predict with certainty how resistance may develop because there are so many crop- and use- connected ways of influencing this. We therefore have to exclude liability for damage or loss attributable to any such resistance that may develop. To help minimise any loss in activity the BASF recommended rate should in all events be adhered to.

Numerous, particularly regional or regionally attributable, factors can influence the activity of the product. Examples include weather and soil conditions, crop plant varieties, crop rotation, treatment times, application amounts, admixture with other products, appearance of organisms resistant to active ingredients and spraying techniques. Under particular conditions a change in activity or damage to plants cannot be ruled out. The manufacturer or supplier is therefore unable to accept any liability in such circumstances. All goods supplied by us are of high grade and we believe them to be suitable, but as we cannot exercise control over their mixing or use or the weather conditions during and after application, which may affect the performance of the material, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application or use; but nothing should be deemed to exclude or restrict any liability upon us which cannot be excluded or restricted under the provisions of the Unfair Contract Terms Act 1977 or any similar applicable law.





Section 6 of the Health and Safety at Work Act Additional Product Safety Information

The product label provides information on a specific pesticidal use of the product; do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required and that the particular use has "off-label" approval or is otherwise permitted under the Control of Pesticides Regulations.

The information on this label is based on the best available information including data from test results.

Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product identifier

DITHIANON WG

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: crop protection product, fungicide

Details of the supplier of the safety data sheet

Company: BASF SE, 67056 Ludwigshafen, GERMANY

Contact address: BASF plc, PO Box 4, Earl Road, Cheadle Hulme, Cheadle, Cheshire SK8 6QG, UNITED KINGDOM

Telephone: +44 161 485-6222

E-mail address: product-safety-north@basf.com

Emergency telephone number

International emergency number: Telephone: +49 180 2273-112

2. Hazards Identification

Label elements

According to Directive 67/548/EEC or 1999/45/EC

Classification/labelling in accordance with UK regulations. Hazard symbol(s)

Xn Harmful.
N Dangerous for the environment.



R-phrases(s)
R22 Harmful if swallowed.
R40 Limited evidence of a carcinogenic effect.
R41 Risk of serious damage to eyes.
R50 Very toxic to aquatic organisms.

S-phrases(s)
S2 Keep out of the reach of children.
S13 Keep away from food, drink and animal feeding stuffs.
S20/21 When using do not eat, drink or smoke.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S35 This material and its container must be disposed of in a safe way.
S39 Wear eye/face protection.
S46 If swallowed, seek medical advice immediately and show this container or label.
S57 Use appropriate container to avoid environmental contamination.

Hazard determining component(s) for labelling: DITHIANON

Classification of the substance or mixture

According to Directive 67/548/EEC or 1999/45/EC

Carc. Cat. 3
(as in Annex I of Directive 67/548/EEC)

Possible Hazards: Harmful if swallowed.
Limited evidence of a carcinogenic effect. Risk of serious damage to eyes.
Very toxic to aquatic organisms.

For the classifications not written out in full in this section the full text can be found in section 16.

Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

See section 12 - Results of PBT and vPvB assessment.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. Composition/Information on Ingredients

Mixtures

Chemical nature

crop protection product, fungicide, water dispersible granules
> 75 µm

Hazardous ingredients (GHS)

according to Regulation (EC) No. 1272/2008





dithianon (ISO); 5,10-dihydro-5,10-dioxonaphtho(2,3-b)(1,4)dithiazine-2,3-dicarbonitrile
Content (W/W): 70 % Acute Tox. 2 (Inhalation - dust)
CAS Number: 3347-22-6 Acute Tox. 4 (oral)
EC-Number: 222-098-6 Eye Dam./Irrit. 1
Skin Sens. 1
Carc. 2
Aquatic Acute 1
Aquatic Chronic 1
H318, H330, H302, H317, H351, H400, H410

Kaolin
Content (W/W): < 25 % Eye Dam./Irrit. 2
CAS Number: 1332-58-7 H319
EC-Number: 310-194-1

Ammonium sulphate
Content (W/W): < 25 %
CAS Number: 7783-20-2
EC-Number: 231-984-1
REACH registration number: 01-2119455044-46

Hazardous ingredients
according to Directive 1999/45/EC

dithianon (ISO); 5,10-dihydro-5,10-dioxonaphtho(2,3-b)(1,4)dithiazine-2,3-dicarbonitrile
Content (W/W): 70 %
CAS Number: 3347-22-6
EC-Number: 222-098-6
Hazard symbol(s): T, N
R-phrases(s): 22, 23, 41, 43, 40, 50/53
Carc. Cat. 3

Kaolin
Content (W/W): < 25 %
CAS Number: 1332-58-7
EC-Number: 310-194-1

Ammonium sulphate
Content (W/W): < 25 %
CAS Number: 7783-20-2
EC-Number: 231-984-1
REACH registration number: 01-2119455044-46

For the classifications not written out in full in this section, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, the full text is listed in section 16.

4. First-Aid Measures

Description of first aid measures

Show container, label and/or safety data sheet to physician.

If inhaled: Keep patient calm, remove to fresh air, seek medical attention. Immediately inhale corticosteroid dose aerosol.

On skin contact: Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist.

On contact with eyes: Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion: Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

Indication of any immediate medical attention and special treatment needed

Treatment: Symptomatic treatment (decontamination, vital functions).

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media: dry powder, foam, water spray

Unsuitable extinguishing media for safety reasons:
carbon dioxide

Special hazards arising from the substance or mixture

carbon monoxide, Carbon dioxide, nitrogen oxides, sulfur oxides
The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Special protective equipment:
Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Avoid dust formation.





Environmental precautions

Do not allow contamination of public drains or surface or ground waters. Inform local water plc if spillage enters drains and the Environment Agency (England & Wales), the Scottish Environmental Protection Agency (Scotland), or the Environment and Heritage Service (Northern Ireland) if it enters surface or ground waters. Keep people and animals away.

Methods and material for containment and cleaning up

For small amounts: Contain with dust binding material and dispose of. For large amounts: Sweep/shovel up.

Avoid raising dust. Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labelled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

7. Handling and Storage

Precautions for safe handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Protection against fire and explosion:

Dust can form an explosive mixture with air. Avoid dust formation. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect against moisture. Protect from direct sunlight.

Protect from temperatures above: 40 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

8. Exposure Controls/Personal Protection

Control parameters

Components with occupational exposure limits

1332-58-7: Kaolin

TWA value 2 mg/m³ (WEL/EH 40 (UK)), Respirable dust

Refer to the current edition of HSE Guidance Note EH40 Occupational Exposure Limits (United Kingdom). For normal use and handling refer to the product label/leaflet. In all other cases the following apply.

Exposure controls

Personal protective equipment

Respiratory protection: Suitable respiratory protection for higher concentrations or long-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection: Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other.

Eye protection: Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection: Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures

The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Form: granules

Colour: brown

Odour: characteristic

Odour threshold: not determined

pH value: approx. 3 - 5

(1 % (m), approx. 20 °C)
(as suspension)

Melting point: The product has not been tested.

Boiling point: The product has not been tested.

Flash point: not applicable

Evaporation rate: not applicable

Flammability: not highly flammable (Directive 84/449/EEC, A.10)

Lower explosion limit: As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.

Upper explosion limit: As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.

Vapour pressure: The product has not been tested.

Relative vapour density (air): negligible, Information based on the main components.

Solubility in water: dispersible





Partitioning coefficient n-octanol/water (log Kow):

Self ignition: not applicable
not self-igniting (Method: Directive 92/69/EEC, A.16)

Thermal decomposition: not determined

Viscosity, dynamic: not applicable
Explosion hazard: not explosive (Directive 92/69/EEC, A.14)
Fire promoting properties: not fire-propagating

Other information

Bulk density: 528 - 600 kg/m³
Grain size distribution: > 50 µm particles (Counted Distribution)
100 %

10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

Conditions to avoid

See MSDS section 7 - Handling and storage.

Incompatible materials

Substances to avoid:
strong acids, strong bases, strong oxidizing agents

Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation. Of high toxicity after single ingestion.

Experimental/calculated data:

LD50 rat (oral): 273 mg/kg (Directive 84/449/EEC, B.1)

LC50 rat (by inhalation):

Not inhalable due to the physico-chemical properties of the product.

LD50 rat (dermal): > 4,000 mg/kg (OECD Guideline 402) No mortality was observed.

Irritation

Assessment of irritating effects:

May cause severe damage to the eyes. Not irritating to the skin.

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant (Directive 84/449/EEC, B.4)

Serious eye damage/irritation rabbit: Risk of serious damage to eyes. (Directive 84/449/EEC, B.5)

Respiratory/Skin sensitization

Assessment of sensitization:

The product has not been tested. The statement has been derived from the properties of the individual components. Sensitization after skin contact possible.

Information on: dithianon (ISO); 5,10-dihydro-5,10-dioxonaphtho(2,3-b)(1,4)dithiazine-2,3- dicarbonitrile

Experimental/calculated data:

Guinea pig maximization test guinea pig: skin sensitizing (OECD Guideline 406) An aqueous solution was tested.

Germ cell mutagenicity

Assessment of mutagenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

Carcinogenicity

Assessment of carcinogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: dithianon (ISO); 5,10-dihydro-5,10-dioxonaphtho(2,3-b)(1,4)dithiazine-2,3- dicarbonitrile

Assessment of carcinogenicity:

Long term administration of organotoxic doses revealed a carcinogenic effect. In long-term studies in mice in which the substance was given by feed, a carcinogenic effect was not observed.

Reproductive toxicity

Assessment of reproduction toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of a fertility impairing effect.

Developmental toxicity

Assessment of teratogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components.





Information on: dithianon (ISO); 5,10-dihydro-5,10-dioxonaphtho(2,3-b)(1,4)dithiazine-2,3- dicarbonitrile
Assessment of teratogenicity:
The substance did not cause malformations in animal studies; however, toxicity to development was observed at high doses which impaired body weight gain in parental animals.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: dithianon (ISO); 5,10-dihydro-5,10-dioxonaphtho(2,3-b)(1,4)dithiazine-2,3- dicarbonitrile
Assessment of repeated dose toxicity:

Repeated exposure may affect certain organs. Damages the kidneys.

Other relevant toxicity information

Misuse can be harmful to health.

12. Ecological Information

Toxicity

Assessment of aquatic toxicity:

Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: dithianon (ISO); 5,10-dihydro-5,10-dioxonaphtho(2,3-b)(1,4)dithiazine-2,3- dicarbonitrile
Toxicity to fish:

LC50 (96 h) 0.044 mg/l, Oncorhynchus mykiss (Directive 84/449/EEC, C.1)

Information on: dithianon (ISO); 5,10-dihydro-5,10-dioxonaphtho(2,3-b)(1,4)dithiazine-2,3- dicarbonitrile
Aquatic invertebrates:

EC50 (48 h) 0.26 mg/l, Daphnia magna (OECD Guideline 202, part 1)

Information on: dithianon (ISO); 5,10-dihydro-5,10-dioxonaphtho(2,3-b)(1,4)dithiazine-2,3- dicarbonitrile
Aquatic plants:

EC50 (72 h) 0.298 mg/l (growth rate), Selenastrum capricornutum (Guideline 92/69/EEC, C.3)

No observed effect concentration (72 h) 0.025 mg/l (growth rate), Pseudokirchneriella subcapitata (Guideline 92/69/EEC, C.3)

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: dithianon (ISO); 5,10-dihydro-5,10-dioxonaphtho(2,3-b)(1,4)dithiazine-2,3- dicarbonitrile
Assessment biodegradation and elimination (H₂O):

According to OECD criteria the product is not readily biodegradable but inherently biodegradable.

Bioaccumulative potential

Assessment bioaccumulation potential:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: dithianon (ISO); 5,10-dihydro-5,10-dioxonaphtho(2,3-b)(1,4)dithiazine-2,3- dicarbonitrile
Bioaccumulation potential:

Bioconcentration factor: 28 (3 d), Oncorhynchus mykiss (OECD Guideline 305 E) Does not accumulate in organisms.

Mobility in soil (and other compartments if available)

Assessment transport between environmental compartments:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: dithianon (ISO); 5,10-dihydro-5,10-dioxonaphtho(2,3-b)(1,4)dithiazine-2,3- dicarbonitrile
Assessment transport between environmental compartments:

Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

Results of PBT and vPvB assessment

The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

Other adverse effects

The product does not contain substances that are listed in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control.

13. Disposal Considerations

Waste treatment methods

Must be sent to a suitable incineration plant, observing local regulations.

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom).

This product and any uncleaned containers must be disposed of as hazardous waste in accordance with the 2005 Hazardous Waste Regulations and amendments (United Kingdom)

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.





14. Transport Information

Land transport

ADR
UN number: UN2588
UN proper shipping name: PESTICIDE, SOLID, TOXIC, N.O.S. (contains DITHIANON)
Transport hazard class(es): 6.1, EHSM
Packing group: III
Environmental hazards: yes
Special precautions for user: Tunnel code: E

RID
UN number: UN2588
UN proper shipping name: PESTICIDE, SOLID, TOXIC, N.O.S. (contains DITHIANON)
Transport hazard class(es): 6.1, EHSM
Packing group: III
Environmental hazards: yes
Special precautions for user: None known

Inland waterway transport

ADN
UN number: UN2588
UN proper shipping name: PESTICIDE, SOLID, TOXIC, N.O.S. (contains DITHIANON)
Transport hazard class(es): 6.1, EHSM
Packing group: III
Environmental hazards: yes
Special precautions for user: None known
Transport in inland waterway vessel: Not evaluated

Sea transport

IMDG
UN number: UN 2588
UN proper shipping name: PESTICIDE, SOLID, TOXIC, N.O.S. (contains DITHIANON)
Transport hazard class(es): 6.1, EHSM
Packing group: III
Environmental hazards: yes
Marine pollutant: YES
Special precautions for user: None known

Air transport

IATA/ICAO
UN number: UN 2588
UN proper shipping name: PESTICIDE, SOLID, TOXIC, N.O.S. (contains DITHIANON)
Transport hazard class(es): 6.1
Packing group: III
Environmental hazards: No Mark as dangerous for the environment is needed
Special precautions for user: None known

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Regulation: Not evaluated
Shipment approved: Not evaluated
Pollution name: Not evaluated
Pollution category: Not evaluated
Ship Type: Not evaluated

Further information

This product is subject to the most recent edition of „The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations“ and their amendments (United Kingdom).

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

To avoid risks to man and the environment, comply with the instructions for use.

The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, „COSHH Essentials“ (United Kingdom).

This product is classified under the Chemicals (Hazard Information and Packaging) Regulations, (CHIP) (United Kingdom).

This product may be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments if specific threshold tonnages are exceeded (United Kingdom).

Chemical Safety Assessment

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

16. Other Information

For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

Full text of the classifications, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, if mentioned in section 2 or 3:

T	Toxic.
N	Dangerous for the environment.
22	Harmful if swallowed.
23	Toxic by inhalation.
41	Risk of serious damage to eyes.
43	May cause sensitization by skin contact.
40	Limited evidence of a carcinogenic effect.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Acute Tox.	Acute toxicity
Eye Dam./Irrit.	Serious eye damage/eye irritation
Skin Sens.	Skin sensitization





Carc.
Aquatic Acute
Aquatic Chronic
Carc. Cat. 3

Carcinogenicity
Hazardous to the aquatic environment - acute
Hazardous to the aquatic environment - chronic
Carcinogenic substances Category 3: Substances which cause concern for man owing to possible carcinogenic effects.
Causes serious eye damage.
Fatal if inhaled.
Harmful if swallowed.
May cause an allergic skin reaction.
Suspected of causing cancer.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.
Causes serious eye irritation.

H318
H330
H302
H317
H351
H400
H410
H319

If you have any queries relating to this MSDS, its contents or any other product safety related questions, please write to the following e-mail address: product-safety-north@basf.com

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

V4.0





Dithianon WG



MAPP 12538

A water dispersible granule containing 70% w/w dithianon.

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

5 kg

SAFETY PRECAUTIONS

UN 2588

Packing Group III
Environmentally hazardous
substance, Pesticide, Solid, Toxic,
N.O.S. (contains DITHIANON)
Marine pollutant

Operator protection

Spray equipment must only be used where the operator's normal working position is within a closed cab on a tractor or on a self-propelled sprayer when making air-assisted applications to apples or pears.

Other engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE GLOVES AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT*.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

However, other engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

IN CASE OF CONTACT WITH EYES, rinse immediately with plenty of water and seek medical advice.

IF SWALLOWED, seek medical advice immediately and show this container or label.

*Disposable filtering facepiece respirator to at least EN149 FFP2 or equivalent.

Environmental protection

Do not contaminate surface waters or ditches with chemical or used container.

Storage and disposal

DO NOT RE-USE CONTAINER FOR ANY OTHER PURPOSE.

THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY.

PROTECT FROM FROST.

Supplied by:

BASF plc

Crop Protection

PO Box 4, Earl Road

Cheadle Hulme, CHEADLE

Cheshire SK8 6QG

Tel: 0161 485 6222

Emergency Information:

(24 hours freephone):

0049 180 2273112

Technical Enquiries:

0845 602 2553 (office hours)



This label is compliant with the
CPA Voluntary Initiative Guidance

81071092GB1102

