

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 9/2/2020 Revision date: 9/20/2022 Version: 1.1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form Product name

UFI

: Mixture

- : ALCOBAN
- : 0H00-50PG-R00N-TMAF

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

1.2.1. Relevant identified uses

Main use category Industrial/Professional use spec

PesticideFor professional use only

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Globachem N.V. Brustem Industriepark - Lichtenberglaan 2019 BE– 3800 Sint-Truiden T +32 11 78 57 17 - F +32 11 68 15 65 msds@globachem.com - www.globachem.com

Distributor: Certis Belchim B.V., Suite 5, 3 Riverside, Granta Park Great Abington Cambridgeshire, CB21 6AD. United Kingdom T 0044 (0)1223 894261 - F 0044 (0)1223891210 info.uk@certisbelchim.com - www.certisbelchim.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0870 600 6266 (UK only),	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX Llandough	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Edinburgh Centre) Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111	Only for healthcare professionals
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre	16/17 Framlington Place Newcastle-upon-Tyne NE2 4AB Newcastle	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] Acute toxicity (oral). Category 3

Acute toxicity (oral), Category 3	H301
Serious eye damage/eye irritation, Category 1	H318
Skin sensitisation, Category 1	H317
Carcinogenicity, Category 2	H351
Hazardous to the aquatic environment – Acute Hazard, Category 1	H400

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Hazardous to the aquatic environment – Chronic Hazard, Category 1 Full text of H- and EUH-statements: see section 16

H410

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP) GHS05 GHS06 GHS08 GHS09 GHS07 Signal word (CLP) Danger 1 Hazard statements (CLP) H301 - Toxic if swallowed. H317 - May cause an allergic skin reaction. H318 - Causes serious eye damage. H351 - Suspected of causing cancer. H410 - Very toxic to aquatic life with long lasting effects. Precautionary statements (CLP) : P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P261 - Avoid breathing dust. P264 - Wash hands thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear eye protection, face protection, protective clothing, protective gloves. P281 - Use personal protective equipment as required. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical advice/attention. P310 - Immediately call a POISON CENTER or doctor/physician. P321 - Specific treatment (see supplemental first aid instruction on this label). P330 - Rinse mouth. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P363 - Wash contaminated clothing before reuse. P405 - Store locked up. P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as nonhazardous waste EUH-statements EUH401 - To avoid risks to human health and the environment, comply with the instructions for use. EUH066 - Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

3.2. Mixtures			
Name	Product identifier	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Dithianon	CAS-No.: 3347-22-6	70	Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Inhalation), H330 Eye Dam. 1, H318 Skin Sens. 1A, H317 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures			
4.1. Description of first aid measures			
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).		
First-aid measures after inhalation	: Allow affected person to breathe fresh air. Allow the victim to rest.		
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.		
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.		
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.		
4.2. Most important symptoms and effects, both acute and delayed			
Symptoms/effects after ingestion	: Swallowing a small quantity of this material will result in serious health hazard.		
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4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable extinguishing media Unsuitable extinguishing media	Foam. Dry powder. Carbon dioxide. Water spray. Sand.Do not use a heavy water stream.	
5.2. Special hazards arising from the substance or mixture		
No additional information available		
5.3. Advice for firefighters		

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any
	chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures			
6.1. Personal precautions, protective equipment and emergency procedures			
6.1.1. For non-emergency personnel Emergency procedures	: Evacuate unnecessary personnel.		
6.1.2. For emergency responders Protective equipment	: Equip cleanup crew with proper protection.		

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Emergency procedures	: Ventilate area.	
6.2. Environmental precautions		
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.		
6.3. Methods and material for containment and cleaning up		
Methods for cleaning up	: On land, sweep or shovel into suitable containers. Minimise generation of dust. Store away from other materials.	

6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Precautions for safe handling	 Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Provide good ventilation in process area to prevent formation of vapour. 	
Hygiene measures	: Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.	
7.2. Conditions for safe storage, including any incompatibilities		
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : away from food, drinks and animal foodstuffs. Keep container closed when not in use.	
Incompatible products Incompatible materials	Strong bases. Strong acids.Sources of ignition. Direct sunlight.	
7.3. Specific end use(s)		

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection: Chemical goggles or safety glasses

8.2.2.2. Skin protection

Skin and body protection: Wear suitable protective clothing

Hand protection: Wear protective gloves.

8.2.2.3. Respiratory protection

Respiratory protection: Wear appropriate mask

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

SECTION 9: Physical and chemical properties

Other information:

Do not eat, drink or smoke during use.

9.1. Information on basic physical and ch	emical properties	
Physical state	: Solid	
Colour	: brown.	
Appearance	: Granules.	
Odour	: characteristic.	
Odour threshold	: Not available	
Melting point	: > 20 °C	
Freezing point	: Not available	
Boiling point	: Not available	
Flammability	: Non flammable.	
Explosive properties	: Product is not explosive.	
Oxidising properties	: Non oxidizing material according to EC criteria.	
Explosive limits	: Not applicable	
Lower explosion limit	: Not applicable	
Upper explosion limit	: Not applicable	
Flash point	: Not applicable	
Auto-ignition temperature	: Not applicable	
Decomposition temperature	: Not available	
рН	: 3.5 – 8	
pH solution	: Not available	
Viscosity, kinematic	: Not applicable	
Solubility	: Not available	
Partition coefficient n-octanol/water (Log Kow)	: Not available	
Vapour pressure	: Not available	
Vapour pressure at 50 °C	: Not available	
Density	: Not available	
Relative density	: Not available	
Relative vapour density at 20 °C	: Not applicable	
Particle size	: Not available	
Particle size distribution	: Not available	

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Particle shape	: Not available
Particle aspect ratio	: Not available
Particle aggregation state	: Not available
Particle agglomeration state	: Not available
Particle specific surface area	: Not available
Particle dustiness	: Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity		
10.1. Reactivity		
No additional information available		
10.2. Chemical stability		
Not established.		
10.3. Possibility of hazardous reactions		
Not established.		
10.4. Conditions to avoid		
Direct sunlight. Extremely high or low temperatures.		
10.5. Incompatible materials		
Strong golds. Strong bosos		

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) Acute toxicity (dermal)	: Toxic if swallowed. : Not classified
Acute toxicity (inhalation)	: Not classified
ALCOBAN	
LD50 oral rat	273 mg/kg
LD50 dermal rat	> 4000 mg/kg
Skin corrosion/irritation	: Not classified pH: 3.5 – 8
Additional information	: Based on available data, the classification criteria are not met
Dithianon (3347-22-6)	
рН	3 – 5 (water, 1 %(m), 20 °C)
Serious eye damage/irritation	: Causes serious eye damage. pH: 3.5 – 8
Dithianon (3347-22-6)	
рН	3 – 5 (water, 1 %(m), 20 °C)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Respiratory or skin sensitisation	: May cause an allergic skin reaction.		
Germ cell mutagenicity	: Not classified		
Additional information	: Based on available data, the classification criteria are not met		
Carcinogenicity	: Suspected of causing cancer.		
Reproductive toxicity	: Not classified		
Additional information	: Based on available data, the classification criteria are not met		
STOT-single exposure	: Not classified		
Additional information	: Based on available data, the classification criteria are not met		
STOT-repeated exposure	: Not classified		
Additional information	: Based on available data, the classification criteria are not met		
Aspiration hazard	: Not classified		
Additional information	: Based on available data, the classification criteria are not met		
11.2. Information on other hazards	11.2. Information on other hazards		

11.2.1. Endocrine disrupting properties

11.2.2. Other information

Potential adverse human health effects and	: Harmful if swallowed.
symptoms	

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.: Very toxic to aquatic life.		
Hazardous to the aquatic environment, long-term (chronic)	: Very toxic to aquatic life with long lasting effects.		
ALCOBAN			
LC50 - Fish [1]	0.033 mg/l (96h)		
EC50 - Crustacea [1]	0.157 mg/l (48h)		
EC50 72h - Algae [1]	0.091 mg/l (72h)		
12.2. Persistence and degradability			
ALCOBAN			
Persistence and degradability	May cause long-term adverse effects in the environment.		
Dithianon (3347-22-6)			
Persistence and degradability May cause long-term adverse effects in the environment.			
12.3. Bioaccumulative potential			
ALCOBAN			
Bioaccumulative potential	Not established.		
Dithianon (3347-22-6)			
Bioaccumulative potential Not established.			
12.4. Mobility in soil			
No additional information available			
12.5. Results of PBT and vPvB assessment			
No additional information available			

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

12.6. Endocrine disrupting properties			
No additional information available			
12.7. Other adverse effects			
Additional information	: Avoid release to the environment.		
SECTION 13: Disposal considerations			
13.1. Waste treatment methods	13.1. Waste treatment methods		
Product/Packaging disposal recommendations Ecology - waste materials	Dispose in a safe manner in accordance with local/national regulations.Avoid release to the environment.		
SECTION 14: Transport information			
In accordance with ADR / IMDG / IATA / ADN / RID			
14.1. UN number or ID number			
UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID)	 : UN 2588 		
14.2. UN proper shipping name			
Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID)	 PESTICIDE, SOLID, TOXIC, N.O.S. (dithianon) 		

- : UN 2588 PESTICIDE, SOLID, TOXIC, N.O.S. (dithianon), 6.1, III, (-), ENVIRONMENTALLY HAZARDOUS
- : UN 2588 PESTICIDE, SOLID, TOXIC, N.O.S. (dithianon), 6.1, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
 - : UN 2588 Pesticide, solid, toxic, n.o.s. (dithianon), 6.1, III, ENVIRONMENTALLY HAZARDOUS
 - : UN 2588 PESTICIDE, SOLID, TOXIC, N.O.S. (dithianon), 6.1, III, ENVIRONMENTALLY HAZARDOUS
- : UN 2588 PESTICIDE, SOLID, TOXIC, N.O.S. (dithianon), 6.1, III, ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

Transport document description (ADR)

Transport document description (IMDG)

Transport document description (IATA)

Transport document description (ADN)

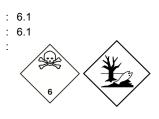
Transport document description (RID)

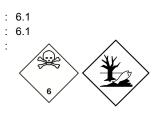
ADR

Transport hazard class(es) (ADR) Danger labels (ADR)



Transport hazard class(es) (IMDG) Danger labels (IMDG)





Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

IATA Transport hazard class(es) (IATA) Danger labels (IATA)	: 6.1 : 6.1
ADN Transport hazard class(es) (ADN) Danger labels (ADN)	: 6.1 : 6.1 : •
RID Transport hazard class(es) (RID) Danger labels (RID)	: 6.1 : 6.1 : 6
14.4. Packing group	· · ·
Packing group (ADR) Packing group (IMDG) Packing group (IATA) Packing group (ADN) Packing group (RID)	: III : III : III : III : III
14.5. Environmental hazards	
Dangerous for the environment Marine pollutant Other information	: Yes : Yes : No supplementary information available
14.6. Special precautions for user	
Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Special packing provisions (ADR) Mixed packing provisions (ADR) Portable tank and bulk container instructions (ADR) Portable tank and bulk container special provisions (ADR) Tank code (ADR) Tank code (ADR) Vehicle for tank carriage Transport category (ADR) Special provisions for carriage - Bulk (ADR) Special provisions for carriage - Loading, unloading and handling (ADR)	 T7 61, 274, 648 5kg E1 P002, IBC08, LP02, R001 B3 MP10 T1 TP33 SGAH, L4BH TU15, TE19 AT 2 VC1, VC2, AP7 CV13, CV28
Special provisions for carriage - Operation (ADR) Hazard identification number (Kemler No.)	: S9 : 60

Safety Data Sheet

Tunnel restriction code (ADR)

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Orange plates

EAC code

-	60
	2588
: -	-
: :	2X

: 61, 223, 274 : 5 kg : E1 : P002, LP02 : IBC08 : B3 : T1 : TP33 : F-A : S-A : A : SW2

contact or by inhalation.

: Solid pesticides present a very wide range of toxic hazard. Toxic if swallowed, by skin

:

Air transport		
PCA Excepted quantities (IATA)		E1
PCA Limited quantities (IATA)		Y645
PCA limited quantity max net quantity (IATA)	:	10kg
PCA packing instructions (IATA)	:	670
PCA max net quantity (IATA)	:	100kg
CAO packing instructions (IATA)	:	677
CAO max net quantity (IATA)	:	200kg
Special provisions (IATA)	:	A3, A5
ERG code (IATA)	:	6L
Inland waterway transport		
Classification code (ADN)	:	Т7
Special provisions (ADN)	:	61, 274, 648, 802
Limited quantities (ADN)		5 kg
Excepted quantities (ADN)		E1
Equipment required (ADN)	:	PP, EP
Number of blue cones/lights (ADN)	:	0
Rail transport		
Classification code (RID)	:	Т7
Special provisions (RID)	:	61, 274, 648
Limited quantities (RID)		5kg
Excepted quantities (RID)		E1
Packing instructions (RID)	:	P002, IBC08, LP02, R001
Special packing provisions (RID)		B3
Mixed packing provisions (RID)	:	MP10
Portable tank and bulk container instructions (RID)	:	T1
Portable tank and bulk container special provisions	:	TP33
(RID)		
Tank codes for RID tanks (RID)	:	SGAH, L4BH
Special provisions for RID tanks (RID)		TU15
Transport category (RID)	:	2
Special provisions for carriage – Bulk (RID)	:	VC1, VC2, AP7
Special provisions for carriage - Loading, unloading		
and handling (RID)		
Colis express (express parcels) (RID)	:	CE11, CE12
Hazard identification number (RID)	:	60
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Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no REACH substances with Annex XVII restrictions

REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources

 REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
 None.

Other information

Full text of H- and EUH-statements:	
Acute Tox. 2 (Inhalation) Acute toxicity (inhal.), Category 2	
Acute Tox. 4 (Oral) Acute toxicity (oral), Category 4	
Aquatic Acute 1 Hazardous to the aquatic environment – Acute Hazard, Category 1	
Aquatic Chronic 1 Hazardous to the aquatic environment – Chronic Hazard, Category 1	
Carc. 2 Carcinogenicity, Category 2	

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Full text of H- and EUH-statements:		
EUH066	Repeated exposure may cause skin dryness or cracking.	
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
H301	Toxic if swallowed.	
H302	Harmful if swallowed.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H330	Fatal if inhaled.	
H351	Suspected of causing cancer.	
H400	400 Very toxic to aquatic life.	
H410	0 Very toxic to aquatic life with long lasting effects.	
Skin Sens. 1A	Skin sensitisation, category 1A	

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.