

SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Trade name : GOLDING®
 Product code : 400 g/l flufenacet and 100 g/l diflufenican SC (suspension concentrate)

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

Main use category : Professional use.
 Use of the substance/mixture : Agriculture Herbicide

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Rotam Crop Protection Europe
 75 Cours Albert Thomas, Bâtiment D
 69003 LYON
 FRANCE
 Tel : +33 4.27.02.73.33
msds@rotam.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	NHS Direct (England and Wales)		111	
United Kingdom	NHS 24 (Scotland)		111	

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4 H302
 STOT RE 2 H373
 Aquatic Acute 1 H400
 Aquatic Chronic 1 H410

Full text of H-phrases: see section 16

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) :



Signal word (CLP) :

Warning

Hazard statements (CLP) :

H302 - Harmful if swallowed.
 H373 - May cause damage to organs (Nervous system) through prolonged or repeated exposure if swallowed.
 H410 - Very toxic to aquatic life with long lasting effects

Additional Hazard Statements (CLP) :

EUH208 - Contains Flufenacet, 5-chloro-2-methyl-isothiazol-3-one/2-methyl-isothiazol-3-one. May produce an allergic reaction.
 EUH401 - To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary statements (CLP) :

P260 - Do not breathe vapour/ spray.
 P264 - Wash contaminated skin thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.

P273 - Avoid release to the environment.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P308+P311 - IF exposed or concerned: Call a POISON CENTER or doctor.
 P301+P312 - IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.
 P314 - Get medical advice/ attention if you feel unwell.
 P330 - Rinse mouth.
 P391 - Collect spillage.
 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 non-hazardous waste.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
FLUFENACET	(CAS No) 142459-58-3	40	Acute Tox. 4 - H302 Skin Sens. 1 - H317 STOT RE 2 - H373 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 M factor (Acute) = 100 M factor (Chronic) = 100
GLYCERINE	(CAS No) 56-81-5 EC number: 200-289-5	> 1	Not classified
DIFLUFENICAN	(CAS No) 83164-33-4	10	Aquatic Chronic 3 - H412
Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-8] (3:1)	(CAS No) 55965-84-9	>0.0002- <0.0015%	Acute Tox. 3 - H301 Acute Tox. 2 - H310 Acute Tox. 2 - H330 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 M factor (Acute) = 10 M factor (Chronic) = 1

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

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Evacuate area. Immediate first aid is imperative. Get medical attention immediately. Place unconscious person on their side in the recovery position and ensure breathing can take place. Remove contaminated clothing immediately and wash skin with soap and water.
- First-aid measures after inhalation : Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention immediately.
- First-aid measures after skin contact : Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water. Get medical attention if irritation persists after washing.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.
- First-aid measures after ingestion : Call a physician or poison control center immediately. Rinse mouth. Induce vomiting only, if: 1. patient is fully conscious, 2. medical aid is not readily available, 3. a significant amount (more than a mouthful) has been ingested and 4. time since ingestion is less than 1 hour. (Vomit should not get into the respiratory tract.)

4.2. Most important symptoms and effects, both acute and delayed

- Ingestion : Harmful if swallowed. May cause damage to organs (Nervous system) through prolonged or repeated exposure if swallowed. If exposed to large concentrations: Shortness of breath. Drowsiness. Headache. Tiredness. Dizziness. Nausea. The absorption of this product into the body may lead to the formation of methaemoglobine that, in sufficient concentration, causes cyanosis.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	: Danger of formation of methaemoglobin.
Specific treatments	: Treat symptomatically. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable. In case of methaemoglobinemia, oxygen and specific antidotes (methylene blue/ toluidine blue) should be given.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media	: Water spray. Alcohol-resistant foam. Dry chemicals. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	: Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Hydrogen cyanide (HCN). Hydrogen fluoride (HF). Carbon monoxide (CO). Oxides of nitrogen. Oxides of sulphur.
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5.3. Advice for firefighters

Firefighting instructions	: Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
Protection during firefighting	: Control run-off water by containing and keeping it out of sewers and watercourses. Contain and collect extinguishing water.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions	: Good personal hygiene procedures should be implemented. Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment.
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6.2. Environmental precautions

Do not discharge into drains or watercourses or onto the ground. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.
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6.4. Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Usage precautions	: Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Avoid contact with skin, eyes and clothing. Observe any occupational exposure limits for the product or ingredients.
Advice on general occupational hygiene	: Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Take off immediately all contaminated clothing and wash it before reuse. Garments that cannot be cleaned must be destroyed (burnt). Wash at the end of each work shift and before eating, smoking and using the toilet. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect from frost. Protect from freezing and direct sunlight. Suitable materials HDPE (high density polyethylene) Keep away from food, drink and animal feeding stuffs.
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7.3. Specific end use(s)

Refer to the label and/or leaflet.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**Occupational exposure limits

GLYCERINE

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³

WEL = Workplace Exposure Limit

Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one (3:1)
[EC no. 220-239-8]

Long-term exposure limit (8-hour TWA): 0.076 mg/m³

FLUFENACET (CAS: 142459-58-3)

No exposure limits known for ingredient(s).

GLYCERINE (CAS: 56-81-5)

DNEL Consumer - Oral; Long term systemic effects: 229 mg/kg/day

Consumer - Inhalation; Long term local effects: 33 mg/m³

Professional - Inhalation; Long term local effects: 56 mg/m³

PNEC - Soil; 0.141 mg/kg

- STP; 1000 mg/l

- Fresh water; 0.885 mg/l

- Intermittent release; 8.85 mg/l

- Marine water; 0.0885 mg/l

- Sediment (Freshwater); 3.3 mg/kg

- Sediment (Marinewater); 0.33 mg/kg

DIFLUFENICAN (CAS: 83164-33-4)

No exposure limits known for ingredient(s).

8.2. Exposure controls

- Personal protective equipment : Wear standard coveralls and Category 3 Type 4 suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently. If there is a risk of significant exposure, consider a higher protective type suit.
- Hand protection : The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness of 0,4 mm). Wash when contaminated and dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed. The selected gloves should have a breakthrough time of at least 8 hours. To protect hands from chemicals, gloves should comply with European Standard EN374.
- Eye protection : Wear chemical splash goggles. Manufactured/tested in accordance with EN 166.
- Respiratory protection : Provide adequate ventilation. Respiratory protection is not required under anticipated circumstances of exposure.
Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.
- Hygiene measures : Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Appearance : Suspension.
- Colour : White. to Beige.
- Odour : Weak. Characteristic.
- pH : pH (concentrated solution): 4.0-6.5 @ 100% @ 23°C
- Flash point : >100°C No flash point - Determination conducted up to the boiling point.
- Relative density : 1.19 g/cm³ @ 20°C
- Solubility : Dispersible.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under recommended storage conditions.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Extremes of temperature and direct sunlight. Protect from frost.

10.5. Incompatible materials

Materials to avoid : No specific requirements are anticipated under normal conditions of use.

10.6. Hazardous decomposition products

No decomposition products expected under normal conditions of use.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

GOLDING	
LD50 oral rat	1,472.5 mg/kg
LD50 dermal rat	> 4,000 mg/kg Test conducted with a similar formulation.
LC50 inhalation rat (mg/l)	> 2.078 mg/l Exposure time: 4 h Highest attainable concentration. Test conducted with a similar formulation.

Skin corrosion/irritation	: Not irritating. Read-across data.
Serious eye damage/irritation	: Not irritating. Read-across data.
Skin sensitisation	: Local Lymph Node Assay (LLNA) - Mouse: Not sensitising.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Flufenacet was not carcinogenic in lifetime feeding studies in rats and mice. Diflufenican was not carcinogenic in lifetime feeding studies in rats and mice.
Reproductive toxicity	: Flufenacet caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Flufenacet are related to maternal toxicity. Diflufenican did not cause developmental toxicity in rats and rabbits.
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: May cause damage to organs through prolonged or repeated exposure. Target organs: Nervous system

General information: The absorption of this product into the body may lead to the formation of methaemoglobine that, in sufficient concentration, causes cyanosis.

Ingestion: Harmful if swallowed. May cause damage to organs (Nervous system) through prolonged or repeated exposure if swallowed. If exposed to large concentrations: Shortness of breath. Drowsiness. Headache. Tiredness. Dizziness. Nausea. The absorption of this product into the body may lead to the formation of methaemoglobine that, in sufficient concentration, causes cyanosis.

Toxicological information on ingredients.**FLUFENACET**

Acute toxicity – oral: Acute toxicity oral (LD₅₀ mg/kg): 589.0 (Rat)

Acute toxicity - dermal (dermal LD₅₀) >2000 mg/kg (Rat)

Acute toxicity - inhalation (inhalation LC₅₀) LC50 Inhalation (4h), rat >3700 ppm

Skin corrosion/irritation: Not irritating.

Serious eye damage/irritation: Not irritating.

Skin sensitisation: May cause an allergic skin reaction.

Carcinogenicity: Based on available data the classification criteria are not met.

Reproductive toxicity: Based on available data the classification criteria are not met.

Reproductive toxicity – development: Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure: STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure: STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Inhalation: Possible slight nasal irritation and discharge. May cause delayed health effects.

Ingestion: Possible mild gastrointestinal effects. May cause serious damage to health by prolonged exposure if swallowed.

Skin contact: Redness. Itchiness. May cause an allergic skin reaction.

Eye contact: Redness. Swelling.

DIFLUFENICAN

Other health effects There is no evidence that the product can cause cancer.

Acute toxicity – oral : Acute toxicity oral (LD₅₀ mg/kg): 2,000.0 (Species Rat)

Acute toxicity – dermal: Acute toxicity dermal (LD₅₀ mg/kg) 2,000.0 (Species Rat)

Carcinogenicity: IARC carcinogenicity No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity – fertility: This substance has no evidence of toxicity to reproduction. Diflufenican did not cause reproductive toxicity in a two-generation study in rats.

Reproductive toxicity – development: This substance has no evidence of toxicity to reproduction. Diflufenican did not cause developmental toxicity in rats and rabbits.

Inhalation: No specific health hazards known.

Ingestion: May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact: No specific health hazards known. Not a skin sensitiser.

Eye contact: May cause temporary eye irritation.

SECTION 12: Ecological information**12.1. Toxicity**

DIFLUFENICAN	
LC50 fish 96h	LC ₅₀ , 96 hours: 54.9 mg/l, Cyprinus carpio (Common carp)
EC50 Daphnia 48h	EC ₅₀ , 48 hours: 68.2 mg/l, Daphnia magna
ErC50 (algae) 72h	EC ₅₀ , 72 hours: 0.00885 mg/l, Pseudokirchneriella subcapitata
Acute toxicity - terrestrial	LC ₅₀ , : > 4000 mg/kg, Anas Platyrhynchos (Mallard duck)

FLUFENACET	
LC50 fish 96h	LC ₅₀ , 96 hours: 2.13 mg/l, Oncorhynchus mykiss (Rainbow trout)
EC50 Daphnia 48h	EC ₅₀ , 48 hours: 30.9 mg/l, Daphnia magna
ErC50 (algae) 72h	EC ₅₀ , 72 hours: 0.00452 mg/l, Selenastrum capricornutum
Toxicity to soil	LC50 Earthworms, Eisenia foetida (14 days): 218.8 mg/kg d.w. soil

12.2. Persistence and degradability

FLUFENACET	
Persistence and degradability	Not readily biodegradable.

DIFLUFENICAN	
Persistence and degradability	Not rapidly biodegradable. Koc 3417

12.3. Bioaccumulative potential

FLUFENACET	
Log Pow	3.2 @24°C
Bioaccumulative potential	71.4, Fish

DIFLUFENICAN	
Log Pow	BCF: 1596, The product is not bioaccumulating.
Bioaccumulative potential	4.2

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

General information	: In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant. Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK).
Disposal methods	: Small containers (< 10 l or < 10 kg) should be rinsed thoroughly using an integrated pressure rinsing device, or, by manually rinsing three times. Add washings to sprayer at time of filling. Dispose of empty and cleaned packaging safely. Large containers (> 25 l or > 25 kg) should not be rinsed or re-used for any other purpose. Return large containers to supplier. Follow advice on product label and/or leaflet.
Waste class	: 020108 agrochemical waste containing dangerous substances

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

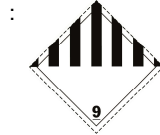
UN-No. (ADR)	: 3082
UN-No. (IMDG)	: 3082
UN-No. (IATA)	: 3082
UN-No. (ADN)	: 3082
UN-No. (RID)	: 3082

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IATA)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (ADN)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (RID)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport document description (ADR)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FLUFENACET, DIFLUFENICAN SOLUTION), 9, III, (E)
Transport document description (IMDG)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FLUFENACET, DIFLUFENICAN SOLUTION), 9, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
Transport document description (IATA)	: UN 3082 Environmentally hazardous substance, LIQUID, n.o.s. (FLUFENACET, DIFLUFENICAN SOLUTION), 9, III, ENVIRONMENTALLY HAZARDOUS
Transport document description (ADN)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FLUFENACET, DIFLUFENICAN SOLUTION), 9, III, ENVIRONMENTALLY HAZARDOUS
Transport document description (RID)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FLUFENACET, DIFLUFENICAN SOLUTION), 9, III, ENVIRONMENTALLY HAZARDOUS

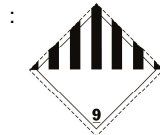
14.3. Transport hazard class(es)**ADR**

Transport hazard class(es) (ADR)	: 9
Danger labels (ADR)	: 9



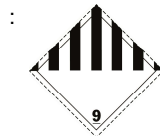
IMDG

Transport hazard class(es) (IMDG) : 9
Danger labels (IMDG) : 9



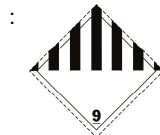
IATA

Transport hazard class(es) (IATA) : 9
Hazard labels (IATA) : 9



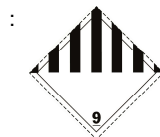
ADN

Transport hazard class(es) (ADN) : 9
Danger labels (ADN) : 9



RID

Transport hazard class(es) (RID) : 9
Danger labels (RID) : 9



14.4. Packing group

Packing group (ADR) : III
Packing group (IMDG) : III
Packing group (IATA) : III
Packing group (ADN) : III
Packing group (RID) : III

14.5. Environmental hazards

Dangerous for the environment : Yes
Marine pollutant :



Yes

Other information : No supplementary information available

14.6. Special precautions for user**- Overland transport**

Classification code (ADR)	: M6
Special provisions (ADR)	: 274, 335, 601, 375
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBV
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV13
Hazard identification number (Kemler No.)	: 90
Orange plates	:



Tunnel restriction code (ADR)	: E
EAC code	: •3Z

- Transport by sea

Special provisions (IMDG)	: 274, 335, 969
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP2, TP29
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-F
Stowage category (IMDG)	: A

- Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
Special provisions (IATA)	: A97, A158, A197
ERG code (IATA)	: 9L

- Inland waterway transport

Classification code (ADN)	: M6
Special provisions (ADN)	: 274, 335, 375, 601
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP

Number of blue cones/lights (ADN) : 0

- Rail transport

Classification code (RID) : M6
Special provisions (RID) : 274, 335, 375, 601
Limited quantities (RID) : 5L
Excepted quantities (RID) : E1
Packing instructions (RID) : P001, IBC03, LP01, R001
Special packing provisions (RID) : PP1
Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T4
Portable tank and bulk container special provisions (RID) : TP1, TP29
Tank codes for RID tanks (RID) : LGBV
Transport category (RID) : 3
Special provisions for carriage – Packages (RID) : W12
Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW31
Colis express (express parcels) (RID) : CE8
Hazard identification number (RID) : 90

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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**

No REACH Annex XVII restrictions

Contains no REACH candidate substance

Data sources : The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).
EH40/2005 Workplace exposure limits.
Health and Safety at Work etc. Act 1974 (as amended).
Control of Pollution Act 1974.
Control of Pollution (Special Waste) Regulations 1980 (as amended).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of chemicals (REACH) (as amended).
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 (as amended).

EU legislation : Commission Regulation (EU) No 2015/830 of 28 May 2015.
Regulation (EC) No 1107/2009 of the European Parliament and of the Council of 21 October 2009 concerning the placing of plant protection products on the market and repealing Council Directives 79/117/EEC and 91/414/EEC.
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 (as amended).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Guidance : Introduction to Local Exhaust Ventilation HS(G)37.
Workplace Exposure Limits EH40.
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

The mixture is registered as a plant protection product according to Regulation (EC) No.1107 / 2009.

SECTION 16: Other information

GOLDING® is a registered trademark of ROTAM.

Full text of H- and EUH-phrases::

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H310 Fatal in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H330 Fatal if inhaled.

H373 May cause damage to organs through prolonged or repeated exposure.

H373 May cause damage to organs (Nervous system) through prolonged or repeated exposure if swallowed.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

SDS EU (REACH Annex II)

Disclaimer: The information provided by Rotam Europe Ltd contained herein is given in good faith and correct to the best of our knowledge. However, the information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.