

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

1.1. Product identifier

Product form : Mixture
 Trade name : DICOPHAR
 Product code : CA721376
 Synonyms : 2,4-D 70 g/L ae, Dicamba 20 g/L ae, MCPA 70 g/L ae, MCPP-P 42 g/L, as DMA salt SL

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
 Industrial/Professional use spec : Agriculture.
 Pesticide
 Use of the substance/mixture : Herbicide

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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 B-4102 Ougrée - Belgium
 T +32 (0)4 385 97 11 - F +32 (0)4 385 97 49
info@agriphar.com - <http://www.agriphar.com>

1.4. Emergency telephone number

Emergency number : 0870 190 6777 (CARECHEM 24)
 112 (European Emergency Number)

Country	Organisation/Company	Address	Emergency number
Worldwide	WHO	http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

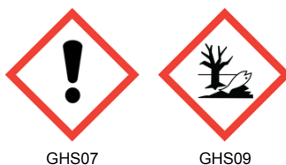
Eye Irrit. 2 : H319
 Aquatic Acute 1 : H400
 Aquatic Chronic 1 : H410

Full text of H-statements: see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

GHS09

CLP Signal word : Warning
 Hazard statements (CLP) : H319 - Causes serious eye irritation
 H410 - Very toxic to aquatic life with long lasting effects
 Precautionary statements (CLP) : P280 - Wear eye protection, protective clothing, protective gloves, face protection
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P337+P313 - If eye irritation persists: Get medical advice/attention
 P501 - Dispose of contents/container to an authorised waste collection point
 EUH-statements : EUH401 - To avoid risks to human health and the environment, comply with the instructions for use
 EUH208 - Contains 2,4-D DMA salt. May produce an allergic reaction

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2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
MCPA DMA salt	(EC index no) 607-052-00-9	7,7 - 9,2	Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,4-D DMA salt	(EC index no) 607-040-00-3	7,4 - 8,9	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 2, H411
MCPP-P DMA salt	(CAS No) 16484-77-8 (EC no) 240-539-0 (EC index no) 607-434-00-5	4,7 - 5,6	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Dicamba DMA salt	(CAS No) 2300-66-5 (EC no) 218-951-7 (EC index no) 607-044-00-5	2,3 - 2,8	Eye Irrit. 2, H319 Aquatic Chronic 3, H412

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If medical advice is needed, have product container or label at hand.
First-aid measures after inhalation	: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of breathing difficulties administer oxygen. In case of irregular breathing or respiratory arrest provide artificial respiration. In all cases of doubt, or when symptoms persist, seek medical advice.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Immediately get medical attention.

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

No additional information available

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry extinguishing powder. Carbon dioxide (CO ₂). Water fog.
Unsuitable extinguishing media	: High power water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Non-flammable.
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5.3. Advice for firefighters

Precautionary measures fire	: No open flames. No smoking.
Firefighting instructions	: Evacuate and limit access. Use water spray jet to protect personnel and to cool endangered containers.
Protection during firefighting	: Wear full chemical protective clothing. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.
Other information	: Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : When leaks or spills occur, only properly protected personnel should remain in the area.

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. In case of insufficient ventilation, wear suitable respiratory equipment.

Emergency procedures : Evacuate area. Provide adequate ventilation to minimize dust and/or vapour concentrations. Call in an expert. Eliminate every possible source of ignition.

6.1.2. For emergency responders

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

6.2. Environmental precautions

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Prevent spreading in sewers. Impound and recover large spill by mixing it with inert granular solids.

Methods for cleaning up : Collect spills and put it into appropriated container.

Other information : Special danger of slipping by leaking/spilling product.

6.4. Reference to other sections

Exposure controls/personal protection. Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Handle in accordance with good industrial hygiene and safety procedures. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not allow to enter into surface water or drains.

Handling temperature : at room temperature

Hygiene measures : Do no eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground well. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.

Storage conditions : Protect against direct sunlight.

Incompatible products : Strong acid. Strong bases. Oxidizing agents, strong.

Maximum storage period : 2 year(s)

Storage temperature : Protect from freezing

Storage area : Keep container tightly closed in a cool, well-ventilated place. Provide for retaining containers, eg. floor pan without outflow.

Packaging materials : Keep only in the original container. Keep locked up.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

MCPP-P DMA salt (16484-77-8)		
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³
United Kingdom	WEL STEL (mg/m ³)	20 mg/m ³

8.2. Exposure controls

Personal protective equipment : Gloves. Gas mask. Safety glasses.

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Hand protection	: Wear suitable gloves resistant to chemical penetration. NBR (Nitrile rubber). For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
Eye protection	: Face shield. Chemical goggles or safety glasses
Skin and body protection	: Skin protection appropriate to the conditions of use should be provided
Respiratory protection	: If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.



Environmental exposure controls	: Notify authorities if product enters sewers or public waters.
Other information	: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: brown.
Odour	: Amine-like.
Odour threshold	: No data available
pH	: 8 - 10
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 110 °C
Auto-ignition temperature	: > 603 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1,062 g/ml (20°C)
Solubility	: Soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: 2,337 mm ² /s (40°C)
Viscosity, dynamic	: No data available
Explosive properties	: not explosive.
Oxidising properties	: not oxidizing.
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

When exposed to heat, may decompose liberating hazardous gases.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal conditions. Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid

Protect against direct sunlight. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

10.5. Incompatible materials

Strong acid. Strong bases. Strong oxidizing agents.

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10.6. Hazardous decomposition products

When heated to decomposition, emits dangerous fumes. Carbon dioxide (CO₂). Carbon monoxide. Nitrogen oxides (NO_x).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

DICOPHAR	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	not applicable

Skin corrosion/irritation : Not classified
pH: 8 - 10

Serious eye damage/irritation : Causes serious eye irritation.
pH: 8 - 10

Respiratory or skin sensitisation : Not classified.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

DICOPHAR	
Viscosity, kinematic	2,337 mm ² /s (40°C)

SECTION 12: Ecological information

12.1. Toxicity

DICOPHAR	
LC50 fish 1	> 110 mg/l (96h)
EC50 Daphnia 1	> 110 mg/l (48h)
ErC50 (algae)	> 800 mg/l (72h)
ErC50 (other aquatic plants)	0,3 - 1 mg/l (14d Myriophyllum spicatum)
NOEC (chronic)	0,03 - 0,1 mg/l (14d Myriophyllum spicatum)
ErC50, Lemna Gibba	68,9 mg/l (7 days)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

DICOPHAR	
Surface tension	69,9 mN/m (20°C)

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of this material and its container to hazardous or special waste collection point.

Additional information : Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads). Notify authorities if product enters sewers or public waters.

European List of Waste (LoW) code : 02 01 08* - agrochemical waste containing dangerous substances

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SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
3082	3082	3082	3082	3082
14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	Environmentally hazardous substance, liquid, n.o.s.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport document description				
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,4-D DMA salt, MCPA DMA salt), 9, III, (E)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,4-D DMA salt, MCPA DMA salt), 9, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS			
14.3. Transport hazard class(es)				
9	9	9	9	9
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes

No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR)	: M6
Special provisions (ADR)	: 274, 335, 601
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

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Orange plates

:



Tunnel restriction code

: E

EAC code

: •3Z

- Transport by sea

Transport regulations (IMDG)	: Not subject
Special provisions (IMDG)	: 274, 335
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

Transport regulations (IATA)	: Not subject
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
ERG code (IATA)	: 9L

- Inland waterway transport

Classification code (ADN)	: M6
Special provisions (ADN)	: 274, 335, 61
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP
Number of blue cones/lights (ADN)	: 0
Not subject to ADN	: No

- Rail transport

Classification code (RID)	: M6
Special provisions (RID)	: 274, 335, 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

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Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 90
Carriage prohibited (RID)	: No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	MCPA DMA salt - 2,4-D DMA salt - MCP-P DMA salt - Dicamba DMA salt
3.b. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	DICOPHAR - MCPA DMA salt - 2,4-D DMA salt - MCP-P DMA salt - Dicamba DMA salt
3.c. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	DICOPHAR - MCPA DMA salt - 2,4-D DMA salt - MCP-P DMA salt - Dicamba DMA salt

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes:

1.1	Name	Modified	
2	2.1. Classification of the substance or mixture	Modified	H411 => H410
9.1	pH	Modified	
9.1	Density	Modified	
12.1	ErC50 (other aquatic plants)	Modified	Lemna => 7d Lemna Gibba
12.1	NOEC (chronic)	Added	
12.1	ErC50 (other aquatic plants)	Added	
14	UN-No. (ADR)	Modified	
15.1		Added	

Data sources : dRR dossier.

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
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
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
H302	Harmful if swallowed
H312	Harmful in contact with skin

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H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
EUH208	Contains . May produce an allergic reaction
EUH401	To avoid risks to human health and the environment, comply with the instructions for use

SDS EU (REACH Annex II)

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