

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

#### 1.1. Product identifier

CA Code (Nufarm)	: 1905
Oracle Recipe Code (Nufarm)	: 600000461
Item codes	: 100002856
Product form	: Mixture
Trade name	: AGRITONE
Type (Nufarm)	: Country Specific
Country (Nufarm)	: Israel

#### 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	: Plant growth regulator
Use of the substance/mixture	:

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer

Nufarm S.A.S.  
28 Boulevard Zéphirin Camélinat  
92230 Gennevilliers - France  
T +33140855050 - F +33147922545  
[FDS@nufarm.com](mailto:FDS@nufarm.com)

#### 1.4. Emergency telephone number

Emergency number : Organisme Français INRS : +33 1 45 42 59 59; Nufarm S.A.S. : +33 1 40 85 51 15

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category H319  
2

Full text of hazard classes and H-statements : 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) :



GHS07

Signal word (CLP)	: Warning
Hazard statements (CLP)	: H319 - Causes serious eye irritation.
Precautionary statements (CLP)	: P264 - Wash hands, forearms and face thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/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.
EUH-statements	: EUH401 - To avoid risks to human health and the environment, comply with the instructions for use.

# AGRITONE

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ALPHA NAPHTHYLACETIC ACID	(CAS-No.) 86-87-3	0,6%	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Alcohols, C9-11, ethoxylated	(CAS-No.) 68439-46-3 (EC-No.) 614-482-0	2,5% - 10%	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
1-Naphthaleneacetamide	(CAS-No.) 86-86-2 (EC-No.) 201-704-2	1.6	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation	: Move victim to fresh air.
First-aid measures after skin contact	: Take off contaminated clothes. Wash off immediately with soap and plenty of water.
First-aid measures after eye contact	: Immediately rinse with water for a prolonged period while holding the eyelids wide open.
First-aid measures after ingestion	: Rinse mouth out with water. Do NOT induce vomiting. If swallowed, seek medical advice immediately and show this container or label.

### 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	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: high volume water jet.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Fire will produce dense black smoke. Decomposition products may be a hazard to health.
Hazardous decomposition products in case of fire	: Thermal decomposition generates : Carbon dioxide. Carbon monoxide.

### 5.3. Advice for firefighters

Firefighting instructions	: Exercise caution when fighting any chemical fire.
Protection during firefighting	: Wear a self contained breathing apparatus. Wear recommended personal protective equipment.
Other information	: Do not discharge into drains or the environment. Contain the spreading of extinguishing fluids (this product may be hazardous for the environment).

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Refer to chapter 8.
------------------	-----------------------

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

Emergency procedures	: Never return spills in original containers for possible later re-use.
----------------------	---

### 6.2. Environmental precautions

Notify authorities if product enters sewers or public waters. Prevent entry to sewers and public waters.

# AGRITONE

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Take off immediately all contaminated clothing and wash it before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs.

Storage temperature : > -5 °C

### 7.3. Specific end use(s)

None.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

#### Hand protection:

Nitrile rubber gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Long sleeved protective clothing

#### Environmental exposure controls:

Notify authorities if product enters sewers or public waters. Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: clear.
Colour	: light yellow. Colourless.
Odour	: No data available
Odour threshold	: No data available
pH	: 5.85
Relative evaporation rate (butylacetate=1)	: Not applicable
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 110 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: Negligible vapour pressure at ambient conditions
Relative vapour density at 20 °C	: Not applicable
Relative density	: No data available
Density	: 1.12 g/cm <sup>3</sup> @ 20 °C
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available

# AGRITONE

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Viscosity, dynamic	: No data available
Explosive properties	: Not explosive.
Oxidising properties	: Non oxidizing.
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Alcohols, C9-11, ethoxylated (68439-46-3)

LD50 oral rat	1400 mg/kg
---------------	------------

#### 1-Naphthaleneacetamide (86-86-2)

LD50 oral rat	1650 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat	> 2.17 mg/l/4h

#### ALPHA NAPHTYLACETIC ACID (86-87-3)

LD50 oral rat	1750 mg/kg 1-NAA
LD50 dermal rat	> 2000 mg/kg 1-NAA
LC50 Inhalation - Rat	> 0.45 mg/l 1-NAA

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified pH: 5.85
Serious eye damage/irritation	: Causes serious eye irritation. pH: 5.85
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified

#### ALPHA NAPHTYLACETIC ACID (86-87-3)

NOAEL (animal/male, F0/P)	62 mg/kg 1-NAA
NOAEL (animal/male, F1)	188 mg/kg 1-NAA

STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

#### 1-Naphthaleneacetamide (86-86-2)

NOAEL (oral, rat, 90 days)	5 mg/kg bodyweight/day
NOAEL, rat, Dermal	300 mg/kg (21 days, 1-NAD)

# AGRITONE

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

ALPHA NAPHTHYLACETIC ACID (86-87-3)	
NOAEL (oral, rat, 90 days)	10 mg/kg bodyweight/day 1-NAA
NOAEL, rat, Dermal	1000 mg/kg (21 days, 1-NAA)

Aspiration hazard : Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

AGRITONE	
LD50, oral, Apis mellifera (bee)	> 200 µg/bee
LD50, Dermal, Apis mellifera (bee)	> 216,4 µg/bee

1-Naphthaleneacetamide (86-86-2)	
LC50 96h fish	44 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 48h crustacea	> 56 mg/l Daphnia magna (Water flea)
EC50 72h algae	> 100 mg/l Desmodesmus subspicatus
LD50, Apis mellifera (bees), oral	> 138.7 µg/bee (1-NAD)
LD50, Apis mellifera (Honey bee), Dermal	> 100 µg/bee (1-NAD)

ALPHA NAPHTHYLACETIC ACID (86-87-3)	
LC50 96h fish	56 - 100 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 48h crustacea	> 56 - 100 mg/l Daphnia magna (Water flea)
EC50 72h algae	47 mg/l Pseudokirchneriella subcapitata
EC50, Lemna gibba (Duckweed)	5.09 mg/l (336 h)
LD50, Apis mellifera (bee), oral	> 120 µg/bee (1-NAA)
LC50, Apis mellifera (bee), Dermal	> 120 µg/bee (1-NAA)

#### 12.2. Persistence and degradability

1-Naphthaleneacetamide (86-86-2)	
Persistence and degradability	Not readily biodegradable.

ALPHA NAPHTHYLACETIC ACID (86-87-3)	
Persistence and degradability	Not readily biodegradable.

#### 12.3. Bioaccumulative potential

1-Naphthaleneacetamide (86-86-2)	
Log Pow	1.6 @ 25 °C
Bioaccumulative potential	No bioaccumulation.

ALPHA NAPHTHYLACETIC ACID (86-87-3)	
Log Pow	-0.02 @ pH 7
Bioaccumulative potential	No bioaccumulation.

#### 12.4. Mobility in soil

1-Naphthaleneacetamide (86-86-2)	
Surface tension	71.4 mN/m

ALPHA NAPHTHYLACETIC ACID (86-87-3)	
Surface tension	35.9 mN/m @ 25 °C

#### 12.5. Results of PBT and vPvB assessment

Component	
1-Naphthaleneacetamide (86-86-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
ALPHA NAPHTHYLACETIC ACID (86-87-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

#### 12.6. Other adverse effects

Other adverse effects : None.

# AGRITONE

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

- Regional legislation (waste) : Special local collectors can exist.
- Sewage disposal recommendations : Disposal must be done according to official regulations. Do not discharge into drains.
- Product/Packaging disposal recommendations : Do not re-use empty containers. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### SECTION 14: Transport information

In accordance with ADR / IATA / IMDG

ADR	IMDG	IATA
<b>14.1. UN number</b>		
Not regulated	Not regulated	Not regulated
<b>14.2. UN proper shipping name</b>		
Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>		
Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>		
Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>		
Not regulated	Not regulated	Not regulated
No supplementary information available		

#### 14.6. Special precautions for user

##### - Overland transport

Not regulated

##### - Transport by sea

Not regulated

##### - Air transport

Not regulated

#### 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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

##### 15.1.2. National regulations

###### France

Other information, restrictions and prohibition : - regulations

No ICPE	Installations classées Désignation de la rubrique	Code Régime	Rayon
Non visé	Produit non visé par la réglementation ICPE		

###### Germany

VwVwS Annex reference : Water hazard class (WGK) 3, Highly hazardous to water (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

###### Netherlands

# AGRITONE

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SZW-lijst van kankerverwekkende stoffen	: None of the components are listed
SZW-lijst van mutagene stoffen	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	: None of the components are listed

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
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
H302	Harmful if swallowed.
H318	Causes serious eye damage
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.

### NUFARM SDS TEMPLATE

*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.*