

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

1.1. Product identifier

CA Code (Nufarm)	: 2747
Oracle Recipe Code (Nufarm)	: OR2747
Item codes	: IC2747
Product form	: Mixture
Product name	: Allum WG
Type (Nufarm)	: Country specific
Country (Nufarm)	: Morocco

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	: Fungicide

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

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.

2.3. Other hazards

No additional information available

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

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]
Aluminium triethyl triphosphonate	(CAS-No.) 39148-24-8 (EC-No.) 254-320-2 (EC Index-No.) 006-095-00-5	80	Eye Dam. 1, H318
Sodium diisopropylnaphthalenesulfonate	(CAS-No.) 1322-93-6 (EC-No.) 215-343-3	1 - 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319 STOT SE 3, H335

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 to fresh air.
- First-aid measures after skin contact : Take off immediately all contaminated clothing.
- First-aid measures after eye contact : Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Rinse immediately with plenty of water. If eye irritation persists: Consult an eye specialist.
- 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. Sand. Foam. Carbon dioxide (CO₂).
- 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.
- Hazardous decomposition products in case of fire : Carbon oxides (CO, CO₂).

5.3. Advice for firefighters

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

No additional information available

6.2. Environmental precautions

Do not flush into surface water or sewer system. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. The used containers should be properly closed and labelled.
- Other information : Never return spills in original containers for possible later re-use.

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6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Store in a well-ventilated place.

Incompatible materials : Keep away from moisture.

Information on mixed storage : Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs.

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

Respiratory protection:

Effective dust mask

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: Off-white.
Odour	: Sweet.
Odour threshold	: No data available
pH	: 3.6
pH solution concentration	: 10 g/l @ 20°C
Relative evaporation rate (butylacetate=1)	: Not applicable
Relative evaporation rate (ether=1)	: Not applicable
Melting point	: 215 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: 190 - 315
Decomposition temperature	: 277 - 279 °C
Flammability (solid, gas)	: Not auto-flammable
Vapour pressure	: negligible
Relative vapour density at 20 °C	: Not applicable
Relative density	: No data available
Density	: 0.52 g/cm ³
Solubility	: Water: 111.3 g/l (pH 6; 20°C)
Log Pow	: -2.11 pH 6
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosive properties	: Not explosive.

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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

Stable under recommended handling and storage conditions (see section 7).

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Moisture. No decomposition if stored normally.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Fosetyl - Aluminium	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
Aluminium triethyl triphosphonate (39148-24-8)	
LD50 oral rat	5 g/kg
LD50 dermal rabbit	> 2 g/kg
LC50 Inhalation - Rat	> 1.73 mg/l/4h
Sodium diisopropylnaphthalenesulfonate (1322-93-6)	
LD50 oral rat	1350 mg/kg
LD50 dermal rabbit	4200 mg/kg

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: 3.6
Serious eye damage/irritation : Causes serious eye irritation. (Based on available data, the classification criteria are not met)
pH: 3.6
Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met)

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Fosetyl - Aluminium	
LC50 96h fish	> 100 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 48h crustacea	> 200 mg/l Daphnia magna (Water flea)
ErC50 (algae)	46.7 mg/l 96h
EbC50, algae	15.6 mg/l (96 Hours)
Toxicity to soil dwelling organisms, Eisenia fetida (Earthworm)	> 1000 mg/Kg
LD50, Apis mellifera (bee), oral	214.5 µg/bee
LD50, Apis mellifera (bee), Contact	201.6 µg/bee

Aluminium triethyl triphosphonate (39148-24-8)	
LC50 96h fish	430 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 48h crustacea	178 - 365 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
NOEC (acute)	> 800 mg/kg (Exposure time: 14 Days - Species: Eisenia foetida [soil dry weight])

12.2. Persistence and degradability

Aluminium triethyl triphosphonate (39148-24-8)	
Persistence and degradability	Readily biodegradable.
	90 - 103 h

12.3. Bioaccumulative potential

Fosetyl - Aluminium	
Log Pow	-2.11 pH 6

Aluminium triethyl triphosphonate (39148-24-8)	
BCF fish 1	(no bioaccumulation expected)
Log Pow	-2.28 - 2.77 (at 23 °C)

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

Additional information : No other effects known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of in accordance with relevant local regulations.

Product/Packaging disposal recommendations : Discharging into rivers and drains is forbidden. Do not re-use empty containers. Do not remove as household garbage. Dispose of empty packaging via specific collection services.

SECTION 14: Transport information

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

ADR	IMDG	IATA
14.1. UN number		
Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
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

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- 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

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed.
H318	Causes serious eye damage
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
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.