



**NitroFarm**  
— since 1976 —



Page 1/8

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 20.04.2023

Version number 1.2 (replaces version 1.1)

Revision: 20.04.2023

**\* 1 Identification of the substance/mixture and of the company/undertaking**

· **Product identifier**

· **Trade name:** ALAKAZAM 500 WG

· **UFI:** WYY2-G06E-K004-FPDV

· **Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

· **Application of the substance / the mixture** Fungicide

· **Details of the supplier of the safety data sheet**

· **Supplier:**

NITROFARM SA, IN.AR.T.H. - SINDOS SQ 20,

K35-55, PC 57022 THESSALONIKI

E-Mail [info@nitrofarm.gr](mailto:info@nitrofarm.gr), Website [www.nitrofarm.gr](http://www.nitrofarm.gr)

Tel.: 2310 553354-7, Fax: 2310 545235

· **Further information obtainable from:** product safety department

· **Emergency telephone number:**

Tel. Poison Center: 210-7793777

**2 Hazards identification**

· **Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

· **Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the GB CLP regulation.

· **Hazard pictograms**



GHS07

· **Signal word** Warning

· **Hazard-determining components of labelling:**

Isotridecanol branched, ethoxylated

Docusate sodium

Naphthalenesulfonic acid, methyl-, polymer with formaldehyde, sodium salt

· **Hazard statements**

H319 Causes serious eye irritation.

· **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P264 Wash thoroughly after handling.

(Contd. on page 2)

— GB —

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(Contd. of page 1)

P280 Wear 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.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:**

SP 1: 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).

EUH 208: Contains Disodium maleate. May produce an allergic reaction.

- **Other hazards**

- **Results of PBT and vPvB assessment**

- PBT: Not applicable.

- vPvB: Not applicable.

### 3 Composition/information on ingredients

- **Mixtures**

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 158062-67-0	Flonicamid ⚠ Acute Tox. 4, H302	25-50%
CAS: 1332-58-7	Kaolin substance with a Community workplace exposure limit	10-25%
CAS: 577-11-7 EINECS: 209-406-4 Reg.nr.: 01-2119491296-29	Docusate sodium ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315	≥3-<10%
CAS: 69011-36-5	Isotridecanol branched, ethoxylated ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	≥3-≤10%
CAS: 81065-51-2 Reg.nr.: 01-2120771866-38-0000	Naphthalenesulfonic acid, methyl-, polymer with formaldehyde, sodium salt ⚠ Eye Dam. 1, H318	≥3-≤10%
CAS: 371-47-1	Disodium maleate ⚠ Skin Sens. 1, H317	≥0.1-<1%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First aid measures

- **Description of first aid measures**

- **After skin contact:** Generally the product does not irritate the skin.

- **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:** If symptoms persist consult doctor.

- **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

- **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5 Firefighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

- **Special hazards arising from the substance or mixture** No further relevant information available.

- **Advice for firefighters**

- **Protective equipment:** No special measures required.

(Contd. on page 3)

# Safety data sheet

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Revision: 20.04.2023

Trade name: ALAKAZAM 500 WG

(Contd. of page 2)

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Dispose contaminated material as waste according to section 13.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 7 Handling and storage

- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
  - *Requirements to be met by storerooms and receptacles:* No special requirements.
  - *Information about storage in one common storage facility:* Not required.
  - *Further information about storage conditions:* Keep container tightly sealed.
  - *Storage class (TRGS):* 11
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**1332-58-7 Kaolin**

WEL (Great Britain) Long-term value: 2 mg/m<sup>3</sup>

· **DNELs**

**69011-36-5 Isotridecanol branched, ethoxylated**

Dermal	DNEL Long-term – dermal, systemic effects	2,080 mg/kg_bw/d (Worker)
Inhalative	DNEL Long-term – inhalation, systemic effects	294 mg/m <sup>3</sup> /d (Worker)

· **PNECs**

**69011-36-5 Isotridecanol branched, ethoxylated**

PNEC short term, fresh water	0.074 mg/l (Aquatic organisms)
PNEC short term, sea water	0.0074 mg/l (Aquatic organisms)
PNEC short term, sewage plant	1.4 mg/l (Aquatic organisms)
PNEC short term fresh water sediment	0.604 mg/kg (Aquatic organisms)
PNEC short term soil	0.1 mg/kg (terrestrial organisms)
PNEC short term sea water sediment	0.0604 mg/kg (Aquatic organisms)
PNEC short term, intermittent releases	0.015 mg/l (Aquatic organisms)

· **Additional information:** The lists valid during the making were used as basis.

- **Exposure controls**

- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.  
Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required.

(Contd. on page 4)

# Safety data sheet

## according to 1907/2006/EC, Article 31

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Version number 1.2 (replaces version 1.1)

Revision: 20.04.2023

**Trade name: ALAKAZAM 500 WG**

(Contd. of page 3)

· *Hand protection*

Protective gloves

· *Material of gloves*

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· *Penetration time of glove material*

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· *Eye/face protection*

Tightly sealed goggles

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**· **General Information**

· <i>Physical state</i>	Solid
· <i>Colour:</i>	Brown
· <i>Odour:</i>	Ammonia-like
· <i>Odour threshold:</i>	Not determined.
· <i>Melting point/freezing point:</i>	Undetermined.
· <i>Boiling point or initial boiling point and boiling range</i>	Undetermined.
· <i>Flammability</i>	Not determined.
· <i>Lower and upper explosion limit</i>	
· <i>Lower:</i>	Not determined.
· <i>Upper:</i>	Not determined.
· <i>Flash point:</i>	Not applicable.
· <i>Decomposition temperature:</i>	Not determined.
· <i>pH at 20 °C</i>	8.3
· <i>Viscosity:</i>	
· <i>Kinematic viscosity</i>	Not applicable.
· <i>Dynamic:</i>	Not applicable.
· <i>Solubility</i>	
· <i>water:</i>	Soluble.
· <i>Partition coefficient n-octanol/water (log value)</i>	Not determined.
· <i>Vapour pressure:</i>	Not applicable.
· <i>Density and/or relative density</i>	
· <i>Density at 20 °C:</i>	0.543 g/cm <sup>3</sup>
· <i>Relative density</i>	Not determined.
· <b>Density (@15°C)</b>	Not determined.
· <i>Vapour density</i>	Not applicable.
· <i>Particle characteristics</i>	See section 3.

· **Other information**· **Appearance:**· *Form:* Granulate· **Important information on protection of health and environment, and on safety.**· *Ignition temperature:* Product is not selfigniting.· *Explosive properties:* Product does not present an explosion hazard.

(Contd. on page 5)

# Safety data sheet

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Revision: 20.04.2023

**Trade name: ALAKAZAM 500 WG**

(Contd. of page 4)

· Solvent content:	
· Solids content:	100.0 %
· <b>Change in condition</b>	
· Evaporation rate	Not applicable.
· <b>Information with regard to physical hazard classes</b>	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

## 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:		
<b>ATE (Acute Toxicity Estimates)</b>		
Oral	LD50	>1,877-3,249 mg/kg (rat)
<b>158062-67-0 Flonicamid</b>		
Oral	LD50	1,768 mg/kg /female (rat)
Dermal	LD50	>5,000 mg/kg (rat)
Inhalative	CL50 4h	>4.9 mg/l (rat)
<b>577-11-7 Docusate sodium</b>		
Oral	LD50	>3,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)
<b>69011-36-5 Isotridecanol branched, ethoxylated</b>		
Oral	LD50	200-2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
	Acute toxicity estimates	500 mg/kg (rat)

(Contd. on page 6)

# Safety data sheet

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Revision: 20.04.2023

**Trade name: ALAKAZAM 500 WG**

(Contd. of page 5)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Information on other hazards**

· <b>Endocrine disrupting properties</b>
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None of the ingredients is listed.
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## 12 Ecological information

- **Toxicity**

· <b>Aquatic toxicity:</b>
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<b>69011-36-5 Isotridecanol branched, ethoxylated</b>	
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LC50 (96h) mg/ltr.	1-10 mg/ltr (Fish) (OECD 203)
EC50 (48h)	1-10 mg/l (Daphnia magna) (OECD 202)
	1-10 mg/l (daphnia)
EC50 (72h)	1-10 mg/l (Scenedesmus quadricauda) (OECD 201)
	>1 mg/l (algae)

· <b>Persistence and degradability</b>
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69011-36-5	Isotridecanol branched, ethoxylated	>60 %
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· <b>Bioaccumulative potential</b>
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69011-36-5	Isotridecanol branched, ethoxylated	4,9
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- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **Other adverse effects** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· <b>European waste catalogue</b>
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HP4	Irritant - skin irritation and eye damage
HP6	Acute Toxicity

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

(Contd. on page 7)

# Safety data sheet

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Trade name: ALAKAZAM 500 WG

(Contd. of page 6)

### 14 Transport information

· UN number or ID number · ADR, IMDG, IATA	not regulated
· UN proper shipping name · ADR, IMDG, IATA	not regulated
· Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class	not regulated
· Packing group · ADR, IMDG, IATA	not regulated
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.
· Maritime transport in bulk according to IMO instruments	Not applicable.
· UN "Model Regulation":	not regulated

### 15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture: (Substances not listed)
None of the ingredients is listed.
· Directive 2004/42/EC
· Directive 2012/18/EU
· Named dangerous substances - ANNEX I None of the ingredients is listed.
· REGULATION (EU) 2019/1148
· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
None of the ingredients is listed.
· Annex II - REPORTABLE EXPLOSIVES PRECURSORS
None of the ingredients is listed.
· Regulation (EC) No 273/2004 on drug precursors
None of the ingredients is listed.
· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors
None of the ingredients is listed.
· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### 16 Other information

#### · Disclaimer

This safety data sheet contains only safety relevant information. The information is based on the state of our knowledge at the time of revision, however, it does not constitute a guarantee of product properties, product information or product specifications and does not establish a contractual legal relationship. This document is only valid in its unchanged form. In the event of changes by third parties, the exhibitor accepts no responsibility for form and content or for any damages or claims arising from such changes. The information is not transferable to other products. If the product named in this safety data sheet is mixed, blended or processed with other materials or is subjected to processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise. The data sheet does not release the user from the obligation to ensure that he acts in accordance with all regulations in connection with his activity.

(Contd. on page 8)

# Safety data sheet

## according to 1907/2006/EC, Article 31

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**Trade name: ALAKAZAM 500 WG**

(Contd. of page 7)

· **Relevant phrases**

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

· **Department issuing SDS:** Product Safety Department· **Contact:** MSDS authorized Person· **Version number of previous version:** 1.1· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

· **\* Data compared to the previous version altered.**

— GB —