



NATURNOVA
URTICAL / ADAMFO PA

Version 1 Issue date: 09/20/2024
Version 3 (replaces version 2)

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY OR UNDERTAKING.

1.1 Product identifier.

Product name: ADAMFO PA / URTICAL
Product code: MF0027

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

Basic Substance Regulation 1107/2009
Formulation of fertilizer products

Uses not recommended:
Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company: Zhengzhou Lubing Maoyi Co., Ltd
Address: Address: room 918, unit 1 building 9, Yuanxinyuanshijia,
Population: Nongke rd n.9, Jinshui district, Zhengzhou city
Province: +393518063188//+8618603821831
Telephone: luca@naturnova.it
Email: www.naturnova.it
Web:

1.4 Emergency telephone number: National Institute of Toxicology: 915620420 (Only available during office hours; Monday-Friday; 08:00-18:00)

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the substance or mixture.

The product is not classified as dangerous according to Regulation (EC) No 1272/2008.

2.2 Label elements.

2.3 Other dangers.

The mixture does not contain substances classified as PBT (Persistent, Bioaccumulative and Toxic).
The mixture does not contain substances classified as vPvB (very Persistent and very Bioaccumulative).
The mixture does not contain substances with endocrine disrupting properties.

Under normal use and in its original form, the product does not have any other negative effects on health and the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

CAS 84012-40-8 (Urtica dioica extract) or CAS 90131-83-2 (Urtica urens extract)

3.2 Mixtures.

This mixture does not contain substances with a concentration above the values established in Annex II of Regulation (EC) 1907/2006 and subsequent modifications, which represent a danger to health or the environment, nor are they assigned a community exposure limit. in the workplace, nor are they classified as PBT/vPvB or included in the Candidate List.

SECTION 4: FIRST AID.

Zhengzhou Lubing Maoyi Co., Ltd
Address: room 918, unit 1 building 9, Yuanxinyuanshijia, Nongke rd n.9,
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4.1 Description of first aid.

Due to the composition and type of substances present in the preparation, no particular warnings are necessary.

Inhalation.

If breathing stops, seek urgent medical attention. Place the injured person in the open air, keep him warm and at rest, if breathing is irregular or stops, practice artificial respiration.

Eye contact.

Remove contact lenses, if present and easy to do. Flush eyes thoroughly with clean, cool water for at least 10 minutes, pulling up the eyelids, and seek medical attention.

Skin contact.

Remove contaminated clothing.

Ingestion.

Keep him at rest. NEVER induce vomiting.

4.2 Main symptoms and effects, acute and delayed.

There are no known acute or delayed effects from exposure to the product.

4.3 Indication of any medical attention and special treatments that must be provided immediately.

In cases of doubt, or when symptoms of discomfort persist, seek medical attention. Never administer anything orally to people who are unconscious.

SECTION 5: FIRE FIGHTING MEASURES.

5.1 Extinguishing media.

Appropriate extinguishing media: Fire

extinguishing powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media: Do not use direct water jet for extinguishing. In the presence of electrical voltage, it is not acceptable to use water or foam as an extinguishing medium.

5.2 Specific hazards arising from the substance or mixture.

Special risks.

Exposure to combustion or decomposition products can be harmful to health.

5.3 Recommendations for firefighting personnel.

Cool tanks, cisterns or containers close to the heat or fire source with water. Take into account the direction of the wind.

Fire protection equipment.

Depending on the magnitude of the fire, the use of heat protection suits, self-contained breathing apparatus, gloves, protective glasses or face masks, and boots may be necessary.

SECTION 6: MEASURES IN CASE OF ACCIDENTAL RELEASE.

6.1 Personal precautions, protective equipment and emergency procedures.

For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.

Product not classified as dangerous for the environment, avoid any spillage as much as possible.

6.3 Methods and material for containment and cleaning.

Contain and collect the spill with inert absorbent material (soil, sand, vermiculite, diatomaceous earth...) and clean the area immediately with an appropriate decontaminant.

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Deposit waste in closed containers suitable for disposal, in accordance with local and national regulations (see section 13).

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For waste disposal, follow the recommendations in section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

The product does not require special handling measures, the following general measures are recommended: For personal protection, see section 8.

Smoking, eating and drinking should be prohibited in the application area.

Comply with legislation on safety and hygiene at work.

Never use pressure to empty the containers, they are not pressure-resistant containers. Keep the product in containers made of material identical to the original.

7.2 Conditions for safe storage, including possible incompatibilities.

The product does not require special storage measures.

As general storage conditions, sources of heat, radiation, electricity and contact with food should be avoided.

Keep away from oxidizing agents and strongly acidic or alkaline materials.

Store containers between 5 and 35 °C, in a dry and well-ventilated place.

Store according to local legislation. Observe the indications of the tag. Once the containers have been opened, they must be carefully resealed and placed vertically to avoid spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Specific end uses.

Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

The product does NOT contain substances with Environmental Limit Values for Professional Exposure. The product does NOT contain substances with Biological Limit Values.

8.2 Exposure controls.

Technical measures:

Concentration:	100 %
Applications:	Basic Substance Regulation 1107/2009 Formulation of fertilizer products
Respiratory protection:	
If the recommended technical measures are followed, no personal protective equipment is necessary.	
Hand protection:	
If the product is handled correctly, no personal protective equipment is necessary.	
Eye protection:	
If the product is handled correctly, no personal protective equipment is necessary.	
Skin care:	
PPE: Features:	Work shoes
CEN Standards:	«CE» Category II marking. EN ISO 13287, EN 20347
Maintenance:	These items adapt to the shape of the foot of the first user. For this reason, as well as for hygiene reasons, reuse by another person should be avoided.
Observations:	Work footwear for professional use is that which incorporates protective elements intended to protect the user from injuries that could cause accidents; the work for which this footwear is suitable must be reviewed.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Physical state: Liquid
Colour: Greenish-Green

Odour: Nettle

Odor threshold: Not applicable/Not available due to the nature/properties of the product.

Melting point: Not applicable/Not available due to the nature/properties of the product.

Freezing point: Not applicable/Not available due to nature/properties of the product.

Boiling Point/Initial Point/Range: Not applicable/Not available due to nature/properties of the product.

Flammability: Not applicable/Not available due to nature/properties of the product.

Lower explosion limit: Not applicable/Not available due to the nature/properties of the product.

Upper explosion limit: Not applicable/Not available due to the nature/properties of the product.

Flash point: Not applicable/Not available due to the nature/properties of the product.

Autoignition temperature: Not applicable/Not available due to the nature/properties of the product.

Decomposition temperature: Not applicable/Not available due to the nature/properties of the product. pH:

6-6.5 (100%) (pH-Meter/Potentiometric/Electrometric Method)

Kinematic Viscosity: Not applicable/Not available due to the nature/properties of the product.

Solubility: Not available due to the nature/properties of the product.

Water solubility: 100%

Liposolubility: Not available due to the nature/properties of the product.

Partition coefficient (n-octanol/water)(log value): Not applicable/Not available due to the nature/properties of the product.

Vapor Pressure: Not applicable/Not available due to nature/properties of the product.

Absolute density: 1 kg/m³ (Estimation/Calculation)

Relative density: 1 (Hydrostatic balance (ISO 1183 (A)))

Vapor density: Not applicable/Not available due to the nature/properties of the product.

Particle characteristics: Not applicable/Not available due to the nature/properties of the product.

9.2 Other data.

Not applicable/Not available due to the nature/properties of the product.

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

The product does not present dangers due to its reactivity.

10.2 Chemical stability.

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

10.3 Possibility of hazardous reactions.

The product does not present the possibility of dangerous reactions.

10.4 Conditions to avoid.

Avoid any type of incorrect handling.

10.5 Incompatible materials.

Keep away from oxidizing agents and strongly alkaline or acidic materials, in order to avoid exothermic reactions.

10.6 Hazardous decomposition products.

It does not decompose if it is used for its intended uses.

SECTION 11: TOXICOLOGICAL INFORMATION.

11.1 Information on the hazard classes defined in Regulation (EC) No. 1272/2008.

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No data available on product tested.

a) acute toxicity;
Inconclusive data for classification.

reproductive toxicity;
Inconclusive data for classification.

b) skin corrosion or irritation;
Inconclusive data for classification.

specific target organ toxicity (STOT) - single exposure;
Inconclusive data for classification.

c) serious eye injuries or eye irritation;
Inconclusive data for classification.

specific target organ toxicity (STOT) - repeated exposure;
Inconclusive data for classification.

d) respiratory or skin sensitization;
Inconclusive data for classification.

danger due to
aspiration; Inconclusive data for classification.

e) mutagenicity in germ cells; Inconclusive
data for classification.

f) carcinogenicity;
Inconclusive data for classification.

11.2 Information regarding other hazards.

Endocrine disrupting properties.

This product does not contain components with endocrine disrupting properties with effects on human health.

Other data.

There is no information available on other adverse health effects.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

There is no information available regarding the Ecotoxicity of the substances present.

12.2 Persistence and degradability.

There is no information available regarding the biodegradability of the substances present. There is no information available regarding the degradability of the substances present. There is no information available on the persistence and degradability of the product.

12.3 Bioaccumulative potential.

There is no information available regarding the Bioaccumulation of the substances present.

12.4 Mobility on the ground.

There is no information available on mobility on the ground. The product should not be allowed to enter sewers or water courses.

12.5 Results of the PBT and vPvB assessment.

There is no information available on the PBT and vPvB rating of the product.

12.6 Endocrine disrupting properties.

This product does not contain components with endocrine disrupting properties on the environment.



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12.7 Other adverse effects.

The product is not affected by Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

There is no information available on other adverse effects on the environment.

SECTION 13: DISPOSAL CONSIDERATIONS.

13.1 Methods for waste treatment.

It is not allowed to be discharged into sewers or water courses. Waste and empty containers must be handled and disposed of in accordance with current local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: INFORMATION RELATING TO TRANSPORTATION.

It is not dangerous in transport. In case of accident and spillage of the product, act according to point 6.

14.1 UN number or ID number.

It is not dangerous in transport.

14.2 Proper shipping name of the United Nations.

Description:

ADR/RID: Not dangerous in transport.

IMDG: Not dangerous in transport.

ICAO/IATA: Not dangerous in transport.

14.3 Transport hazard class(es).

It is not dangerous in transport.

14.4 Packing group.

It is not dangerous in transport.

14.5 Environmental hazards.

It is not dangerous in transport.

Transport by ship, FEm - Emergency sheets (F – Fire, S – Spills): Not applicable.

14.6 Special precautions for users.

It is not dangerous in transport.

14.7 Sea transport in bulk according to IMO instruments.

It is not dangerous in transport.

SECTION 15: REGULATORY INFORMATION.

15.1 Safety, health and environmental regulations and legislation specific to the substance or mixture.

The product is not affected by Regulation (EU) No 528/2012 regarding the marketing and use of biocides.

The product is not affected by the procedure established in Regulation (EU) No 649/2012, relating to the export and import of dangerous chemicals.

15.2 Chemical safety assessment.

A chemical safety assessment of the product has not been carried out.

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SECTION 16: OTHER INFORMATION.

Modifications compared to the previous version:

- Modifications in first aid (SECTION 4.1).
- Modification in the values of the physical-chemical properties (SECTION 9).

Classification and procedure used to determine the classification of mixtures according to Regulation (EC) No. 1272/2008 [CLP]:

Physical hazards	According to data obtained from the tests
Health hazards	Calculation method
Environmental hazards	Calculation method

It is recommended to use the product only for the intended uses.

Abbreviations and acronyms used: CEN:
European Committee for Standardization.
AND: Personal protection equipment.

Main bibliographic references and data sources: <http://eur-lex.europa.eu/homepage.html> <http://echa.europa.eu/>
Regulation (EU) 2020/878.
Regulation (EC) No 1907/2006.
Regulation (EC) No 1272/2008.

The information provided in this Safety Data Sheet has been prepared in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006. of the European Parliament and of the Council, concerning the registration, evaluation, authorization and restriction of chemical substances and mixtures (REACH).

The information in this Product Safety Data Sheet is based on current knowledge and current EC and national laws, as the working conditions of users are beyond our knowledge and control. The product should not be used for purposes other than those specified, without first having written instructions on its handling. It is always the user's responsibility to take the appropriate measures in order to comply with the requirements established in the legislation.