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

1.1. Product identifier: **ORGANZA**

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

Identified use of the mixture: **plant protection product.**

Use advised against: any other use beyond the label-instructions for use of PPs.

1.3. Details of the supplier of the safety data sheet

ZemlyakoFF Europe Limited Sp. Z o.o.

Al. Wilanowska 83/52 02-765 Warszawa, Poland

1.4. Emergency telephone number

32 61-56-330 or 604 09 75 89 (Company office: Mon-Fri 8.00-16.00)

Nati onwide Emergency Number 112

SECTION 2: Identification of threats

2.1. Classification of the substance or mixture

Physicochemical hazards:

The product is not classified into any of the hazard categories.

Health Hazards:

Acute toxicity, category 4. Harmful if
swallowed. Cat. 4 inhalation toxicity.
Harmful if inhaled.

Environmental hazards:

Hazardous to the aquatic environment, acute hazard, category 1.

H400 Very toxic to aquatic organisms.

Hazardous to the aquatic environment, chronic hazard, category

1. H410 Very toxic to aquatic life with long lasting effects.

2.2. Label elements



Pictograms:

Signal word: **Warning**

Hazard statements:

H302 Harmful if swallowed.

H332 Harmful if inhaled

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing mist / vapors / spray

P270 Do not eat, drink or smoke while using the product.

P273 Avoid release to the environment.

P280 Use protective gloves, protective clothing, eye protection.

P312 Consult a doctor if you feel unwell.

P501 Send the contents / container to an authorized hazardous waste disposal plant.

2.3. Other hazards : *Contains no substances identified as meeting the PBT or vPvB criteria.*

SECTION 3: Composition / information on ingredients

3.2. Mixture

Name: **acetamiprid I (E) -N1 - [(6-chloro-3-pyridyl) methyl] -N2-cyano-N1-methylacetamidine**

Contents: 9.1%

EC number: does not have

CAS No .: 135410-20-7

Index number: 608-032-00-2

Classification: Acute Tox. 4 H302; Aquatic Chronic 3 H412

.....
...Name: **lambda-cyhalothrin**

Contents: 9.1%

EC number: 415-130-7

CAS No .: 91465-08-6

Index number: 607-252-00-6

Classification: Acute Tox. 3 H301; Acute Tox. 4 H312; Acute Tox. 2 H330;

Aquatic Acute 1 H400; Aquatic Chronic 1 H410

Reference to other sections: the full text of the phrases is included in section 16 of the sheet.

SECTION 4: First aid measures

4.1. Description of first aid measures

In the event of an accident or if you feel unwell, immediately seek medical attention (if possible, show the instructions for use or the safety data sheet).

First-aid: Pay attention to self-protection.

Inhalation exposure

Take the injured out of the place of exposure to fresh air. Provide fresh air, consult doctor depending on symptoms. If the victim is unconscious, place him / her in a stable sitting position and call a doctor.

Contamination of the skin

Remove contaminated, soaked clothing immediately, wash contaminated body surfaces immediately with soap and plenty of water. If skin irritation (redness) occurs, consult a doctor.

Eye contamination

Immediately flush eyes with plenty of clean running water. After initial flushing, remove any contact lenses, and continue flushing for at least 15 minutes. If symptoms persist, call an ophthalmologist.

After eating

Rinse mouth thoroughly. Do not induce vomiting . **Consult a physician immediately** . If vomiting occurs, keep the head down so that stomach contents do not enter the lungs. Note: if the injured person is unconscious or loses consciousness, do not give any drinks or medications orally.

4.2. The most important acute and delayed symptoms and effects of exposure

Symptoms of poisoning

- by inhalation: headache or dizziness, irritation of the respiratory system
- after eye contact: irritation, redness of the eyes
- after skin contact: may cause redness, irritation
- after ingestion: possible nausea, abdominal pain

4.3. Indication of any immediate medical aid and special treatment of the sufferer**Information on first aid for doctors**

Antidote - none. Treat symptomatically.

SECTION 5: Fire-fighting measures

General recommendations

Remove unauthorized persons from the endangered area, not participating in the fire fighting.

Remove all sources of ignition, do not smoke. If necessary, call the fire brigade, tel. 998.

Do not inhale fumes resulting from fire or explosion. Cool endangered containers with water. Isolate contaminated firefighting water, prevent it from reaching sewage system or sewage. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with regulations

5.1. Extinguishing media

Suitable extinguishing media: e.g. foam, carbon dioxide), dry powder or water fog extinguishers
(CO₂)

Unsuitable extinguishing media: Do not use water in the form of a strong water stream. The running offwater should be limited, e.g. with a temporary earth barrier.

5.2. Particular hazards related to the substance or mixture

In the event of fire, volatile toxic products of thermal decomposition may develop: nitrogen oxides (NO_x), carbon oxides.

5.3. Information for fire brigades

Wear respiratory protective equipment with a self-contained breathing apparatus, protective gloves and rubber shoes.

In the event of a fire in confined spaces, wear gas-tight suit with breathing apparatus.

SECTION 6: Proceedings in case of unintentional release to the environment

6.1. Personal precautions, protective equipment and emergency procedures

6.1. 1 *For non-emergency personnel* : Prevent third persons from accessing the contamination site. Avoid direct contact with the mixture. Provide adequate ventilation. Avoid contact with eyes, skin and inhalation. In this case, take into account the danger of slipping.

6.1.2 *For emergency responders* : Avoid contact with the agent and contamination of eyes and skin, do not inhale vapors of the working liquid. Wear appropriate personal protective equipment - protective clothing, protective gloves, goggles or face protection (see section 8). After the end of the rescue operation, take off contaminated clothes and shoes.

6.2. Environmental precautions:

Do not empty into drains. Avoid contamination of surface and ground waters.

In case of rivers or lakes contamination, notify appropriate rescue services.

6.3. Methods and materials preventing the spread of contamination and used for removing contamination

If possible, stop the leak (close the liquid inflow, seal it). Bank the larger spill and pump out the collected liquid. Absorb the remains with an inert absorbent material, eg sand, diatomaceous earth, etc., collect together with heavily contaminated soil to a marked waste container and dispose of as a hazardous material according to the recommendations presented in section 13. Collect contaminated water and transfer to utilization.

6.4. Reference to other sections

Dispose of in accordance with section 13 of *the card sheet* . Use individual protection measures in accordance with section 8.

SECTION 7: Handling and storage of substances and mixtures

7.1. Precautions for safe handling

Observe the health and safety rules and regulations regarding work with chemicals.
Avoid contact with skin and eyes. Do not breathe vapor or mist. Use with good ventilation.

Do not eat, drink or smoke while working. Wash hands and face before eating, drinking or smoking.

Personal protection equipment - see section 8.2

7.2. Conditions for safe storage, including any incompatibilities

Store in original, properly labeled and tightly closed packages, in conditions preventing access by unauthorized persons. Do not store with food, drink and animal feed. Store in dry, well-ventilated and cool rooms.

7.3. Specific end use (s)

Plant protection product. For additional information, contact the manufacturer / supplier.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

NDS, NDSch - not marked

Regulation of the Minister of Labor and Social Policy of November 29, 2002 on the highest permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws 2002 No. 217, item 1833, as amended).

8.2. Exposure controls

8.2.1 Appropriate engineering controls:

Provide good local exhaust ventilation and general ventilation of the room. In case of insufficient ventilation and with high concentration of vapors, use respiratory protection. It is recommended to install eyewashers and safety showers in the vicinity of workplaces.

8.2.2 Individual protection measures:

The necessity to use and selection of appropriate protection measures should take into account the type of risk posed by the product, conditions at the workplace and the manner of handling the product. Use protection measures from reputable manufacturers.

a) *Eye or face protection* :

If there is a risk of liquid splashing into the eye (e.g. when pouring over), use protective goggles in a tight casing (goggles, e.g. EN 166)

b) *Skin protection* :*Hand protection* :

Protective gloves made of natural rubber, butyl rubber, neoprene (polychloropropyl rubber), nitrile and other materials resistant to chemical agents (PN-EN 374-1: 2005). Protective hand cream is recommended

Other : Body protection measures should be selected depending on the activities to be performed and the possible impact, e.g. apron, safety shoes, chemical-resistant protective clothing (in accordance with EN 14605)

c) *Respiratory protection* : During spraying and the presence of high concentration of vapors, use individual respiratory protection with a brown vapor filter and the letter A, A2 P2 (PN-EN 14387: 2006).

Occupational hygiene : General regulations of industrial occupational hygiene apply. Remove contaminated clothing immediately. Wash hands and face before each break at work. Wash the whole body thoroughly after work. Do not eat or drink while using the product. Do not store food and animal feed at work. Wash clothes separately before using them again.

d) *Thermal hazards* : do not occur

8.2.3 Environmental exposure controls

use containers preventing the uncontrolled release of the concentrate into the environment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: liquid, white suspension

Smell: *no data available*)

Odor Threshold: *no data available*

pH : pH 5-7

Melting point / freezing point: <0 ° C

Initial boiling point and boiling range: 100 ° C

Flash-point: *no data available*

Evaporation Rate: *no data available*

Flammability (solid, gas) : not applicable

Flammability limit upper / lower or explosion limit upper / lower: *no data available*

Vapor pressure: *no data available*

Vapor Density: *no data available*

Relative density: 1.1 kg / dm³ (20 ° C)

Solubility: water-soluble

Partition coefficient n-octanol / water: log Pow imazamoks: 0.8; lambda-cyhalothrin: 7

Temperature of self-ignition: *no data available* **Decomposition**

temperature: *no data available*

Viscosity: *no data available*

Explosive properties: *does not have*

Oxidizing properties : *does not have*

9.2. Other informations *no data available*

SECTION 10: Stability and reactivity

10.1. Reactivity

Under the conditions of storage and handling as intended - no reactivity.

10.2. Chemical stability

The mixture is stable under the conditions intended for use and storage.

10.3. Possibility of hazardous reactions

They do not occur under normal conditions of use and storage.

10.4. Conditions to Avoid

Temperatures outside the storage range, direct sunlight.

10.5. Incompatible materials: Avoid contact with strong acids and bases (alkalis) and oxidizing agents.

10.6. Hazardous decomposition products: nitrogen oxides, carbon monoxide,

SECTION 11: Toxicological information

11.1. Information on toxicological effects

11.1.2 Mixtures

Acute toxicity: on the basis of the ingredients, the mixture is hazardous - Harmful if swallowed , **Skin corrosion / irritation** : on the basis of the content of ingredients, the mixture does not meet the criterion under consideration ,

Serious eye damage / eye irritation: contains alicopolyglucoside which causes serious eye damage
Respiratory or skin sensitization : on the basis of the ingredients, the mixture is hazardous - Harmful if inhaled ,

Mutagenic effect on reproductive cells : on the basis of the content of ingredients, the mixture does not meet the criterion under consideration ,

Carcinogenicity: on the basis of the content of ingredients, the mixture does not meet the considered criterion ,

Harmful effect on reproduction : on the basis of the content of ingredients, the mixture does not meet the criterion under consideration ,

Toxic effect on target organs - single exposure, on the basis of the content of ingredients, the mixture does not meet the criterion under consideration ,

Toxic effects on target organs - repeated exposure : on the basis of the content of ingredients, the mixture does not meet the criterion under consideration ,

Aspiration hazard : based on the available data, the classification criteria are not met

Data for the active substance acetamiprid:

Acute oral toxicity: LD₅₀ / rat 146-217 mg / kg

Acute dermal toxicity: LD₅₀ / rat > 2000 mg / kg

Inhalation toxicity: LC₅₀ / rat 290 mg / L / 4h

Skin irritation: does not irritate the skin / rabbit

eye: does not irritate the eye / rabbit

Sensitization: not allergic

Data for the active substance lambda-cyhalothrin:

Acute oral toxicity: LD₅₀ / rat 56-79 mg / kg

Acute dermal toxicity: LD₅₀ / rat 632-696 mg / kg

Inhalation toxicity: no data available

Skin irritation: does not irritate the skin
/ rabbit eye: moderately irritating

Sensitization: not allergic

Information on likely routes of exposure - CAUTION! Product not fully tested

Skin contamination: may cause irritation, allergic skin reaction.

Skin Absorption: may be harmful if absorbed through the skin.

Eye contamination: can cause serious eye damage (from the composition).

Inhalation exposure: may be irritating to mucous membranes and upper respiratory tract.

Consumption: may be harmful if ingested.

SECTION 12: Ecological information**12.1. Toxicity :****No tests are available for the mixture****Data for the active substance acetamiprid:**Toxicity to fish: LC - *Cyprinus carpio* > 100 mg / l / 96 h
50

Toxicity to daphnia and other aquatic invertebrates:

EC - *Daphnia magna* (Water flea) > 100 mg / l / 48 h
50Toxicity to algae: EC - *S. capricornutum* <98.8 mg / l / 120 h
50**Data for the active substance lambda-cyhalothrin:**Toxicity to fish: LC - *Oncorhynchus mykiss* (rainbow trout) 0.36 µg / l / 96 h
50LC 0.21 µg / l / 96 h *Lepomis macrochirus*
50

Toxicity to daphnia and other aquatic invertebrates:

EC - *Daphnia magna* (Water flea) 0.36 µg / l / 48 h
50Toxicity to algae: EC - *Selenastrum capricornutum* > 1000 µg / l
50**12.2. Persistence and degradability :**acetamiprid - easily microbiologically degraded DT 1-30 days
50lambda-cyhalothrin - easily microbiologically degraded DT 23-82 days
50**12.3. Bioaccumulative potential :** no data available**12.4. Mobility in soil :** no data available**12.5. Results of PBT and vPvB assessment :** The

product does not contain any substance that meets the criteria of PBT (persistent, bioaccumulative and toxic) and vPvB (very persistent / bioaccumulative)

12.4. Other adverse effects : The product does not contain substances listed in Annex I to Regulation (EU) 2037/2000 on substances that deplete the ozone layer.

SECTION 13: Disposal of waste

13.1. Waste neutralization methods

Waste disposal

Send the product in the package to an authorized waste recipient.

Do not dispose of together with municipal waste, do not discharge into the sewage system, prevent contamination of ground and surface waters.

Disposal of used packaging:

Empty packages of the preparation should be returned to the seller (distributor or producer) from whom the preparation was purchased.

It is forbidden to burn the packaging in the plant protection product on your own.

IT IS PROHIBITED TO USE EMPTY PACKAGING OF PLANT PROTECTION PRODUCTS FOR OTHER PURPOSES, INCLUDING THEIR TREATMENT AS SECONDARY MATERIALS

Act of December 14, 2012 on waste.

Act of June 13, 2013 on the management of packaging and packaging waste.

SECTION 14: Transport information

- 14.1. UN number 3082
- 14.2. Proper shipping name ENVIRONMENTALLY HAZARDOUS MATERIAL, LIQUID, NOS
- 14.3. Transport hazard class (es) 9
- 14.4. Packing group III
- 14.5. Environmental hazards not applicable
- 14.6. Special precautions for users: classification code: M6; LQ: 7
- 14.7. Transport in bulk according to Annex II to MARPOL 73/78 convention and the IBC Code: not applicable
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SECTION 15: Regulatory Information

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

Information on the national legal status of the substance / mixture : ---**Legal acts :**

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45 / EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769 / EEC and Commission Directive 91/155 / EEC, 93/67 / EEC, 93/105 / EEC and 2000/21 / EC (as amended)
- Commission Regulation (EU) 2015/830 of May 28, 2015. amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)
- Regulation of the Minister of Labor and Social Policy of 6 June 2014 on the maximum allowable concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2014, item 817).
- ADR - European Agreement on the International Carriage of Dangerous Goods by Road (effective from January 1, 2003, Act of June 26, 1974, Labor Code (consolidated act, Journal of Laws 1998 No. 21, item 94)

15.2. Chemical safety assessment: not completed

SECTION 16: Other informations

Product (mixture) classification criteria:

- According to the classification criteria based on the content of hazardous ingredients, ORGANZA is not classified in any of the hazard categories for physico-chemical hazards.
- According to the criteria for the classification of preparations based on the content of hazardous ingredients: in the event of a hazard to humans, ORGANZA is classified as hazardous: Harmful if swallowed. Harmful if inhaled.
- According to the criteria for the classification of preparations based on the content of hazardous ingredients: in the event of a hazard to the environment, ORGANZA is classified as a preparation hazardous to the aquatic environment. Very toxic to aquatic life with long lasting effects.

Changes made when updating the card: not applicable

List of phrases (from point 3 of the card):

Aquatic Acute 1 Hazardous to the aquatic environment, acute hazard, Category 1.H400

Very toxic to aquatic organisms.

Aquatic Chronic 1 Hazardous to the aquatic environment, chronic hazard, Category 1.

H410 Very toxic to aquatic life with long lasting effects.

Aquatic Chronic 3 Hazardous to the aquatic environment, chronic hazard, Category 3.

H422 Harmful to aquatic life with long lasting effects

Acute Tox. 4 H302 Acute toxicity, category 4 Harmful if swallowed

Acute Tox. 3 H301; Acute toxicity, category 3 Toxic if swallowed.

Acute Tox. 4 H312; Acute toxicity, category 4 Harmful in contact with skin.

Acute Tox. 2 H330 Acute toxicity, category 2 Fatal if inhaled.

Update of the safety data sheet: *not applicable*

Recommended restrictions on use: *use in accordance with the label-instructions for use of the preparation.*

Other abbreviations and acronyms :

EC - means the number assigned to a chemical substance in the European Inventory of Existing Chemical Substances (EINECS), or the number assigned to a substance in the European List of Notified Chemical Substances (ELINCS) , or Chemical Listing Number in "No-longer Polymers".

CAS - is a numerical designation assigned to a chemical substance by the American organization Chemical Abstracts Service (CAS), allowing the identification of the chemical

NDS - the highest permissible concentration; weighted mean value of the concentration whose effect per employee during the 8-hour daily and average weekly working time, specified in the Labor Code, during the period of his professional activity should not cause negative changes in his health and in the health of his future generations

STEL - maximum permissible instantaneous concentration - the average value of the concentration of a specific, toxic chemical compound, which should not cause negative changes in the health condition of an employee, if it occurs in the work environment for no longer than 15 minutes and not more often than 2 times during a work shift with an interval of time not less than 1 hour

NDSP - the concentration value of a toxic chemical compound which, due to the threat to the health or life of the employee, may not be exceeded at any time in the work environment

LC₅₀ - Median Lethal Dose: statistically calculated from experimental studies the amount of a chemical that

causes the death of 50% of the organisms tested when administered under specified conditions

LD₅₀ - (Lethal Dose) dose of a substance, calculated in milligrams per kilogram of body weight, needed to

kill 50% of the studied population

EC₅₀ - (effective concentration) statistically calculated concentration of a chemical substance in an

environmental medium, causing specific effects in 50% of the tested organisms of a given population under certain conditions

PBT - a factor that determines whether a substance is persistent, bioaccumulative and toxic

vPvB - a factor that determines whether a substance is very persistent and bioaccumulating to a great extent

UN number - material identification number (UN number, UN number)

ADR - European agreement on the international carriage of dangerous goods by road

Data sources on the basis of which the card was developed:

1. Pesticide Manual (Twelfth Edition). The British Crop Protection Council
2. FAO Specifications For Plant Protection Products
3. ESIS database, <http://esis.jrc.ec.europa.eu>
4. Extoxnet - Oregon State University
5. Material Safety Data Sheets of manufacturers and suppliers and Other company materials

Possibility to obtain further information: *Additional safety information available from the*

*manufacturer***Recommendations for training :** *Use in accordance with the label-instructions for*

use of the product .

The data contained in the safety data sheet are based on our current knowledge and experience and describe the product in terms of safety requirements. These data can in no case be considered as a description of the quality of the goods (product specification). The guarantee of certain properties or the intended use of the product for specific applications cannot be derived from the data contained in the safety data sheet. The recipient of our product is obliged to observe any patent rights as well as existing regulations and provisions on his own.