

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

### 1.1 Product identifier

Trade name: **BIO - SPRAY with geranium oil**

### 1.2 Essential identified uses of the substance or mixture and the uses advised against

Identified uses: Dog and cat care product; for external use.

Uses advised against: All other uses apart from the ones listed further above.

### 1.3 Details regarding the Safety Data Sheet supplier

Manufacturer/distributor: Wytwórnia Chemiczna PESS

Production plant: Nieznanowice 158, 32-420 Gdów, Poland

Sales Office: ul. Ks. Pawlickiego 24, 30-320 Kraków, Poland

Phone: (+48) 12 266 90 98/ (+48) 12 269 12 71

Website: [www.pess.com.pl](http://www.pess.com.pl) [www.pess.eu](http://www.pess.eu)

E-mail: [pess@interia.pl](mailto:pess@interia.pl) [pess@pess.com.pl](mailto:pess@pess.com.pl)

Person in charge of the Safety Data Sheet: Mrs Małgorzata Lorek-Serwatka

E-mail: [pess@interia.pl](mailto:pess@interia.pl)

### 1.4 Emergency phone number

Toxicological Information Unit and Analytical Laboratory, Jagiellonian University, *Collegium Medicum*, Krakow: (+48) 12 411 99 99

Manufacturer/distributor: (+48) 12 266 90 98 (Mon. - Fri.) / 9:00 a.m. - 4:00 p.m.)

## SECTION 2: Hazard identification

### 2.1 Classification of a substance or mixture

Classification of a mixture in line with the Regulation 1272/2008 (CLP)

Skin Sens. 1

Flam. Aerosol 2

As regards all classifications not fully addressed in this section, the unabridged texts are comprised in SECTION 16

### 2.2 Labelling components

Classification of a mixture in line with the Regulation 1272/2008 (CLP)

Pictograms:



Caution:  
Danger

Precautionary statements:

H317 Može powodować reakcję alergiczną w kontakcie ze skórą / Kann allergische Hautreaktionen verursachen / May cause an allergic skin reaction / Puede provocar una reacción alérgica en la piel / Poate provoca o reacție alergică a pielii / Može izazvati alergijsku reakciju na koži

H222 Skrajnie łatwopalny aerosol / Extrem entzündbares Aerosol / Extremely flammable aerosol / Aerosol extremadamente inflamable / Aerosol extrem de inflamabil / Vrlo lako zapaljivi aerosol

H229 Pojemnik pod ciśnieniem: ogrzanie grozi wybuchem / Behälter steht unter Druck: Kann bei Erwärmung bersten / Pressurised container: May burst if heated / Recipiente a presión: Puede reventar si se calienta / Recipient sub presiune: Poate exploda daca este

Incalzit / Spremnik pod tlakom: može se rasprsnuti ako se grije

Statements recommending specific precautionary measures (prevention):

P210 Przechowywać z dala od źródeł ciepła, gorących powierzchni, źródeł iskrzenia, otwartego ognia i innych źródeł zapłonu. Nie palić / Von Hitze, heißen Oberflächen, Funken offenen Flammen sowie anderen Zündquellenarten fernhalten. Nicht rauchen / Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking / Mantener alejado del calor, de superficies calientes, de chispas, de llamas abiertas y de cualquier otra fuente de ignición. No fumar / A se păstra departe de surse de căldură, suprafețe fierbinți, scântei, flăcări și alte surse de aprindere. Fumatul interzis / Čuvati odvojeno od topline, vrućih površina, iskri, otvorenih plamena i ostalih izvora paljenja. Ne pušiti

P211 Nie rozpylać nad otwartym ogniem lub innym źródłem zapłonu. / Nicht gegen offene Flamme oder andere Zündquelle sprühen. / Do not spray on an open flame or other ignition source. / No pulverizar sobre una llama abierta u otra fuente de ignición. / Nu pulverizați deasupra unei flăcări deschise sau unei alte surse de aprindere. / Ne prskati u otvoreni plamen ili drugi izvor paljenja.

P251 Nie przekłuwać ani nie spalać, nawet po zużyciu. / Nicht durchstechen oder verbrennen, auch nicht nach Gebrauch. / Do not pierce or burn, even after use. / No perforar ni quemar, incluso después de su uso. / Nu perforați sau ardeți, chiar și după utilizare. / Ne bušiti, niti paliti čak niti nakon uporabe.

Statements recommending specific precautionary measures (reaction):

P333+P313 W przypadku wystąpienia podrażnienia skóry lub wysypki: Zasięgnąć porady/zgłosić się pod opiekę lekarza / Bei Hautreizung oder -ausschlag: Ärztlichen Rat einholen/ärztliche Hilfe hinzuziehen. / If skin irritation or rash occurs: Get medical advice/attention. / En caso de irritación o erupción cutánea: Consultar a un médico. / În caz de iritare a pielii sau de erupție cutanată: consultați medicul. / U slučaju nadražaja ili osipa na koži: zatražiti savjet/pomoć liječnika.

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Statements recommending specific precautionary measures (storage):

P410+P412 Chronić przed światłem słonecznym. Nie wystawiać na działanie temperatury przekraczającej 50°C/122°F / Vor Sonnenbestrahlung schützen und nicht Temperaturen über 50°C/122°F aussetzen. / Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F / Proteger de la luz del sol. No exponer a temperaturas superiores a 50°C/122°F. / A se proteje de lumina solară. Nu expuneți la temperaturi care depășesc 50°C/122°F. / Zaštitiiti od sunčevog svjetla. Ne izlagati temperaturi višoj od 50°C/122°F.

Supplementary information:

**PRECAUTIONARY MEASURES:** The agent may be used in animals as of 3 months of age. When spraying the agent, make sure to protect the eyes, nose and ears of the animal. After application wash your hands. Do not apply the agent on any cut or irritated skin. Keep out of reach of children.

**DIRECT AND INDIRECT ADVERSE EFFECTS:** not applicable.

**FIRST AID:** In the event of: \* Accidental swallowing: rinse out the mouth, \*contact with the skin: rinse with water and soap; \*contact with the eyes: rinse thoroughly with water; \*inhalation: go outdoors into fresh air. Get medical advice/attention: if symptoms persist, show the agent's original packaging.

Store in the original container only. It is recommended to store the product at 5-25°C, away from any heat and fire sources. Do not freeze. Keep away from any foodstuffs.

### 2.3 Other hazards

No specific hazards have been identified, as long as pertinent regulations/recommendations for storage and handling are strictly followed.

## SECTION 3: Composition/information on the ingredients

### 3.1 Substances

Not applicable.

### 3.2 Mixtures

Chemical characteristics:

Composite agent: in a liquid form, (ethyl alcohol active substance: geranium oil), in aerosol packaging (propellant - propane, butane).

| CHEMICAL NAME                     | CONCENTRATION IN THE PRODUCT [%] weight | CAS/EC No               | INDEX No     | CLASSIFICATION (REGULATION 1272/2008 CLP)   |
|-----------------------------------|---|-------------------------|--------------|---|
| PELARGONIUM GRAVEOLENS FLOWER OIL | 0.5-0.9                                 | 8000-46-2<br>90082-51-2 | N/A          | Eye Dam. 1;<br>H318,<br>Skin Irrit. 2;<br>H315,<br>Skin Sens. 1;<br>H317,<br>Aquatic Chronic 3;<br>H412 |
| Ethyl alcohol                     | 55.6                                    | 64-17-5 /<br>200-578-6  | 603-002-00-5 | Flam. Liq. 2;<br>H225   |

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|         |            |                        |              |                                    |
|---------|------------|------------------------|--------------|------------------------------------|
| Propane | propellant | 74-98-6 /<br>200-827-9 | 601-003-00-5 | Flam. Gas 1;<br>H220<br>Press. Gas |
| Butane  |            | 106-97-8/<br>203-448-7 | 601-004-00-0 | Flam. Gas 1;<br>H220<br>Press. Gas |

As regards all classifications not fully addressed in this section, the unabridged texts are comprised in SECTION 16

## SECTION 4: First-aid measures

### 4.1 Description of first aid measures

Swallowing:

Have the mouth rinsed out with water. If the symptoms appear disturbing, or if you feel unwell, contact a doctor, or the nearest toxicology centre.

Skin contact:

In the event of skin contamination, wash the affected area with soap and water. Should the irritation persist, consult a doctor.

Eye contact:

In the event of a contact with the eyes, keep rinsing the eyes with plenty of water for at least 15 minutes. Call a doctor, if necessary.

Inhalation:

Take the victim outdoors to fresh air. If symptoms are disturbing, or if the victim feels unwell, contact a doctor, or the nearest toxicology centre.

### 4.2 Most important symptoms and effects, both acute and delayed, effects of exposure

The product may cause an allergic reaction, when in contact with the skin.

### 4.3 Indication of any immediate medical attention and special treatment required.

Procedure:

Symptomatic treatment.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing agents

Use the extinguishing agents in line with the actual size and type of fire.

Extinguishing agents: dispersed water streams, carbon dioxide, extinguishing powder, foam.

Inappropriate extinguishing agents: direct water jet.

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

Liquid agent in aerosol packaging, liable to explode when exposed to high temperature (>50°C) or flame. Cool the containers exposed to high temperature with water. If possible, have them removed from the area as a potential hazard

### 5.3 Information for firefighters

Use breathing apparatus/independent breathing apparatus when extinguishing the fire.

Dispose of the fire debris and contaminated extinguishing water in line with the applicable regulations.

## **SECTION 6: Procedures to be applied upon accidental release into the environment**

### **6.1 Personal precautionary measures, protective equipment, and procedures applicable in any emergency situations**

For non-assistance personnel/assistance personnel:

Wear protective clothing and personal protective equipment. Avoid skin contamination.

### **6.2 Environmental precautionary measures**

Prevent any accidental runoff (do not contaminate) into the drains/surface water/ground water.

### **6.3 Methods and material for containment of contamination and its subsequent clean-up**

The contaminated area should be isolated - the source of environmental contamination should be cut off. Protect water sources. Use dry, natural, vegetable sorbents. Collect the waste in marked containers and dispose of it in accordance with the applicable regulations.

### **6.4 References to other sections**

Data on restrictions, control of exposure, personal protective equipment, and waste disposal guidelines may be found in SECTION 8 and SECTION 13.

## **SECTION 7: Handling and storage of substances and mixtures**

### **7.1 Precautions for safe handling**

Wash hands thoroughly after use. Keep out of reach of children.

### **7.2 Conditions for safe storage, including any respective incompatibilities**

Store the product in its original packaging only. It is recommended to store the product at away from heat and fire sources. Do not freeze. Store away from any foodstuffs. Keep well away from children's reach.

### **7.3 Specific end use(s)**

None

## **SECTION 8: Control of exposure/personal protection measures**

### **8.1 Control parameters**

Maximum permissible concentration in the working environment (NDS, NDSch, NDSP):  
for a mixture - no data available

### **8.2 Exposure controls**

For a mixture - no special personal protective equipment required

For a chemical substance

Technical control measures:

Use exhaust ventilation at the workstation.

Personal protective equipment:

Respiratory tract/eye protection - wear full face masks with a filter/filter (e.g. EN136 type).

Skin protection - wear protective clothing and footwear, chemical-resistant protective gloves (e.g. nitrile, regarding prolonged direct contact - Protection Factor 6 is

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recommended). Select the protective clothing appropriate for the type of activities to be pursued and potential effects.

Thermal hazards - no special protection required.

Environmental exposure controls - Prevent the substance from infiltrating into the environment, sewage system/surface water/ground water.

General safety and hygiene instructions - Do not eat, drink, or smoke, when pursuing work duties. Follow the precautionary measures recommended for handling chemical agents.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|   |  |
|---|--|
| (a) Appearance  | under normal conditions, colourless liquid, when the valve is pressed, sprayed as fine droplets, fast-dropping mist characteristic of geranium oil |
| (b) Odour   | not determined   |
| (c) Odour threshold   | not determined   |
| (d) pH  | approx. 7  |
| (e) Melting point/freezing point                                  | N/A  |
| (f) Initial boiling point and boiling range                       | approx. 78°C   |
| (g) Flash point   | Ethyl alcohol: 17°C  |
| (h) Evaporation rate  | not determined   |
| (i) Flammability  | N/A  |
| (j) Upper/lower flammability limit or upper/lower explosive limit | Ethyl alcohol: 3.5% vol./15% vol.  |
| (k) Vapour pressure   | Ethyl alcohol: (20°C): approx. 59hPa   |
| (l) Vapour density  | N/A  |
| (m) Relative density  | Ethyl alcohol: 0.8033 – 0.8189g/cm <sup>3</sup>  |
| (n) Solubility  | in water: limitless  |
| (o) Apportionment coefficient:<br>n-octanol/water                 | not determined   |
| (p) Self-ignition temperature                                     | Ethyl alcohol: 425°C   |
| (q) Decomposition temperature                                     | not determined   |
| (r) Viscosity   | not determined   |
| (s) Explosive properties  | upon heating the container above 50°C  |
| (t) Oxidising properties  | N/A  |

### 9.2 Other information

No other information available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

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No hazardous reactions as long as storage and handling instructions are strictly followed (SECTION 7).

## 10.2 Chemical stability

The product is stable under the specified storage conditions (SECTION 7).

## 10.3 Potential for hazardous reactions

Not known, as long as the product is stored and used as recommended (SECTION 7).

## 10.4 Conditions to be avoided

See SECTION 7.

## 10.5 Incompatible materials

Not identified.

## 10.6 Hazardous decomposition products

No hazardous decomposition products have been identified whatsoever, as long as the recommendations for use and storage of the product are strictly followed (SECTION 7).

## SECTION 11: Toxicological information

The product has not been tested, a scope of information comprised in this section is based on the chemical data indicated in SECTION 3.

### 11.1 Information on toxicological effects

#### (a) acute toxicity

Mixture: The product is not classified as hazardous in this class.

#### (b) Skin corrosion/irritation

Mixture: The product is not classified as hazardous in this class.

#### (c) serious eye damage/irritation

Mixture: The product is not classified as hazardous in this class.

#### (d) respiratory or skin allergy

Geranium oil: may cause allergy when in contact with the skin

Mixture: may cause allergy when in contact with the skin

#### (e) germ cell mutagenicity

Mixture: The product is not classified as hazardous in this class.

#### (f) Carcinogenicity

Mixture: The product is not classified as hazardous in this class.

#### (g) reproductive toxicity

Mixture: The product is not classified as hazardous in this class.

#### (h) Target organ toxicity - single exposure

Mixture: The product is not classified as hazardous in this class.

#### (i) Specific target organ toxicity - repeated exposure

Mixture: The product is not classified as hazardous in this class.

#### (j) hazard due to aspiration

Mixture: The product is not classified as hazardous in this class.

#### Information on the likely ways of exposure:

Dermal exposure - may cause allergy

#### Symptoms related to physical, chemical and toxicological properties:

No data available.

#### Delayed, immediate, and chronic effects from short and long-term exposure

May cause allergy when in contact with the skin

#### Effects of interactions

No data available.

No detailed data available.

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Data regarding similar substances or mixtures were not used.  
Information on the mixtures vs. information on the substances

No data available

Other information

No data available

## SECTION 12: Environmental information

The product has not been tested and the information in this section is based on the chemical data indicated in SECTION 3.

### 12.1 Toxicity

Acute toxicity

Ethyl alcohol:

Rainbow trout, 96 godzin: LC50 12 900 - 15 300 mg/L

Mixture: The product is not classified as hazardous to the environment in pursuance with the applicable regulations.

### 12.2 Persistence and degradability

talc: inorganic compound, not biodegradable.

Mixture: No data available.

### 12.3 Bioaccumulative potential

Mixture: not liable to bioaccumulate.

### 12.4 Mobility in soil

Ethyl alcohol: soluble in water

Mixture: soluble in water and readily dispersible in the aquatic environment.

### 12.5 Results of PBT and vPvB assessment

Mixture: does not meet the PBT (persistent, bioaccumulative and toxic) and vPvB (very persistent/high bioaccumulative) criteria.

### 12.6. Other adverse effects

The product does not contain any substances listed in the EU Regulation 1005/2009 on the substances depleting the ozone layer.

## SECTION 13: Disposal of waste

### 13.1 Waste disposal methods

Used product and packaging may be disposed with municipal waste.

The remainder of the unused product should be handed over to the agents specializing in the recovery and disposal of waste.

Any resultant waste should be stored, transported and recovered/recycled or disposed of in compliance with pertinent provisions of the Act on Waste and the derivative regulations.

Waste should be classified whilst making use of appropriate codes and names, in conformity with the current waste catalogue. The disposal of waste into soil and ground, sewage system, rivers, water reservoirs, is strictly prohibited.

Waste code: product: 07 04 99, packaging: 15 01 04 metal, 15 01 02 plastic.

Classification of waste in compliance with the Regulation of the Minister of the Environment of December 9, 2014 on the waste catalogue (Journal of Laws No. 0, item 1923).



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Waste handling in compliance with the Act of December 14, 2012 on Waste Management (Journal of Laws of 2013, No. 0, item 21, as amended), and the Act of June 13, 2013, on Packaging and Waste Packaging Management (Journal of Laws No. 0, item 888, as amended).

## SECTION 14: Transport information

The mixture is not classified as dangerous within the meaning of the transport regulations.

### 14.1 UN number

Not applicable

### 14.2 UN proper shipping name

Not applicable

### 14.3 Transport hazard class(es)

Not applicable

### 14.4 Packing group

N/A

### 14.5 Environmental hazards

N/A

### 14.6 Special precautions for user

N/A

### 14.7 Transport in bulk according to Annex II of MARPOL Convention and the IBC Code

N/A

## SECTION 15: Information pertaining to applicable legislation

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

- 1) Regulation (EC) No 1907/2006 of the European Parliament and of the Council of December 18, 2006 (REACH), as amended
- 2) Regulation (EC) No 1272/2008 of the European Parliament and of the Council of December 16, 2008 (CLP/GHS), as amended
- 3) The Act of February 25, 2011, on Chemical Substances and Their Mixtures (Journal of Laws No. 63, item 322, as amended)
- 4) Regulation of the Minister of Health of August 10, 2012, on the Criteria and Methods of Classification of Chemical Substances and Their Mixtures (Journal of Laws No. 0, item 1018, as amended).
- 5) Regulation of the Minister of Health of April 20, 2012, on the labelling on the packaging containing hazardous substances, their mixtures, and certain other mixtures (Journal of Laws No. 0, item 445, as amended).
- 6) Regulation of the Minister of Labour and Social Policy of June 6, 2014, on the maximum permissible concentrations and intensities of the factors harmful to health in the working environment (Journal of Laws No. 0 item 817, as amended).
- 7) Regulation of the Minister of the Environment of September 3, 2014, on the

- templates for package labelling (Journal of Laws No. 0, item 1298).
- 8) Regulation of the Minister of the Economy of November 5, 2009, on detailed requirements for aerosol products (Journal of Laws No. 188, item 1460, as amended).
  - 9) Act of December 14, 2012, on waste (Journal of Laws 2013 No. 0, item 21, as amended).
  - 10) Act of June 13, 2013, on the management of packaging materials and packaging waste materials (Journal of Laws No. 0, item 888, as amended)
  - 11) Regulation of the Minister of the Environment of December 9, 2014 on the waste classification catalogue. (Journal of Laws No. 0, item 1923).
  - 12) Act of August 19, 2011, on transporting hazardous goods (Journal of Laws No. 227, item 1367, as amended).
  - 13) Classification of hazardous materials according to the European Agreement on the International Carriage of Dangerous Goods by Road ADR (ADR regulations).
  - 14) Regulation of the Minister of the Environment, of December 9, 2003, on the substances posing a particular threat to the environment (Journal of Laws No. 217, item 2141, as amended).
  - 15) Regulation of the Minister of Health of July 1, 2016, on the listing of toxicological centres tasked with controlling the incidents of poisoning with biocidal products (Journal of Laws No. 0 item 1004)

## 15.2 Chemical safety assessment

Chemical safety assessment of the mixture was not carried out. Pertinent notes on the handling procedures are comprised in SECTIONS 7 and 8.

## SECTION 16: Other information

### 16.1 Additional information on the mixture:

Animal care product for outdoor use.

### 16.2 Explanations of abbreviations and phrases:

Eye Dam. 1 Serious eye damage, hazard category 1

Skin Irrit. 2 Skin irritation, hazard category 2

Skin Sens. 1 Skin sensitisation, hazard category 1

Aquatic Chronic 3 Hazardous to the aquatic environment, hazard category 3

Flam. Liq. 2 Flammable liquids, hazard category 2

Flam. Gass 1 Flammable gas, hazard category 1

Flam. Aerosol 2 Flammable aerosol product, hazard category 2

Press. Gass Pressurised gas

H220 Extremely flammable gas

H225 Highly flammable liquid and vapours

H315 Causes skin irritation

H317 May cause allergic skin reaction

H318 Causes severe eye damage

H412 Harmful to aquatic life, with long-lasting effects

## 16.3 Additional information on the Safety Data Sheet

This Safety Data Sheet is furnished directly to the user of the product, with no warranty or surety as to its completeness, or detailed nature of any information or recommendations contained therein.

This Sheet does not constitute any legal grounds for any liability whatsoever on the part of the supplier. The company shall not be liable for any disease or injury of any nature sustained in result of the use or misuse of the Safety Data Sheet for the compound or material to which it pertains.

The information comprised in this Data Sheet is based on the data furnished by the suppliers of the substances and merely represents the current state of our knowledge and experience with regard to the safe use of the product at issue.

The vertical lines to the left of the text indicate the changes with regard to the previous version of the Data Sheet.

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