

# MATERIAL SAFETY DATA SHEET

Prepared pursuant to regulations 1907/2006/EC (REACH), 1272/2008/EC (CLP) and  
830/2015/EU

## 1. SECTION: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/ENTERPRISE

### 1.1. Product identifier: **Immunetec antimicrobial impregnating spray for clothes and textiles against unpleasant odours**

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

Antimicrobial impregnating spray for clothes and textiles against unpleasant odours – for residential and professional use

Uses advised against: no.

### 1.3. Data of the supplier of the safety data sheet:

#### Data of the manufacturer:

Kedo Eurocosmetics Kft  
H-2209 Péteri, Hrsz.082/9.  
Phone/fax: +36 (30) 4220430  
Website: [www.kedo.hu](http://www.kedo.hu)

#### Data of the distributor:

Immunetec Proof Kft.  
H-5008 Szolnok, Krúdy Gyula u. 112  
Phone: +36 30 462 0045  
Website: [www.immunetec.eu](http://www.immunetec.eu)

Person responsible for the safety data sheet: [gabor@immunetec.eu](mailto:gabor@immunetec.eu)

### 1.4. Emergency telephone number: Health Toxicology Information Service (HTIS)

During the day from 8 am to 4 pm: +36-1-476-6464

Can be called 24 hours a day: +36-80-20-11-99

## 2. SECTION: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture:

Classification pursuant to Regulation 1272/2008/EC: not hazardous

Hazard class and category: not hazardous

Hazard statement: not hazardous

#### The most important adverse effects:

Physical-chemical hazard: No risk of physical-chemical hazard must be taken into consideration.

Health hazard: In the case of eye contact it may temporarily irritate the eye.

Environmental hazard: No environmental hazard must be taken into consideration.

### 2.2. Label elements:

#### Labelling pursuant to regulation 1272/2008/EC:

Hazard pictogram: not hazardous

Pictogram: not hazardous

Signal: not hazardous

Hazard statements: not hazardous

Precautionary statements:

P102: Keep out of the reach of children.

P261: Avoid breathing spray.

P262: Do not get in eyes.

### 2.3. Other hazards:

The mixture does not contain any other hazards, see Section 12.

### 3. SECTION: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures:

Hazardous components	Identifiers	Concentration	Classification
Reaction mass of titanium dioxide and silver chloride	CAS-number: not specified EC-number: not specified	<0.05%	Aquatic Acute 1 (M=10), H 400 Aquatic Chronic 1 (M=1), H 410
Docusate sodium*	CAS-number: 577-11-7 EC-number: 209-406-4	<1%	Skin Irrit. 2, H315 Eye Dam. 1, H318

\*data of the manufacturer

Pursuant to the effective legislation the other components of the product are not considered to be hazardous substances, or their concentration does not reach the limit above which their presence must be indicated at the hazards classification or has to be taken into consideration.

**Other components:** vehicle: water. The product does not contain any fragrances or colourings.

The aforementioned hazard categories and H-statements pertain to the pure components, and the hazard classification of the product is specified in Section 2.

**Chemical characteristics:** the product is a mixture, an aqueous solution.

### 4. SECTION: FIRST AID MEASURES

**4.1. Description of first aid measures:** professional and fast first aid measures can significantly reduce the development and severity of symptoms.

**General information:** in the case of symptoms of poisoning or the suspicion of poisoning, work must be interrupted immediately, the injured individual must be removed from the hazard source and moved to fresh air or to a room with good ventilation and after the first aid measures administered on site seek medical attention. Show the label and the safety data sheet of the product.

**If inhaled:** exposition is not relevant.

**If in eyes:** rinse the eye with plenty of water for at least 15 minutes while holding the eyelids apart and moving the eyeballs. If the symptoms do not go away, seek medical attention.

**If on skin:** wash thoroughly with running water.

**If swallowed:** rinse mouth with water. Do not induce vomiting due to the risk of foam aspiration!

**4.2. Most important symptoms and effects, both acute and delayed: not known.**

**4.3. Indication of any immediate medical attention and special treatment needed: not known.**

Note for the doctor: give treatment in accordance with the symptoms.

### 5. SECTION: FIREFIGHTING MEASURES

**5.1. Extinguishing media:** suitable extinguishing media: usual extinguishing media (e.g.: water spray, powder, foam, carbon-dioxide). Must be specified based on the materials burning in the surroundings.

**5.2. Special hazards arising from the substance or mixture: not known.**

**5.3. Advice for firefighters:** the product itself and its aqueous solution is not flammable.

Recommended protective equipment in the case of fire: personal protective equipment, self-contained breathing apparatus.

### 6. SECTION: ACCIDENTAL RELEASE MEASURES

**6.1. Personal precautions, protective equipment and emergency procedures:** be aware of the risk of slipping!  
In the case of the decontamination of bigger amounts it is recommended to use protective equipment (safety glasses, safety gloves).

**6.2. Environmental precautions:** it is prohibited to let bigger amounts of the released product into drains, the environment or living aquatic environments! Waste treatment and waste disposal must take place in accordance with the rules on hazardous waste. It can be released to the sewage system when diluted with water.

**6.3. Methods and material for containment and cleaning up:** a smaller amount can get into the sewer when diluted with plenty of water. Bigger amounts of the released product must be covered and absorbed into an inert absorbent material (e.g. sand), and then it must be stored with the appropriate labelling and be disposed in accordance with the regulations on hazardous waste.

**6.4. Reference to other sections:** see also Sections 8 and 13.

## 7. SECTION: HANDLING AND STORAGE

**7.1. Precautions on safe handling:** follow the instructions on the label. There are no instructions. When working with the product be cautious and avoid eye contact, direct contact, vapour formation and the spread of the product in air.

Hygiene measures: do not eat, drink or smoke while using the product! Take off working clothes contaminated or soaked with the product.

**7.2. Conditions for safe storage, including any incompatibilities:**

In the original, unopened package it must be stored in a dry, frost-free room that can be ventilated well, protected from sunlight, tightly closed. Keep separated from food, drinks, excise goods and feed. The optimal storage temperature is 5 - 30°C, also during transportation. The mixture must be kept out of the reach of children! If stored properly the shelf life of the product is 1 year.

**7.3. Specific end use(s):** no data available.

## 8. SECTION: EXPOSURE CONTROLS/PERSONAL PROTECTION:

**8.1. Control parameters:**

Occupational exposure limit: not specified.

**8.2. Exposure controls:** When working with the product be cautious and prevent exposition to the product, and keep the general work safety and hygiene rules of tasks performed with chemicals. Avoid eye contact and inhalation of the product.

**Appropriate engineering controls:**

- Observe the usual precautions of working with chemicals.
- Use and store in a room with sufficient ventilation.

**Individual protection measures, personal protective equipment:**

- Respiratory protection: in the case of sufficient ventilation it is not necessary.
- Eye/face protection: avoid eye contact.
- Hand/skin protection: not necessary.

**Environmental exposure controls:** observe the rules of goods handling and storage. Bigger amounts of the mixture must be stored in rooms where the product is prevented from getting into water streams, the soil or the drain system.

## 9. SECTION: PHYSICAL AND CHEMICAL PROPERTIES

**9.1. Information on basic physical and chemical properties:**

State:	liquid
Odour:	typical of the product
Colour:	broken white
Odour limit value:	not applicable
pH-value:	6.0 - 6.5 (cc., at 20°C)
Melting point/freezing point:	not specified
Initial boiling point and boiling range:	not specified
Flash point:	not specified
Evaporation rate:	not specified
Flammability (solid, gas):	not specified
Upper/lower flammability or explosive limits:	not specified
Vapour pressure:	not specified
Vapour density:	not specified
Relative density:	0.99 - 1.00 g/cm <sup>3</sup> (cc., at 20°C)
Solubility (solubilities):	not specified
Partition coefficient: n-octanol/water:	not specified
Auto-ignition temperature:	not specified
Decomposition temperature:	not applicable
Viscosity:	not specified
Explosive properties:	not explosive
Oxidising properties:	not oxidising

**9.2. Other information:** no data.

## 10. SECTION: STABILITY AND REACTIVITY

**10.1. Reactivity:** not typical.

**10.2. Chemical stability:** stable if handled and stored in accordance with the instructions.

- 10.3. Possibility of hazardous reactions:** no hazardous polymerisation takes place.  
**10.4. Conditions to avoid:** high temperatures, ignition sources, frost.  
**10.5. Incompatible materials:** do not mix with other products.  
**10.6. Hazardous decomposition products:** no hazardous decomposition products if used as intended.

## 11. SECTION: TOXICOLOGICAL INFORMATION

**11.1. Information on toxicological effects:** no toxicological studies have been conducted with the product, its toxicological classification shall exclusively refer to the individual components. Based on the data available the criteria of classification are not fulfilled.

**Acute toxicity:** based on the data available the criteria of classification are not fulfilled.

**Skin corrosion/irritation:** based on the data available the criteria of classification are not fulfilled.

**Serious eye damage/irritation:** based on the data available the criteria of classification are not fulfilled.

**Respiratory or skin sensitisation:** based on the data available the criteria of classification are not fulfilled.

**Germ cell mutagenicity:** based on the data available the criteria of classification are not fulfilled.

**Carcinogenicity:** based on the data available the criteria of classification are not fulfilled.

**Reproductive toxicity:** based on the data available the criteria of classification are not fulfilled.

**STOT-single exposure:** based on the data available the criteria of classification are not fulfilled.

**STOT-repeated exposure:** based on the data available the criteria of classification are not fulfilled.

**Aspiration hazard:** based on the data available the criteria of classification are not fulfilled.

### Information on likely routes of exposure:

In the case of normal usage no adverse health effect is known or expected.

Ingestion: if swallowed in bigger amounts it can cause damage to the mucous membranes and the gastrointestinal system.

Skin: no adverse health effect.

Eye: in bigger amounts it can cause eye irritation.

Inhalation: no adverse health effect.

## 12. SECTION: ECOLOGICAL INFORMATION

**12.1. Toxicity:** based on its composition the product cannot be classified as hazardous to the aquatic environment. The following data pertain to the individual ingredients:

REACTION MASS OF SILVER CHLORIDE AND TITANIUM DIOXIDE :

Algae, 72 hours, ErC50: 0.3 mg/l

Daphnia magna, 48 hours, EC50: 0.074 mg/l

Fish, 96 hours, LC50: 0.5 mg/l

DOCUSATE SODIUM:

Algae, 72 hours, ErC50: 82.5 mg/l

Daphnia magna, 48 hours, EC50: 6.6 mg/l

Fish (Brachydanio rerio), 96 hours, LC50: 49 mg/l

**12.2. Persistence and degradability:** the ingredients of the product fulfil the biodegradability criteria of detergents specified in regulation 648/2004/EC.

**12.3. Bioaccumulative potential: not bioaccumulative.**

**12.4. Mobility in soil:** no data, no study has been conducted.

**12.5. Results of PBT and vPvB assessment:** the mixture does not contain any PBT and vPvB substances.

**12.6. Other adverse effects:** no other adverse effects are known.

## 13. SECTION: DISPOSAL CONSIDERATIONS

The residues and waste from the mixture shall be handled in accordance with the proposals of European and Hungarian directives.

### 13.1. Waste treatment methods:

**The mixture:** must be disposed pursuant to local, national regulations (Act CLXXXV of 2012 and its amendment, Act LXVI of 2017, Gvt. regulation 225/2015 (7 August), Gvt. regulation 343/2011 (29 December).) It cannot be released to the sewer system, to water streams or the soil.

**The contaminated packaging:** can be recycled after it is emptied completely and cleaned with water sufficiently. The contaminated packaging must be treated as the mixture itself.

### European Waste Catalogue:

07 06 Wastes from the manufacture, formulation, supply and use (MFSU) of fats, grease, soaps, detergents, disinfectants and cosmetics

## 14. SECTION: TRANSPORT INFORMATION

Based on the treaties on the international carriage of dangerous goods the product is (ADR/RID, IMDG, IATA/ICAO) **not dangerous goods.**

**14.1. UN-number:** not dangerous goods.

**14.2. UN proper shipping name:** not dangerous goods.

**14.3. Transport hazard classes:** not dangerous goods.

**14.4. Packing group:** not dangerous goods.

**14.5. Environmental hazards:** not dangerous goods.

**14.6. Special precautions for user:** not dangerous goods.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code:** not dangerous goods.

## 15. SECTION: REGULATORY INFORMATION

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

#### Relevant national legislation:

Biocide decree: Joint Decree 38/2003. (7 July) ESZCSM-FVM-KvVM and its amendments.

Occupational safety: Act XCIII/1993 on Occupational Safety and Health amended by Act LXXXII of 2007, Act XI of 2004 and Act CII of 1997.

Chemical safety: Act XXV of 2000 on Chemical Safety amended by Act CXXVII of 2005 and Act XXVI of 2004; EüM Decree 44/2000 (27 December) and its amendments; EüM-SzCsM Joint Decree 25/2000 (30 September) and its amendments.

Waste: Act CLXXXV of 2012 on Waste and Act CCXXI of 2015 amending it; Government Decree 225/2015 (7 August) laying down detailed rules of certain activities related to hazardous waste; Decree 72/2013 (27 July) VM of the Ministry of Rural Development concerning the list of wastes; Government Decree 442/2012 (29 December) on packaging and on waste management activities related to packaging waste.

Fire protection: Act XXXI of 1996 on Fire Safety and its amendment published in issue no. 182 of 2015 of the Hungarian Legal Gazette on protection against fire, technical rescuing and the firefighters; Decree 28/2011 (9 September) and 54/2014 (5 December) of the Minister of Internal Affairs on the National Fire Protection Regulations.

#### Relevant community legislation:

REACH regulation: 1907/2006/EC and its amendments (987/2008, 134/2009/EC, 552/2009/EC, 453/2010/EC, 830/2015/EU);

CLP regulation: 1272/2008/EC and its amendments.

Biocide legislation: 98/8/EC directive and its amendments; 528/2012/EU regulation and 1062/2014/EU regulation and its amendments.

**15.2. Chemical safety assessment:** not conducted.

## 16. SECTION: OTHER INFORMATION

The above information is based on our knowledge and refers to the product as supplied. It describes the product only from the point of view of safety requirements and it does not guarantee certain characteristics of the product, and it does not substitute product specification.

This data sheet shall not guarantee any responsibility for consequences of usage under any kind of circumstances or improper usage.

**Advice for training:** workers must be regularly trained about the safe handling of the product based on information in the safety data sheet and the workplace conditions.

#### Classification process:

Out of the information evaluation methods listed in Article 9 of 1272/2008/EC, the classification of the product has been performed based on (1), in accordance with the criteria for classification listed in Parts 2 to 5 of Annex I, using the data of the ingredients, with a general calculation method, and based on the existing physical and chemical characteristics of the product.

#### H statements in Section 3 of the safety data sheet:

H315 Causes skin irritation.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

**Abbreviations of hazard classes:** (Number/letter after *abbreviations indicate the category within the class, bigger numbers indicate a lower level of hazard*) Skin Irrit. 2: skin irritation, Eye Dam.1: serious eye damage Aquatic Acute 1: a



hazardous to the aquatic environment (acute), Aquatic Chronic 2: hazardous to the aquatic environment (long term)

**History of the data sheet:** version number: 1.0 - prepared on 14 January 2020, based on 830/2015/EU, Annex II and the data of the manufacturer

**Occupational safety consulting on the safe application of the product:**

On work days from 9 am to 2 pm +36 26 335 091