SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Trade name: **ALLERGOFF® allergen-neutralising spray**

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Product for reduction of concentration level of allergens present in house dust.
1.2.2. Uses advised against
None.

1.3. Details of the supplier of the safety data sheet
ICB Pharma Tomasz Świętosławski, Paweł Świętosławski Spółka Jawna
Address: Moździerzowców 6a, 43-602 Jaworzno, Poland
Phone: +48 32 745 47 00
e-mail: office@icbpharma.com
Person responsible for SDS: e-mail: sds@icbpharma.com

1.4. Emergency telephone number:
112 – emergency number
+48 32 745 47 00 (at working hours: 8.00 a.m. – 4 p.m.) – manufacturer number

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
According to the Regulation (EC) No 1272/2008:
This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008.

2.2. Label elements
According to the Regulation (WE) 1272/2008:
Pictograms:
Not required

Signal Word:
Not required

Hazard statements:
Not required

Precautionary statement (recommended):
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.

2.3. Other hazards
Product does not met PBT or vPvB criteria according to XIII of REACH regulation.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures
Product is a mixture.

Hazardous ingredients content (ingredients contained in the mixture below general or specific concentration limits, not meeting PBT/vPvB criteria, not listed on the SVHC list and not having the Occupational Limit Values in work environment are not disclosed):

Name	Identifiers	Content	Hazard class and hazard statement
benzyl benzoate	CAS: 120-51-4 EC: 614-100-2 Index No.: 607-085-00-9 REACH registration No.: 01-2119976371-33-XXXX	≤3,0% w/w	Acute Tox. 4 (oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2. H411

The full text of H phrases is given in section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General recommendations

If any adverse effects occur, the exposure to the product should be discontinued, if in doubt, consult a physician and show him the label or safety data sheet. The injured should be provided with access to fresh air, kept in warm an calm, and with medical assistance. If not breathing CPR may be required. In the event of loss of consciousness, the injured should be placed and, if possible, transported in a recovery position. Do not give an unconscious person anything by mouth.

Protection of personnel providing first aid:

REMEMBER - your own safety first. Do not take any action that would create a risk to the rescuer unless suitable trained and aware of risks.

Contamination of the skin:

take off immediately all contaminated clothing and shoes. In the event of direct contact of the product with the skin, wash the affected area with water and soap with a pH similar to the skin's, rinse thoroughly.

Contamination of the eyes:

flush contaminated eyes with clean water or a suitable eye wash for at least 15 minutes by opening your eyelids. Do not rub your eyes. Avoid strong water stream - risk of corneal damage. Consult an ophthalmologist if any adverse symptoms occur.

Inhalation:

in case of symptoms of poisoning, remove the injured from the exposure area and provide with fresh air. Consult a physician if symptoms persist or worsen.

Ingestion:

rinse mouth and throat with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. In case of feeling unwell get medical help.

4.2. Most important symptoms and effects, both acute and delayed

Acute symptoms – product can causes mild, temporary eye irritation, in case of ingestion can cause abdominal pain, nausea, vomiting.
Delayed symptoms – no data
Effects of exposure – no data

4.3. Indication of any immediate medical attention and special treatment needed

Note to Physician: no specific antidote is known. The decision on how to proceed is made by a doctor after a thorough assessment of the injured person's condition. Symptomatic treatment.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:

Generally all media are suitable. Use foam, snow (CO_2) or dry powder extinguishers to extinguish small fire. In case of large fire use foam or water mist.

Unsuitable extinguishing media:
No specific guide. Get surrounding material into consideration for suitability of extinguishing media. A strong water jet is NOT RECOMMENDED – risk of fire spread and environment contamination.

Unsuitable extinguishing media:
No specific guide. Get surrounding material into consideration for suitability of extinguishing media. A strong water jet is NOT RECOMMENDED – risk of fire spread and environment contamination.

5.2. Special hazards arising from the substance or mixture
During the fire of the product following compounds might be emitted – carbon oxides, silica oxides, formaldehyde, other hazardous gases. Avoid breathing of combustion products, they might be hazardous to health.

5.3. Advice for fire-fighters
Obligatory use personal breathing apparatus and wear appropriate protective clothing during firefighting and cleaning after the fire inside closed and poorly ventilated rooms.

General: remove from the endangered area all unauthorized persons, not involved in extinguishing the fire, order evacuation if necessary. Dispose of all ignition sources. In the event of fire, cool the vessels and storage tanks. Do not allow extinguishing agents used to extinguish the fire to get into the watercourse.

Additional remarks: tanks and packaging not covered by fire, exposed to fire or high temperature cool with water, from a safe distance (risk of explosion), if possible remove them from the danger area. Dispose of fire residues and contaminated fire extinguishing water in accordance with applicable regulations. Do not allow extinguishing media used to extinguish fire and extinguishing water to get into sewage system.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
For non-emergency personnel:
Limit the access of bystanders to the contaminated area. In the event of large spills, isolate the affected area. Use personal protection equipment. Avoid eyes and skin contamination. Avoid direct contact with the released product. Ensure adequate ventilation.

For emergency responders:
Follow instructions, use appropriate personal protection measures.

6.2. Environmental precautions
If larger quantities of the product are released, steps should be taken to prevent spreading in the wild. Avoid entering drains, groundwater, soil and open water courses. In the event of significant quantities of product getting into waters, relevant services should be notified.

6.3. Methods and material for containment and cleaning up
If the container is unsealed, spills occur, secure the source of the leak, pour the product into an empty container. Spilled product should be treated with a suitable sorbent (sand, sawdust, diatomaceous earth, vermiculite, universal sorbent), collected in the described containers and handed over for disposal. Clean the contamination surface. Maintenance and cleaning work should be carried out with adequate ventilation.

6.4. Reference to other sections
Personal protective equipment – section 8
Waste disposal – section 13

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Use only as intended. Read the label before using the product. Work in accordance with the principles of health and safety. Wash hands before breaks and after finishing work. Use personal protection equipment.

Avoid eyes and skin contamination. Ensure adequate ventilation. Do not consume. Maintain cleanliness and order when handling the product.

Specific measures against fire and explosion: no specific requirements.

Industrial hygiene:
- ensure good ventilation (overall and local exhausted ventilation)
- ensure place for eyes and skin rinsing
- wash hands with soap and water before eating, smoking and after work
- use general caution while working with chemical substances

7.2. Conditions for safe storage, including any incompatibilities.
Store only in original, tightly closed containers. It is recommended to store absorbent material nearby (section 6.3). Do not peel off the label from the packaging. Keep out of the reach of children, keep away from food, drink and feed. Store and transport at temperatures from 5 to 40 ºC.

7.3. Specific end use(s)
No information about uses other than those mentioned in subsection 1.2.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Occupational Exposure Limit Value:
There is no exposure standard allocated to hazardous components of this product.

DNELs (Derived No Effect Levels) available for mixture components:
benzyl benzoate (CAS: 120-51-4)

Exposure route	WORKERS				GENERAL POPULATION			
	Systemic Effects		Local Effects		Systemic Effects		Local Effects	
	Long-term	Acute	Long-term	Acute	Long-term	Acute	Long-term	Acute
Inhalation	n. d.	n. d.	n. d.	n. d.	n. d.	78 mg/kg m.c. / dzień	n. d.	400 µg/kg m.c. / dzień
Dermal	n. d.	102 mg/m³	n. d.	5,1 mg/m³	n. d.	n. d.	n. d.	1,25 mg/m³
Oral	n. d.	n. d.	n. d.	2,6 mg/kg m.c. / dzień	n. d.	n. d.	n. d.	1,3 mg/kg m.c. / dzień
Eye	n. d.				n. d.			

n.d no data

8.2. Exposure controls
Technical exposure controls:
local exhaust ventilation is necessary, which removes vapors from product emission sites, as well as general room ventilation.

Personal protection measures:
the necessity and appropriateness of personal protective equipment should be assessed on the basis of the hazard posed by the product and the conditions in which it is used. Use personal protective equipment only from reputable manufacturers.

Respiratory protection:
is not necessary under normal conditions with sufficient ventilation or outdoor. Required during exposure to high concentrations of vapours/mist/aerosol. Wear mask or respirator completed with the filter type A, AP or better.

Hand protection: Wear protective gloves.

The material from which the gloves are made must be impermeable and resistant to the product. Use protective gloves made of neoprene or nitrile rubber. Min thickness 0.4 mm. If prolonged or often repeated contact with the product is expected, it is recommended to wear gloves with protection class 5 (breakthrough time greater than 240 minutes according to PN-EN 374). If only brief contact with the product is expected, it is recommended to wear gloves with protection class 3 or higher (breakthrough time greater than 60 minutes according to PN-EN 374). The resistance of materials from which gloves are made must be checked before use. Information on the permeation time of the substance from the gloves manufacturer must be obtained and this time must be observed. Gloves should be reviewed before use. Use the correct technique for removing gloves (without touching the outer surface of the glove) to avoid skin contact with the product. Dispose of contaminated gloves after use in accordance with applicable regulations. It is recommended to change gloves regularly and replace them immediately if they show any signs of wear, damage (rupture, perforation) or changes in appearance (color, elasticity, shape).

Eye protection:
wear safety glasses when working with the product. To protect the eyes use equipment certified according to the relevant standards.

Skin protection:
use suitable protective clothing when working with the product.

Protective equipment standards:
EN 140:2001 Respiratory protective devices – Half masks and quarter masks – Requirements, testing, marking.
EN 143:2004 Respiratory protective devices – Particle filters – Requirements, testing, marking.
EN 149+A1:2010 Respiratory protective devices – Filtering half masks to protect against particles – Requirements, testing, marking.
EN 14387+A1:2010 Respiratory protective devices – Gas filter(s) and combined filter(s) – Requirements, testing, marking.
EN 374-1:2017-01 Protective gloves against dangerous chemicals and micro-organisms – Part 1: Terminology and performance requirements for chemical risks.
EN 374-2:2015-04 Protective gloves against dangerous chemicals and micro-organisms – Part 2: Determination of penetration resistance.
EN 16523-1+A1:2018-11 Determination of material resistance to permeation by chemicals – Part 1: Permeation by potentially hazardous liquid chemicals under conditions of continuous contact.
EN 166:2005 Personal eye protection. Specifications.
EN 14605+A1:2010 Protective clothing against liquid chemicals – Performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4]).
EN ISO 20344:2012 Personal protective equipment – Test methods for footwear

Environmental exposure controls:
Do not allow to enter large amounts of product into ground water, sewage, waste water or soil.

PNECs (Predicted No Effect Concentrations) for mixture components:
benzyl benzoate (CAS: 120-51-4)

Environment compartment	**PNEC**
Freshwater	16.8 µg/l
Intermittent releases (freshwater)	n.d
Marine water	1.68 µg/l
Intermittent releases (marine water)	n.d
Sewage treatment plant	100 mg/l
Sediment (freshwater)	10.66 mg/kg s.m. osadu
Sediment (marine water)	1.07 mg/kg s.m. osadu
Air	n.d
Soil	2.12 mg/kg s.m. gleby
Hazard for Predators	n.d

n.d - no data

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:	Colourless liquid
Odour:	Odourless
Odour threshold:	Not applicable
pH:	< 7
Melting point/freezing point:	No data
Initial boiling point and boiling range:	No data
Flash point:	No data
Evaporation rate:	No data
Flammability:	Not applicable
Upper/lower flammability or explosive limits:	Not applicable
Vapour pressure:	No data
Vapour density:	No data
Relative density (20°C):	No data
Solubility in water:	Soluble
Partition coefficient: n-octanol/water:	Not applicable
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data
Explosive properties:	None, no explosive ingredients
Oxidising properties:	None, no oxidizing ingredients

9.2. Other information
No data

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:
No data

10.2. Chemical stability:
Product is stable under normal conditions.

10.3. Possibility of hazardous reactions:
Possible in contact with strong oxidizers

10.4. Conditions to avoid:
High temperature.

10.5. Incompatible materials:
Strong oxidizers

10.6. Hazardous decomposition products:
Hazardous decomposition products may be developed under thermal decomposition (fire)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:
Product was not tested for toxicological properties. Hazard classification was conducted by calculation methods based on hazardous ingredients content.

Acute toxicity:

Acute Oral Toxicity: product does not met criteria for classification, ATE_{mix} > 2000 mg/kg
Acute Dermal Toxicity: product does not met criteria for classification,
Acute Inhalation Toxicity: product does not met criteria for classification,
Skin corrosion/irritation:
product does not met criteria for classification
Serious eye damage/irritation:
product does not met criteria for classification
Respiratory or skin sensitisation:
product does not met criteria for classification
Germ cell mutagenicity:
product does not contain any compounds with germ cell mutagenicity hazard
Carcinogenicity:
product does not contain any compounds with carcinogenic hazard
Reproductive toxicity:
product does not contain any compounds with reprotoxic hazard
STOT-single exposure:
product does not met criteria for classification
STOT-repeated exposure:
product does not met criteria for classification
Aspiration hazard:
product does not met criteria for classification

Potential health hazards:
Ingestion: no data
Inhalation: no data
Skin: no data
Eyes: no data

Available toxicological data for components of the product:
benzyl benzoate (CAS: 120-51-4)
Acute Toxicity, oral (rat): LD_{50}>2000 mg/kg
Acute Toxicity, skin (rabbit): LD_{50}>2000 mg/kg

Skin irritation: does not cause irritation (mouse, OECD 429)
Mutagenic effect on reproductive cells: not mutagenic in in vitro and in vivo tests
The substance is toxic for organs or systems - single exposure - no data
Toxic to organs or systems - repeated exposure - NOAEL 800 mg / kg / day (rat, male, 90 days)

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:
Product was not tested for environment hazards. According to regulation 1272/2008 product is not classified as hazardous to environment.

12.2. Persistence and degradability:
Benzyl benzoate (CAS: 120-51-4)
Biodegradation: 94% after 28 days

12.3. Bioaccumulative potential:
Benzyl benzoate (CAS: 120-51-4)
Low bioaccumulation potential.
LogPow 4
BCF 193.4

12.4. Mobility in soil:
No information available.

12.5. Results of PBT and vPvB assessment:
Not applicable.

12.6. Other adverse effects:
No information available.

Available ecotoxicological data for components of the product:
benzyl benzoate (CAS: 120-51-4)
Acute toxicity to fish (*Danio rerio*) LC_{50}: 2,32 mg/L/96h
Acute toxicity to algae (*Pseudokirchneriella subcapitata*): : IC_{50} 0,475 mg/L/48h
Acute toxicity to freshwater invertebrates (*Daphnia magna*): LC_{50} 3,09 mg/L/48h
Acute toxicity to freshwater invertebrates (*Daphnia magna*): LC_{50} 0,258 mg/L/21 dni
Chronic toxicity to algae: NOEC 0.168 mg / L / 32 days
Chronic toxicity to fish: NOEC 0.247 mg / L / 72h (*Pseudokirchneriella subcapitata*)

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:
Waste from residues/unused products:
Avoid product waste. Residues of the product should be treated as hazardous waste. The level of hazardousness of waste containing this product should be assessed in accordance with applicable regulations. Disposal should be made through a company authorized to dispose of hazardous waste, in accordance with national and local regulations. Do not remove to sewage, water, soil.

Suggested waste code:

Disposing of the packaging:
Disposal methods for used packaging: Dispose of packaging waste in accordance with applicable regulations. Do not mix with other waste. The packaging is not a packaging of a hazardous mixture in accordance with the Act on the management of packaging and packaging products. Completely emptied product packaging can be treated as municipal waste and recycled.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number: **ADR, IATA DGR, IMDG Code**	Not applicable
14.2. UN proper shipping name: **ADR, IATA DGR, IMDG Code**	Not applicable
14.3. Transport hazard class(es): **ADR, IATA DGR, IMDG Code**	Not applicable
14.4. Packing group: **ADR, IATA DGR, IMDG Code**	Not applicable
14.5. Environmental hazards:	Not applicable
14.6. Special precautions for user: **ADR, IATA DGR, IMDG Code**	Not applicable
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Regulation (EC) No 1907/2006 of the European Parliament and of the Council from 18.12.2006 concerning the Registration, Evaluation, Authorization and Restriction from Chemicals (REACH)
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

- Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- European agreement concerning international road transport of dangerous products (ADR)
- *Federal, State and Local regulations.*

15.2. Chemical safety assessment
Chemical safety assessment was not conducted for the product

SECTION 16. OTHER INFORMATION

Explanation of abbreviations and acronyms used in safety data sheet

Full text of H phrases:
H302 - Harmful if swallowed.
H400 - Very toxic to aquatic life.
H411 - Toxic to aquatic life with long lasting effects.

Acute Tox. 4 (oral.) – Acute Toxicity, category 4 (oral route)
Aquatic Acute 1 – Hazardous to the aquatic environment, acute aquatic toxicity, category 1
Aquatic Chronic 2 – Hazardous to the aquatic environment, with long lasting effects, chronic aquatic toxicity category 2

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road under framework Directive 94/55/EC, as amended
ATE Acute Toxicity Estimate: acute toxicity values are expressed as (approximate) LD50 (oral, dermal) or LC50 (inhalation) values or as ATEs.
CAS Chemical Abstracts Service
CPR Cardio-pulmonary resuscitation
DNEL derived no-effect level
EC50 median effective concentration
EINECS European Inventory of Existing Commercial Chemical Substances
GHS (United Nations) Globally Harmonised System of Classification and Labelling of Chemicals: it defines the criteria internationally agreed by the United Nation Economic and Social Council (UN ECOSOC) for the classification and labelling of hazardous substances and mixtures
ICAO International Civil Aviation Organisation, refers to Annex 18 to the Convention on International Civil Aviation The Safe Transport of Dangerous Goods by Air
IMDG International Maritime Dangerous Goods Code for the transport of dangerous goods by sea
IUPAC International Union of Pure and Applied Chemistry
LOEC Lowest Observed Effect Concentration
LD50 Lethal Dose; dose at which 50% of the animals will be expected to die.
LC50 Lenthal Concentration; standard measure of the toxicity of the surrounding medium that will kill half of the sample population of a specific test-animal in a specified period through exposure via inhalation
NOEC No Observed Effect Concentration
M factor Multiplying factor
NICNAS (Australia) National Industrial Chemicals Notification and Assessment Scheme
NIOSH (United States) National Institute of Occupational Safety and Health
OECD Organisation for Economic Cooperation and Development
OSHA (United States) Occupational Safety and Health Administration
PBT Persistent, bioaccumulative and toxic
PNEC Predicted No Effect Concentration
(Q)SAR (Quantitative) Structure-Activity Relationships
RTGD (United Nations) Recommendations on the Transport of Dangerous Goods
RTECS Registry of Toxic Effects of Chemical Substances
SVHC Substance of Very High Concern
Toxline Toxicology Literature Online database
TOXNET Toxicology Data Network

UFI Unique Formula Identifier
US EPA United States Environmental Protection Agency
vPvB very Persistent and very Bioaccumulative

This SDS was prepared in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Classification of the product was based on the content of ingredients and according to Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Training
Before handling with the product, the user should be familiar with the principles of health and safety regarding the handling of chemicals, and in particular undergo appropriate workplace training.

References to key literature and data sources
The safety data sheet for this product has been create on the basis of a safety data sheet provided by the manufacturer, literature data, online databases and possessed knowledge and experience, taking into account the currently applicable to actual legislation.

Changes from the previous version of the safety data sheet
Version 2.2 – editorial changes and information update – Sections 1-16

The above information is based on currently available data characterizing the product as well as the experience and knowledge possessed by the manufacturer in this topic. It do not constitute a quality description of the product or promise of specific properties. It should be treated as an aid for safe handling during transport, storage and use of the product. This does not release the user from liability for incorrect use of the above information and from compliance with all legal regulations in this area.

End of the document