

## MATERIAL SAFETY DATA SHEET

created in accordance with the Commission Ordinance (UE) nr 830/2016 from 28<sup>th</sup> of May 2015 which changes European Parliament and Council's Ordinance (WE) nr 1907/2006 from 18<sup>th</sup> of December 2006 about registration, assessment, permitting and applying restrictions in range of chemicals (REACH) (DU of European Union series L nr 132/8 from 29<sup>th</sup> of May 2015)



Update: 27.08.2021

Version:2.0/PL

### 1 SECTION 1: SUBSTANCE/MIXTURE AND ENTERPRISE IDENTIFICATION

#### 1.1 Product identification

**Glue Ansercoll PP**

#### 1.2 Important identified and disadvised application of mixture

Identified application: This glue is used to cover chipboards with PP foil.

Specific information about product application, attributes and way of usage are mentioned in the Technical Data Sheet.

SU3: Industrial application

SU21: Consumer application: household

SU22: Professional application: public domain services, artwork

Disadvised application: Not applicable

#### 1.3 Data referring to Material Safety Data Sheet supplier

Chemical Factories „ANSER” Sp. z o.o. 3/34, Dźwigowa street,  
02-437 Warsaw

tel.: +48 46 856 73 40 fax: +48 46 856 73 50

E-mail of a person responsible for this Sheet: biuro@frc.com.pl

#### 1.4 Emergency number

**Emergency number in Poland (available from 8:00 till 16:00) +48 46 856 73 40**

112 (emergency number), 998 (Fire Brigade), 999 (Emergency Ambulance Service)

### 2 SECTION 2: DANGERS IDENTIFICATION

#### 2.1 Substance/mixture identification

**Classification in accordance with the Ordinance (WE) nr 1272/2008:**

**Physic-chemical dangers**

Mixture is not classified as a dangerous one regarding physic-chemical attributes.

**Health dangers**

Mixture is not classified as a dangerous one for human health and life.

**Dangers for the environment**

Mixture is not classified as a dangerous one for the environment.

#### 2.2 Signage elements

**Mixture does not require unit packaging marking with special warning signs nor slogans.**

**Warning slogan:**

Not applicable

**Phrase(s) pointing out the type of danger**

Not applicable

**Phrase(s) pointing out the precautions**

P102: Keep out of reach of children.

## MATERIAL SAFETY DATA SHEET

created in accordance with the Commission Ordinance (UE) nr 830/2016 from 28<sup>th</sup> of May 2015 which changes European Parliament and Council's Ordinance (WE) nr 1907/2006 from 18<sup>th</sup> of December 2006 about registration, assessment, permitting and applying restrictions in range of chemicals (REACH) (DU of European Union series L nr 132/8 from 29<sup>th</sup> of May 2015)



Update: 27.08.2021  
Version:2.0/PL

### 2.3 Other dangers

Mixture does not fulfil PBT or vPvB mixture criteria in accordance with the attachment XIII to the REACH ordinance.

## 3 SECTION 3: CONTENT / INFORMATION ABOUT INGREDIENTS

### 3.1 Substances:

Not applicable

### 3.2 Mixtures:

Product does not contain dangerous ingredients in amounts that need to be mentioned in the Section 3.2. nor ingredients for which permissible concentrations in the work environment have been established [look at Section 8].

## 4 SECTION 4: FIRST AID

### 4.1 First aid description

#### General advices:

Symptoms of poisoning may become apparent after several hours, so the medical observation (at least 48 hours from the time of exposure) is recommended. If any discomfort occurs and persists after providing first aid as recommended below, seek immediate doctor's advice.

#### Inhalation:

The product does not contain substances classified as dangerous for inhalation, but in the event of poisoning symptoms, remove the injured one from the exposure zone and provide him with fresh air. Call the doctor if needed.

#### Skin contact:

Take off the clothes and rinse skin with lukewarm, running water.

#### Eye contact:

Rinse with big amount of chilly water, better running one, for 15 minutes at least. Remove contact lenses. Avoid strong stream of water because of the risk of mechanical cornea damage. If the irritation doesn't pass off, consult it with an eye-doctor.

#### Digestive system

After swallowing big amount of substance, don't provoke vomits! Rinse mouth with water. Contact with a doctor.

### 4.2 The most important severe and delayed results

Follow the safety and usage precautions on the label. Immediately remove product from the skin, eyes and mucosa which will prevent any delayed effects from exposure

#### Skin contact:

Long-term contact with the product may dry out the skin.

#### Eye contact:

In case of eye contact, eye irritation is possible.

#### Swallowing:

Gastrointestinal problems

#### Inhalation:

Not known

### 4.3 Recommendations referring to any immediate health care and special conduct with an injured one

The decision about rescue conduct should be taken by a doctor after precise assessment of injured one's state. Treat symptomatically. Pre-medical first aid facilities should be available in the workplace.

## MATERIAL SAFETY DATA SHEET

created in accordance with the Commission Ordinance (UE) nr 830/2016 from 28<sup>th</sup> of May 2015 which changes European Parliament and Council's Ordinance (WE) nr 1907/2006 from 18<sup>th</sup> of December 2006 about registration, assessment, permitting and applying restrictions in range of chemicals (REACH) (DU of European Union series L nr 132/8 from 29<sup>th</sup> of May 2015)



Update: 27.08.2021  
Version:2.0/PL

### 5 SECTION 5: CONDUCT IN CASE OF FIRE

#### 5.1 Extinction measures

The product is non-flammable in normal conditions of storage, manipulation and usage. In the event of fire due to improper handling, storage or usage, use:

Appropriate extinction measures

Foam, carbon dioxide, extinguishing powders, water- scattered stream

Inappropriate extinction measures:

Tight-knit streams of water

#### 5.2 Special dangers related to the substance/mixture

The product is non-flammable. During combustion, there may create toxic products such as carbon oxides and other, unidentified products of thermic decay.

#### 5.3 Information for Fire Brigade

Wear gas-tight protective clothing and breathing apparatus independent of the ambient air. Containers not covered by fire, but exposed to it, should be cooled with dispersed stream of water and, if possible, removed from the endangered area.

### 6 SECTION 6: CONDUCT IN CASE OF UNINTEDED RELEASE TO THE ENVIRONMENT

#### 6.1 Individual precautions, protective equipment and procedure in emergency cases

For people not from the emergency staff:

Restrict the accessibility of every incidental person to the endangered area up to the time of finishing every cleaning operation. In case of big release, isolate the endangered area. Don't inhale steams. Avoid skin and eye contact. Follow individual precautions.

For emergency staff:

To supervise that removing the crash and its results is conducted by a well-trained staff. Follow individual precautions.

#### 6.2 Precautions in range of the environmental protection

The product is not classified as dangerous to the environment, however, the release of large amounts of the product into water may cause a drop in pH. Prevent from getting to the sewage system, surface and ground waters and soil.

#### 6.3 Methods and materials that prevent pollution spreading and serve for its removal

If possible, stop the leak (close or seal the liquid inflow, place the damaged container in a tight protective container). In the event of a large leak, embank the place where the liquid has accumulated, and pump out the collected liquid. Cover small amounts of spilled liquid with absorbent material (sand, earth), collect into a closed container, rinse the contaminated surface with water. Dispose of waste in accordance with applicable regulations (see point 13).

#### 6.4 References to other sections

Individual precautions- section 8.

Remove in accordance with the section 13.

## MATERIAL SAFETY DATA SHEET

created in accordance with the Commission Ordinance (UE) nr 830/2016 from 28<sup>th</sup> of May 2015 which changes European Parliament and Council's Ordinance (WE) nr 1907/2006 from 18<sup>th</sup> of December 2006 about registration, assessment, permitting and applying restrictions in range of chemicals (REACH) (DU of European Union series L nr 132/8 from 29<sup>th</sup> of May 2015)



Update: 27.08.2021

Version:2.0/PL

### 7 SECTION 7: CONDUCT WITH SUBSTANCES/MATERIALS AND THEIR STORAGE

#### 7.1 Precautions referring to safe conduct

Provide an adequate ventilation. It is advisable to take precautions and avoid contact with the skin and eyes when working with the substance. Do not inhale the dust. Prevent from getting to the sewage system, surface and ground waters and soil.

Do not eat, drink nor smoke while using the product. Wash hands during breaks and after finishing work. Immediately remove contaminated clothing and wash it before re-wearing.

#### 7.2 Conditions of safe storage, including all information referring to any mutual incompatibility

Storage conditions: Store in a chilly, dry and well-ventilated place. Optimum storage temperature +5 to + 24 ° C. Guarantee period up to 6 months. Keep the product away from heat and heating systems. Protect against frost.

#### 7.3 Special final application(s)

Wood and wood-based materials gluing.  
Lack of additional information.

### 8 SECTION 8: EXPOSURE CONTROL/INDIVIDUAL PRECAUTIONS

#### 8.1 Parameters referring to the control

##### Values NDS, NSCh, NDSP

Lack of ingredients requiring a monitoring.

##### Legal basis:

Family, Work and Social Politics Minister's Ordinance from 23rd of June 2014 on the highest allowable concentrations and intensities of factors harmful to health in the work environment (Dz.U. 2014 position 817).

**Consolidated text: Dz.U. 2017 position 1348.**

Health Minister's Ordinance from 2nd of February 2011 about examinations and measurements of factors harmful to health in work environment (Dz. U. Nr 33, position 166, 2011).

Health Minister's Ordinance from 30th of December 2004 about safety and hygiene at work connected with occurrence chemical factors (Dz. U. Nr 11, position 86, 2004).

##### Values TWA/STEL

Lack of ingredients requiring a monitoring.

##### Legal basis:

COMMISSION DIRECTIVE 2000/39 / EC of 8 June 2000 Establishing the first list of indicative exposure limits to external factors at work in relation to the implementation of Council Directive 98/24 / EEC on the protection of the health and safety of workers from the risks related to chemical agents in the workplace. COMMISSION DIRECTIVE 2006/15 / EC of 07 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24 / EC and amending Directives 91/322 / EEC and 2000/39 / EC. DIRECTIVE 2004/37 / EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 29 April 2004 on the protection of workers from the risks related to exposure to carcinogens or mutagens at work (sixth individual directive within the meaning of Article 16 (1) of Council Directive 89/391 / EEC).

## MATERIAL SAFETY DATA SHEET

created in accordance with the Commission Ordinance (UE) nr 830/2016 from 28<sup>th</sup> of May 2015 which changes European Parliament and Council's Ordinance (WE) nr 1907/2006 from 18<sup>th</sup> of December 2006 about registration, assessment, permitting and applying restrictions in range of chemicals (REACH) (DU of European Union series L nr 132/8 from 29<sup>th</sup> of May 2015)



Update: 27.08.2021  
Version:2.0/PL

### DNEL and PNEC values:

Lack of data

### Recommended monitoring procedure

All the monitoring procedures of dangerous components concentrations in air and all air purity control procedures in workplace should be followed- if they're accessible and justified in a particular emplacement- according to appropriate Polish or European Norms including conditions reigning in an exposure place and appropriate measurement methodology adjusted to work conditions. Mode, type and frequency of examinations and measurements should fulfil all requirements included in a Health Minister's Ordinance from 2nd of February 2011 (Dz. U. 2011 nr 33, position 166).

### Recommended air monitoring procedure

PN-ISO 4225:1999– polish version Air purity protection – Terminology and units – Terminology referring to air quality examinations in workplaces  
PN-ISO 4225:1999 – polish version Air purity protection – Terminology and units – General issues  
PN-Z-01004:1999 – polish version Air purity protection – Terminology and units – Measure units  
PN-Z-04008-7:2002 - polish version Air purity protection – Samples taking – Rules of air samples taking in work environment and results interpretation  
PN-ISO 7708:2001P: Air quality – Definitions of dust fractions used by samples taking for health danger assessment  
PN-EN-689: 2002. Air in workplaces– guidelines for assessment of inhalation exposure on chemical factors by comparing with permissible values and probing strategy

## 8.2 Exposure control

### 8.2.1 *Applicable technical control measures*

During production process, it is essential to provide local exhaust or general room ventilation.

### 8.2.2 *Individual precautions, such as individual protective equipment*

If the substance concentration that causes danger is known, a choice of individual precautions should be made with taking into consideration substance concentration in given workplace, time of exposure, worker's activity and recommendations given by the producent of individual precautions. In emergency or if substance concentration isn't known, people should follow individual precautions that isolate organism (gasproof uniform with isolating system of Airways)

Respiratory track: In normal conditions it isn't required.

Hands and skin: Not necessary. In case of long or repeated contact use protective gloves.

Eyes: Avoid getting into the eye.

Work hygiene: There are general industrial regulations of work hygiene. After finishing work, the workers should take off polluted clothes. Wash hands and face in work breaks. Wash body after work. Don't eat, drink or smoke while working.

## MATERIAL SAFETY DATA SHEET

created in accordance with the Commission Ordinance (UE) nr 830/2016 from 28<sup>th</sup> of May 2015 which changes European Parliament and Council's Ordinance (WE) nr 1907/2006 from 18<sup>th</sup> of December 2006 about registration, assessment, permitting and applying restrictions in range of chemicals (REACH) (DU of European Union series L nr 132/8 from 29<sup>th</sup> of May 2015)



Update: 27.08.2021

Version:2.0/PL

### 8.2.3 Control of environment exposure

Protect from introduction to urban sewage system. Eventual emissions from ventilation systems or processing devices should be checked to evaluate their accordance with legal requirements in range of environment protection.

## 9 SECTION 9: PHYSICAL AND CHEMICAL ATTRIBUTES

### 9.1 Information about basic physical and chemical attributes

Appearance:	White liquid
Smell:	Characteristic
Smell threshold:	Not applicable
pH:	4.5 ± 1,0
Melting/solidification temperature:	Lack of data
Initial boiling temperature	
and boiling range:	approx. 100 °C
Ignition temperature:	Not applicable
Evaporation rate:	Lack of data
Flammability of solids, gas:	Not applicable
Upper/ lower flammability limit	
or upper / lower explosive limit	Lack of data
Vapor pressure:	Not applicable
Vapor density:	Lack of data
Relative density:	1.08 ± 0,02 g/cm <sup>3</sup>
Solubility:	Water-soluble
Division ratio: n-octanol/water:	Lack of data
Self-ignition temperature:	Product is not self-flammable
Decay temperature:	Lack of data
Viscosity:	7500 ± 1500 mPa*s.
Explosive attributes:	Not applicable
Oxidizing attributes:	Not applicable

### 9.2 Other information

Lack of additional examinations.

## 10 SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

In normal conditions of storage and usage- lack of reactivity.

### 10.2 Chemical stability

In normal conditions of usage and storage, the product is stable.

### 10.3 Possibility of dangerous reactions occurrence

Unknown.

## MATERIAL SAFETY DATA SHEET

created in accordance with the Commission Ordinance (UE) nr 830/2016 from 28<sup>th</sup> of May 2015 which changes European Parliament and Council's Ordinance (WE) nr 1907/2006 from 18<sup>th</sup> of December 2006 about registration, assessment, permitting and applying restrictions in range of chemicals (REACH) (DU of European Union series L nr 132/8 from 29<sup>th</sup> of May 2015)



Update: 27.08.2021  
Version:2.0/PL

### 10.4 Conditions that should be avoided

Unknown.

### 10.5 Incompatible materials

Strong oxidants.

### 10.6 Dangerous Decay products

Dependent on decay conditions, as it's result may occur complex chemical substance mixtures: carbon dioxide (CO<sub>2</sub>), carbon oxide and other organic compounds. More information: look at section 5.

## 11 SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information about toxicological results

#### Supplementary information:

There were no toxicological examinations conducted, it was classified in accordance with applicable regulations of chemical mixtures classification. The assessment was conducted based on the list of ingredients that form this product. Mixture isn't classified as a dangerous one for health. Look at section 2 (danger identification).

#### Acute toxicity

##### **Mixture's acute toxicity:**

Based on accessible data, criteria aren't fulfilled.

#### Product:

##### Irritating/corrosive effect:

Skin: Based on accessible data, criteria aren't fulfilled.

Eyes: Based on accessible data, criteria aren't fulfilled.

##### Sensitization:

Based on accessible data, criteria aren't fulfilled.

##### Toxic effect on target organs - single exposure:

Based on accessible data, criteria aren't fulfilled.

##### Specific target organ toxicity - repeated exposure:

Based on accessible data, criteria aren't fulfilled.

##### Carcinogenicity:

IARC: no one of product's ingredients that stands for more than 0,1% of concentrations is not marked by IARC as a possible or admitted as a carcinogenic one for people. Based on accessible data, criteria aren't fulfilled.

##### Mutagenicity:

Based on accessible data, criteria aren't fulfilled.

##### Reproductive toxicity:

Based on accessible data, criteria aren't fulfilled.

##### Aspiration danger:

Based on accessible data, criteria aren't fulfilled.

#### **Information about possible exposure ways**

Skin contact: Long-term contact with the product may dry out the skin.

Eye contact: In case of eye contact, eye irritation is possible.

Swallowing: Gastrointestinal problems

Inhalation: Unknown

**Results related to physical, chemical and toxicological attributes:**

Lack of data.

## MATERIAL SAFETY DATA SHEET

created in accordance with the Commission Ordinance (UE) nr 830/2016 from 28<sup>th</sup> of May 2015 which changes European Parliament and Council's Ordinance (WE) nr 1907/2006 from 18<sup>th</sup> of December 2006 about registration, assessment, permitting and applying restrictions in range of chemicals (REACH) (DU of European Union series L nr 132/8 from 29<sup>th</sup> of May 2015)



Update: 27.08.2021

Version:2.0/PL

Delayed, direct and drown-out result of long/short term exposure

Lack of data.

Results of mutual reaction:

Lack of data.

Other information:

Lack of data.

### 12 SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 Toxicity

Product is not classified as a dangerous one for the environment.

#### 12.2 Durability and Decay ability

Lack of data for the product.

#### 12.3 Bioaccumulation ability

Bioaccumulation not supposed.

#### 12.4 Mobility in soil

For mixture- not specified. Substance mobility depends on its hydrophile attributes and abiotic/biotic soil conditions, including its structures, climatic conditions, season (in Poland) and soil organisms (mainly bacteria, fungi, algae, invertebrates).

#### 12.5 PTB and vPvB attributes assessment results

Product doesn't fulfil PBT criteria.

#### 12.6 Other harmful results of action

Mixture isn't classified as a dangerous one for ozone layer. There should be considered possibility of other harmful results of mutual impact of mixture components for environment (such as ability to disrupt hormone economy, impact on global warming increase). Releasing big amounts of product to water causes pH decrease.

### 13 SECTION 13: CONDUCT WITH WASTE

#### 13.1 Methods of waste disposal

If possible, recover the waste. Pursuant to the law in force in Poland, waste collection, neutralization, recovery or recycling may be carried out by plants with appropriate permissions, and only to such plants there may be transferred the waste. In case of doubts, the manner of waste handling should be agreed with the local unit of the Environmental Protection Inspection.

**Mixture removal:** Do not empty into drains. Avoid contamination of surface and ground waters. Consider the possibility of re-use. Recommended neutralization method: consult with environmental protection services.

**Waste code:** 08 04 10 – Waste adhesives and sealants other than those mentioned in 08 04 09.

**Packaging removal:** Recycling or neutralization of packaging waste should be carried out in accordance with applicable regulations. Reusable packaging, after cleaning, can be re-used. Carry out neutralization of waste in professional, authorized incineration plants or in waste treatment and neutralization wayer.

**Waste code:** 15 01 02 - Plastic packaging.

#### Legal basis:

Law from 14th of December 2012 about wastes (Dz. U. Nr 0, position 21). Uniform text: Dz. U. 2018 position 21. Environment Minister's Ordinance from 29th of December 2014 about waste catalogue (Dz. U. 2004 position 1923). Law from 12th of October 2017 about changing the law about packaging and its waste economy and some other laws Dz. U. 2017 position 2056.

## MATERIAL SAFETY DATA SHEET

created in accordance with the Commission Ordinance (UE) nr 830/2016 from 28<sup>th</sup> of May 2015 which changes European Parliament and Council's Ordinance (WE) nr 1907/2006 from 18<sup>th</sup> of December 2006 about registration, assessment, permitting and applying restrictions in range of chemicals (REACH) (DU of European Union series L nr 132/8 from 29<sup>th</sup> of May 2015)



Update: 27.08.2021

Version:2.0/PL

### 14 SECTION 14: INFORMATION REFERRING TO TRANSPORT

#### 14.1 UN number

Not applicable.

#### 14.2 Appropriate UN transport name

Not applicable.

#### 14.3 Danger class(es) in transport

Not applicable.

#### 14.4 Packaging group

Not applicable.

#### 14.5 Dangers for environment

Product isn't dangerous for environment in accordance with the criteria included in UN model regulations.

#### 14.6 Special precautions for users

Lack.

#### 14.7 Loose transport in accordance with the attachment II of MARPOL 73/78 convention and IBC codex

Not applicable.

### 15 SECTION 15: INFORMATION ABOUT LEGAL REGULATIONS

#### 15.1 Legal information about safety, health and environmental requirements specific to the substance or mixture

1. **1907/2006/WE** Ordinance about registration, assessment, permitting and restrictions in range of chemicals (REACH), creating European Chemicals Agency, changing directives 1999/45/WE and repealing the Commission Ordinance (EWG) nr 793/93 and nr 1488/94, as well as the Council Ordinance 76/769/EWG and Commission Directive 91/155/EWG, 93/105/WE and 2000/21/WE.
2. **1272/2008/WE** European Parliament and Council's Ordinance of 16<sup>th</sup> of December 2008 about substances/mixtures classification, marking and packing, changing and repealing directives 67/548/EWG and 1999/45/WE and changing the Ordinance (WE nr 1907/2006).
3. **790/2009/WE** Commission Ordinance of 10<sup>th</sup> of August 2009 adjusting European Parliament and Council's Ordinance (WE) nr 1272/2008 (about substances/mixtures classification, marking and packing) to scientific-technical progress.
4. **830/2015/ WE** Commission Ordinance of 28<sup>th</sup> of May 2015 that changes European Parliament and Council's Ordinance (WE) nr 1907/2006 about registration, assessment, permitting and restrictions in range of chemicals (REACH).
5. **2008/98/WE** European Parliament and Council's Directive of 19<sup>th</sup> of November 2008 about waste that repeals some directives.
6. **94/62/WE** European Parliament and Council's Ordinance of 20<sup>th</sup> of December 1995 about packaging and its waste.

## MATERIAL SAFETY DATA SHEET

created in accordance with the Commission Ordinance (UE) nr 830/2016 from 28<sup>th</sup> of May 2015 which changes European Parliament and Council's Ordinance (WE) nr 1907/2006 from 18<sup>th</sup> of December 2006 about registration, assessment, permitting and applying restrictions in range of chemicals (REACH) (DU of European Union series L nr 132/8 from 29<sup>th</sup> of May 2015)



Update: 27.08.2021  
Version:2.0/PL

7. **648/2004/WE** Regulation (EC) of the European Parliament and of the Council No. 648/2004 of March 31, 2004 on detergents (as amended).
8. **2015/830/UE** Commission Ordinance of 28<sup>th</sup> of May 2015 which changes European Parliament and Council's Act (WE) nr 1907/2006 about registration, assessment, permitting and restrictions in range of chemicals.
9. **2010/79/UE** Commission Directive of 19 November 2010 on the adaptation to technical progress of Annex III to Directive 2004/42 / EC of the European Parliament and of the Council on the limitation of emissions of volatile organic compounds (Official Journal EU L 304 of 20.11. 18)
10. Ordinance of 25<sup>th</sup> of February 2011 about chemical substances and their mixtures (Dz.U. 2011 nr 63 position 322), Uniform text Dz.U.2015 position 1203.
11. Health Minister Ordinance of 10<sup>th</sup> of August 2012 about criteria and way of classification of substances and their mixtures (Dz. U 2012r Nr 0; position. 1018). Uniform text Dz.U. 2015 position 208
12. Economy Minister Ordinance of 21<sup>st</sup> of December 2005 about basic requirements for individual precautions (Dz. U. nr 259, 2173, 2005).
13. Ordinance about dangerous stuff products of 19<sup>th</sup> of August 2011 (Dz. U. 227, position 1367). Uniform text Dz. U. 2018 position 169).
14. Government declaration of February 28, 2017, on the entry into force of amendments to Annexes A and B to the European Agreement on the International Carriage of Dangerous Goods by Road (ADR), drawn up in Geneva on September 30, 1957 (Journal of Laws of 2017, item. 1119).
15. Health Minister Ordinance of 20<sup>th</sup> of April 2012 about marking dangerous substances/mixtures (Dz. U. 2012 nr 0 position 445); Uniform Text Dz. U. 2015 position 450).
16. Regulation of the Minister of Labour and Social Policy of 7 July 2017 on the publication of a uniform text of the Regulation of the Minister of Labour and Social Policy on the maximum allowable concentrations and intensities of factors harmful to health in the work environment (Journal of Laws, item 1374).
17. Health Minister Ordinance of 12<sup>th</sup> of January 2005 about risk assessment (for health and environment) caused by new substances (Dz. U. 2005 nr 16 position 138).
18. Ordinance from 24<sup>th</sup> of November 2017 in reference to the change the law about waste and some other laws (Dz. U. 2017 position 2422).
19. Ordinance from 12<sup>th</sup> of October 2017 about the change of law about packaging economy and some other laws (Dz. U. 2017 position 2056).
20. Health Minister Ordinance of 11<sup>th</sup> of June 2012 about the category of dangerous substances/mixtures, whose packaging is equipped with closures that prevent opening (Dz. U. 2012 position 688). Uniform text Dz. U. 2014 position 1604).
21. Health Minister Ordinance of 24<sup>th</sup> of July 2012 about chemical substances, their mixtures or technological processes about carcinogenic or mutagenic action in work environment (Dz. U. 2015 nr 0 position 890). Uniform text Dz. U. 2016 position 1117.

### 15.2 Chemical safety assessment

Supplier hasn't carried out chemical safety assessment. For this mixture, safety inform isn't required.

## 16 SECTION 16: OTHER INFORMATION

### Sources of other information:

IUCLID Data Bank (European Commission – European Chemicals Bureau).

ESIS – European Chemical Substances Information System (European Chemicals Bureau).

## MATERIAL SAFETY DATA SHEET

created in accordance with the Commission Ordinance (UE) nr 830/2016 from 28<sup>th</sup> of May 2015 which changes European Parliament and Council's Ordinance (WE) nr 1907/2006 from 18<sup>th</sup> of December 2006 about registration, assessment, permitting and applying restrictions in range of chemicals (REACH) (DU of European Union series L nr 132/8 from 29<sup>th</sup> of May 2015)



Update: 27.08.2021

Version:2.0/PL

Material Safety Data Sheet creator	mgr Małgorzata Krenke	Based on Material Safety Data Sheets of suppliers. Calculation method.
MSDS was put up by	„Feed Reach Consulting”	

All the information is based on currently available data that characterises the product, in range of experience and knowledge of the producent. It doesn't state a description of a product quality nor a promise of certain attributes. This information should be a help for a safe conduct with a transport, storage and usage. It doesn't let the user omit the responsibility of inappropriate usage of given information and sticking to every legal norm obligatory in this range. Information given in the MSDS has an aim to describe the product only in range of safety requirements. User is obliged to create safe product usage conditions and HE takes the responsibility of results that come from the given product.

### H phrases (that point out the type of danger) used in sections 2 and 3 of this MSDS:

#### Explanation of abbreviation and acronyms

CEN	Comité Européen de Normalisation
C&L	Classification and label
CLP	Ordinance about classification, label and packaging; order (WE) nr 1272/2008
CAS	Chemical Abstract Service
COM	European Commission
CMR	Carcinogenic, mutagenic or toxic factor for reproduction processes
CSA	Chemical Safety Assessment
CSR C	Chemical Safety Raport
DMEL	Level that causes minimal changes
DNEL	Level that doesn't cause changes
DPD	Directive about dangerous preparates 1999/45/EWG
DSD	Directive about dangerous substances 67/548/EWG
EC	European Commission
EC <sub>50</sub>	Average effective concentration
ECB	Office for chemicals
ECHA	European Chemicals Agency
EC	Number EINECS and ELINCS
EINECS	European list of exisiting substances of commercial meaning
ELINCS	European list of denounced chemical substances
EN	European norm
EU	European Union
GHS	Globally Harmonised System of Classification and Chemicals Marking
IC <sub>50</sub>	Concentration that causes 50% of of inhibition of given parameter
IUCLID	International Unified Data Base about Chemicals
IUPAC	International Union of Pure and Applied Chemistry
LC <sub>50</sub>	Average letal concentration
LD <sub>50</sub>	Average letal dose

## MATERIAL SAFETY DATA SHEET

created in accordance with the Commission Ordinance (UE) nr 830/2016 from 28<sup>th</sup> of May 2015 which changes European Parliament and Council's Ordinance (WE) nr 1907/2006 from 18<sup>th</sup> of December 2006 about registration, assessment, permitting and applying restrictions in range of chemicals (REACH) (DU of European Union series L nr 132/8 from 29<sup>th</sup> of May 2015)



Update: 27.08.2021

Version:2.0/PL

MSDS	Material Safety Data Sheet
PBT	Substance durable, toxic and bioaccumulative
PEC	Predictible environmental concentration
PNEC(s)	Predictible concentration that doesn't cause any environmental results
PPE	Individual precautions
REACH	Order (WE) nr 2907/2006 about registration, assessment, permitting and restrictions in range of chemicals
SDS	Material Safety Data Sheet
SIEF	Substance Information Exchange Forum
STOT	Toxic action for target organs
(STOT) RE	Repetitive exposure
(STOT) SE	One time exposure
SVHC	Substances that cause especially big fears
vPvB	[Substances] very durable and representing big bioaccumulation ability
UN numer	Identification number according to the ADR agreement
ADR	International convention about traffic transport of stuff and dangerous cargos
RID	Rules for international transport of stuff by railway
IMGD	International codex of dangerous cargos
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
MARPOL	International Convention about prevention of sea contamination by ships
Ems	Procedure of crisis reactions for ships that transport dangerous stuff

### Training courses

Before starting a work with the product, user should get to know all the rules: about Safety and Hygiene at work with chemicals, especially there should be conducted a training position. Changes in sections: 1,2,3,4,5,8,11,12,14,15,16.