



**ZMYWACZ LAKIERU - PAINT REMOVER - SPRAY****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier:** ZMYWACZ LAKIERU - PAINT REMOVER - SPRAY  
**Other means of identification:**  
**UFI:** QDV3-J0MY-D00S-7XJE
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: Product designed to remove varnish coatings from metal, glass, wood, concrete, brick and ceramic tiles.  
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**  
BOLL Wojciech Dalewski Spółka Jawna  
ul. Chemiczna 3  
65-713 Zielona Góra - Polska  
Phone: 68 451 99 99 - Fax: 68 451 99 00  
huszcza@boll.pl  
<https://www.boll.pl>
- 1.4 Emergency telephone number:**

**SECTION 2: HAZARDS IDENTIFICATION \*\***

- 2.1 Classification of the substance or mixture:**  
**CLP Regulation (EC) No 1272/2008:**  
Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.  
Aerosol 1: Flammable aerosols, Category 1, H222  
Aerosol 1: Pressurised container: May burst if heated., H229  
Eye Dam. 1: Serious eye damage, Category 1, H318  
Skin Irrit. 2: Skin irritation, Category 2, H315
- 2.2 Label elements:**  
**CLP Regulation (EC) No 1272/2008:**  
**Danger**
-  
- Hazard statements:**  
Aerosol 1: H222 - Extremely flammable aerosol.  
Aerosol 1: H229 - Pressurised container: May burst if heated.  
Eye Dam. 1: H318 - Causes serious eye damage.  
Skin Irrit. 2: H315 - Causes skin irritation.
- Precautionary statements:**  
P102: Keep out of reach of children.  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211: Do not spray on an open flame or other ignition source.  
P251: Do not pierce or burn, even after use.  
P271: Use only outdoors or in a well-ventilated area.  
P302+P352: IF ON SKIN: Wash with plenty of water.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F  
P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment.
- Substances that contribute to the classification**  
1,3-dioxolane
- UFI:** QDV3-J0MY-D00S-7XJE
- 2.3 Other hazards:**

\*\* Changes with regards to the previous version

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## Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

### ZMYWACZ LAKIERU - PAINT REMOVER - SPRAY

#### SECTION 2: HAZARDS IDENTIFICATION \*\* (continued)

Product does not meet PBT/vPvB criteria  
Endocrine-disrupting properties: The product does not meet the criteria.

\*\* Changes with regards to the previous version

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS \*\*

##### 3.1 Substance:

Non-applicable

##### 3.2 Mixture:

**Chemical description:** active ingredient mixture with a propellant. Propellant: propane - butane

##### Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 646-06-0 EC: 211-463-5 Index: 605-017-00-2 REACH: 01-2119490744-29-XXXX	<b>1,3-dioxolane<sup>(1)</sup></b> ATP CLP00	<b>50 - &lt;55 %</b>
	Regulation 1272/2008 Flam. Liq. 2: H225 - Danger	
CAS: 109-87-5 EC: 203-714-2 Index: Non-applicable REACH: 01-2119664781-31-XXXX	<b>Dimethoxymethane<sup>(2)</sup></b> Self-classified	<b>17 - &lt;20 %</b>
	Regulation 1272/2008 Acute Tox. 4: H302; Flam. Liq. 2: H225; STOT SE 2: H371 - Danger	
CAS: 106-97-8 EC: 203-448-7 Index: 601-004-00-0 REACH: 01-2119474691-32-XXXX	<b>Butane<sup>(1)</sup></b> ATP CLP00	<b>8 - &lt;11 %</b>
	Regulation 1272/2008 Flam. Gas 1A: H220; Press. Gas: H280 - Danger	
CAS: 74-98-6 EC: 200-827-9 Index: 601-003-00-5 REACH: 01-2119486944-21-XXXX	<b>Propane<sup>(1)</sup></b> ATP CLP00	<b>5 - &lt;6 %</b>
	Regulation 1272/2008 Flam. Gas 1A: H220; Press. Gas: H280 - Danger	
CAS: 1336-21-6 EC: 215-647-6 Index: 007-001-01-2 REACH: 01-2119982985-14-XXXX	<b>Ammonia = 25 %, aqueous solution<sup>(2)</sup></b> ATP CLP00	<b>3 - &lt;4 %</b>
	Regulation 1272/2008 Aquatic Acute 1: H400; Skin Corr. 1B: H314; STOT SE 3: H335 - Danger	
CAS: Non-applicable EC: 919-857-5 Index: Non-applicable REACH: 01-2119463258-33-XXXX	<b>Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, &lt;2% aromatics<sup>(2)</sup></b> Self-classified	<b>1 - &lt;2 %</b>
	Regulation 1272/2008 Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Danger	

<sup>(1)</sup> Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2020/878

<sup>(2)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity		Genus
	LD50 oral	LD50 dermal	
Dimethoxymethane	500 mg/kg	Not relevant	Rat
CAS: 109-87-5	Not relevant	Not relevant	
EC: 203-714-2	Not relevant	Not relevant	

\*\* Changes with regards to the previous version

#### SECTION 4: FIRST AID MEASURES

##### 4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

##### By inhalation:

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**ZMYWACZ LAKIERU - PAINT REMOVER - SPRAY****SECTION 4: FIRST AID MEASURES (continued)**

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

**By skin contact:**

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

**By eye contact:**

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

**By ingestion/aspiration:**

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

**4.2 Most important symptoms and effects, both acute and delayed:**

Acute and delayed effects are indicated in sections 2 and 11.

**4.3 Indication of any immediate medical attention and special treatment needed:**

Not available

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media:****Suitable extinguishing media:**

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

**Unsuitable extinguishing media:**

Water jet

**5.2 Special hazards arising from the substance or mixture:**

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

**5.3 Advice for firefighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

**Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures:****For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

**For emergency responders:**

Wear protective equipment. Keep unprotected persons away. See section 8.

**6.2 Environmental precautions:**

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**ZMYWACZ LAKIERU - PAINT REMOVER - SPRAY****SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)**

It is recommended to avoid environmental spillage of both the product and its container.

**6.3 Methods and material for containment and cleaning up:**

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

**6.4 Reference to other sections:**

See sections 8 and 13.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling:**

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

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

A.- Technical measures for storage

Minimum Temp.: 10 °C

Maximum Temp.: 20 °C

Maximum time: 24 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

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

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters:**

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

There are no applicable occupational exposure limits for the substances contained in the product

**DNEL (Workers):**

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1,3-dioxolane CAS: 646-06-0 EC: 211-463-5	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	1,18 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	3,306 mg/m <sup>3</sup>	Not relevant
Dimethoxymethane CAS: 109-87-5 EC: 203-714-2	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	17,9 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	126,6 mg/m <sup>3</sup>	Not relevant

**DNEL (General population):**

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**ZMYWACZ LAKIERU - PAINT REMOVER - SPRAY**

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dimethoxymethane CAS: 109-87-5 EC: 203-714-2	Oral	Not relevant	Not relevant	18,1 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	18,1 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	31,5 mg/m <sup>3</sup>	Not relevant

**PNEC:**



Identification				
1,3-dioxolane CAS: 646-06-0 EC: 211-463-5	STP	1 mg/L	Fresh water	19,7 mg/L
	Soil	2,62 mg/kg	Marine water	1,97 mg/L
	Intermittent	0,95 mg/L	Sediment (Fresh water)	77,7 mg/kg
	Oral	Not relevant	Sediment (Marine water)	7,77 mg/kg
Dimethoxymethane CAS: 109-87-5 EC: 203-714-2	STP	10000 mg/L	Fresh water	14,577 mg/L
	Soil	4,654 mg/kg	Marine water	1,477 mg/L
	Intermittent	Not relevant	Sediment (Fresh water)	13,135 mg/kg
	Oral	Not relevant	Sediment (Marine water)	Not relevant

**8.2 Exposure controls:**



A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection



Pictogram	PPE	Labelling	CEN Standard	Remarks
 Compulsory use of face mask	Filter mask for particles		EN 149:2001+A1:2009	Replace when an increase in resistance to breathing is observed.

C.- Specific protection for the hands



Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Protective gloves against minor risks			Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN ISO 21420:2020 and EN ISO 374-1:2016+A1:2018

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.		EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.



E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory complete body protection	Antistatic and fireproof protective clothing		EN 1149-1:2006 EN 1149-2:1997 EN 1149-3:2004 EN 168:2002 EN ISO 14116:2015 EN 1149-5:2018	Limited protection against flames.



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**ZMYWACZ LAKIERU - PAINT REMOVER - SPRAY**

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory foot protection	Safety footwear with antistatic and heat resistant properties		EN ISO 13287:2020 EN ISO 20345:2011	Replace boots at any sign of deterioration.

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

**Volatile organic compounds:**

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	93,5 % weight
V.O.C. density at 20 °C:	809 kg/m <sup>3</sup> (809 g/L)
Average carbon number:	3,17
Average molecular weight:	76,4 g/mol

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

For complete information see the product datasheet.

**Appearance:**

Physical state at 20 °C:	Aerosol
Appearance:	Slightly opalescent
Colour:	Characteristic
Odour:	Characteristic
Odour threshold:	Not available *

**Volatility:**

Boiling point at atmospheric pressure:	Not available *
Vapour pressure at 20 °C:	>350000 Pa
Vapour pressure at 50 °C:	Not available *
Evaporation rate at 20 °C:	Not available *

**Product description:**

Density at 20 °C:	940 kg/m <sup>3</sup>
Relative density at 20 °C:	0,94
Dynamic viscosity at 20 °C:	Not available *
Kinematic viscosity at 20 °C:	Not available *
Kinematic viscosity at 40 °C:	Not available *
Concentration:	Not available *
pH:	Not available *
Vapour density at 20 °C:	Not available *
Partition coefficient n-octanol/water 20 °C:	Not available *

\*Not available due to the nature of the product, not providing information property of its hazards.

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**ZMYWACZ LAKIERU - PAINT REMOVER - SPRAY****SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)**

Solubility in water at 20 °C:	Not available *
Solubility properties:	Water-soluble
Decomposition temperature:	Not available *
Melting point/freezing point:	Not available *
Recipient pressure:	Not available *

**Flammability:**

Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Not available *
Autoignition temperature:	Not available *
Lower flammability limit:	Not available *
Upper flammability limit:	Not available *

**Particle characteristics:**

Median equivalent diameter:	Non-applicable
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**9.2 Other information:****Information with regard to physical hazard classes:**

Explosive properties:	Not available *
Oxidising properties:	Not available *
Corrosive to metals:	Not available *
Heat of combustion:	Not available *
Aerosols-total percentage (by mass) of flammable components:	Not available *

**Other safety characteristics:**

Surface tension at 20 °C:	Not available *
Refraction index:	Not available *

\*Not available due to the nature of the product, not providing information property of its hazards.

**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

**10.2 Chemical stability:**

Chemically stable under the indicated conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

**10.5 Incompatible materials:**

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

**10.6 Hazardous decomposition products:**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

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**ZMYWACZ LAKIERU - PAINT REMOVER - SPRAY****SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:**

The experimental information related to the toxicological properties of the product itself is not available

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

**A- Ingestion (acute effect):**

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

**B- Inhalation (acute effect):**

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

**C- Contact with the skin and the eyes (acute effect):**

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces serious eye damage after contact.

**D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):**

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.  
IARC: Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**E- Sensitizing effects:**

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**F- Specific target organ toxicity (STOT) - single exposure:**

Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

**G- Specific target organ toxicity (STOT)-repeated exposure:**

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.

**H- Aspiration hazard:**

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

**Other information:**

Not relevant

**Specific toxicology information on the substances:**

Identification	Acute toxicity		Genus
	LD50 oral	LD50 dermal	
1,3-dioxolane	5200 mg/kg	15000 mg/kg	Rat
CAS: 646-06-0	LC50 inhalation	68,4 mg/L (4 h)	Rat
EC: 211-463-5			

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**ZMYWACZ LAKIERU - PAINT REMOVER - SPRAY****SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

Identification	Acute toxicity		Genus
	LD50 oral	LD50 dermal	
Dimethoxymethane CAS: 109-87-5 EC: 203-714-2	500 mg/kg (ATEi)	>5000 mg/kg	Rat
	>2000 mg/kg	>2000 mg/kg	Rabbit
	>20 mg/L	>20 mg/L	
Ammonia = 25 %, aqueous solution CAS: 1336-21-6 EC: 215-647-6	>2000 mg/kg	>2000 mg/kg	
	>2000 mg/kg	>2000 mg/kg	
	>20 mg/L	>20 mg/L	
Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics CAS: Non-applicable EC: 919-857-5	>5000 mg/kg	>2000 mg/kg	Rat
	>2000 mg/kg	>2000 mg/kg	
	>20 mg/L	>20 mg/L	
Butane CAS: 106-97-8 EC: 203-448-7	>2000 mg/kg	>2000 mg/kg	
	>2000 mg/kg	>2000 mg/kg	
	658 mg/L (4 h)	658 mg/L (4 h)	Rat
Propane CAS: 74-98-6 EC: 200-827-9	>2000 mg/kg	>2000 mg/kg	
	>2000 mg/kg	>2000 mg/kg	
	>5 mg/L	>5 mg/L	

**11.2 Information on other hazards:****Endocrine disrupting properties**

Endocrine-disrupting properties: The product does not meet the criteria.

**Other information**

Not relevant

**SECTION 12: ECOLOGICAL INFORMATION**

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

**12.1 Toxicity:****Acute toxicity:**

Identification	Concentration		Species	Genus
	LC50	EC50		
1,3-dioxolane CAS: 646-06-0 EC: 211-463-5	12000 mg/L (96 h)	772 mg/L (48 h)	Cyprionodon variegatus	Fish
	772 mg/L (48 h)	877 mg/L (72 h)	Daphnia magna	Crustacean
	877 mg/L (72 h)		Pseudokirchneriella subcapitata	Algae
Dimethoxymethane CAS: 109-87-5 EC: 203-714-2	6990 mg/L (96 h)	Not relevant	Pimephales promelas	Fish
	Not relevant	Not relevant		
	Not relevant	Not relevant		
Ammonia = 25 %, aqueous solution CAS: 1336-21-6 EC: 215-647-6	0,89 mg/L (96 h)	101 mg/L (48 h)	Oncorhynchus mykiss	Fish
	101 mg/L (48 h)	Not relevant	Daphnia magna	Crustacean
	Not relevant	Not relevant		

**Chronic toxicity:**

Identification	Concentration		Species	Genus
	NOEC	NOEC		
Dimethoxymethane CAS: 109-87-5 EC: 203-714-2	450,281 mg/L	150,5 mg/L	N/A	Fish
	150,5 mg/L		Daphnia magna	Crustacean

**12.2 Persistence and degradability:****Substance-specific information:**

Identification	Degradability		Biodegradability	
	BOD5	COD	Concentration	Period
1,3-dioxolane CAS: 646-06-0 EC: 211-463-5	Not relevant	Not relevant	3 mg/L	35 days
	Not relevant	Not relevant	% Biodegradable	3,7 %
	Not relevant	Not relevant		

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**ZMYWACZ LAKIERU - PAINT REMOVER - SPRAY**

**SECTION 12: ECOLOGICAL INFORMATION (continued)**

Identification	Degradability		Biodegradability	
Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics CAS: Non-applicable EC: 919-857-5	BOD5	Not relevant	Concentration	Not relevant
	COD	Not relevant	Period	28 days
	BOD5/COD	Not relevant	% Biodegradable	80 %

**12.3 Bioaccumulative potential:**

**Substance-specific information:**

Identification	Bioaccumulation potential	
1,3-dioxolane CAS: 646-06-0 EC: 211-463-5	BCF	3
	Pow Log	-0.37
	Potential	Low
Butane CAS: 106-97-8 EC: 203-448-7	BCF	33
	Pow Log	2.89
	Potential	Moderate
Propane CAS: 74-98-6 EC: 200-827-9	BCF	13
	Pow Log	2.86
	Potential	Low
Ammonia = 25 %, aqueous solution CAS: 1336-21-6 EC: 215-647-6	BCF	
	Pow Log	-0.64
	Potential	

**12.4 Mobility in soil:**

Identification	Absorption/desorption		Volatility	
1,3-dioxolane CAS: 646-06-0 EC: 211-463-5	Koc	15	Henry	2,48 Pa·m <sup>3</sup> /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	Not relevant	Moist soil	Yes
Dimethoxymethane CAS: 109-87-5 EC: 203-714-2	Koc	Not relevant	Henry	Not relevant
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	2,12E-2 N/m (25 °C)	Moist soil	Not relevant
Butane CAS: 106-97-8 EC: 203-448-7	Koc	900	Henry	96258,75 Pa·m <sup>3</sup> /mol
	Conclusion	Low	Dry soil	Yes
	Surface tension	1,187E-2 N/m (25 °C)	Moist soil	Yes
Propane CAS: 74-98-6 EC: 200-827-9	Koc	460	Henry	71636,78 Pa·m <sup>3</sup> /mol
	Conclusion	Moderate	Dry soil	Yes
	Surface tension	7,02E-3 N/m (25 °C)	Moist soil	Yes

Water-soluble

**12.5 Results of PBT and vPvB assessment:**

Product does not meet PBT/vPvB criteria

**12.6 Endocrine disrupting properties:**

Endocrine-disrupting properties: The product does not meet the criteria.

**12.7 Other adverse effects:**

Not described

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods:**

Code	Description	Waste class (Regulation (EU) No 1357/2014)
16 05 04*	gases in pressure containers (including halons) containing hazardous substances	Hazardous

**Type of waste (Regulation (EU) No 1357/2014):**

- CONTINUED ON NEXT PAGE -

**ZMYWACZ LAKIERU - PAINT REMOVER - SPRAY****SECTION 13: DISPOSAL CONSIDERATIONS (continued)**

HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

**Waste management (disposal and evaluation):**

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

**Regulations related to waste management:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

**SECTION 14: TRANSPORT INFORMATION****Transport of dangerous goods by land:**

With regard to ADR 2023 and RID 2023:



- |  |                    |
|--|--------------------|
| <b>14.1 UN number or ID number:</b>                                  | UN1950             |
| <b>14.2 UN proper shipping name:</b>                                 | AEROSOLS           |
| <b>14.3 Transport hazard class(es):</b>                              | 2                  |
| Labels:  | 2.1                |
| <b>14.4 Packing group:</b>   | N/A                |
| <b>14.5 Environmental hazards:</b>                                   | No                 |
| <b>14.6 Special precautions for user</b>                             |                    |
| Special regulations:   | 190, 327, 344, 625 |
| Tunnel restriction code:   | D                  |
| Physico-Chemical properties:   | see section 9      |
| Limited quantities:  | 1 L                |
| <b>14.7 Maritime transport in bulk according to IMO instruments:</b> | Not relevant       |

**Transport of dangerous goods by sea:**

With regard to IMDG 41-22:



- |  |                             |
|--|-----------------------------|
| <b>14.1 UN number or ID number:</b>                                  | UN1950                      |
| <b>14.2 UN proper shipping name:</b>                                 | AEROSOLS                    |
| <b>14.3 Transport hazard class(es):</b>                              | 2                           |
| Labels:  | 2.1                         |
| <b>14.4 Packing group:</b>   | N/A                         |
| <b>14.5 Marine pollutant:</b>  | No                          |
| <b>14.6 Special precautions for user</b>                             |                             |
| Special regulations:   | 63, 959, 190, 277, 327, 344 |
| EmS Codes:   | F-D, S-U                    |
| Physico-Chemical properties:   | see section 9               |
| Limited quantities:  | 1 L                         |
| Segregation group:   | Not relevant                |
| <b>14.7 Maritime transport in bulk according to IMO instruments:</b> | Not relevant                |

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2024:

- CONTINUED ON NEXT PAGE -



## Safety data sheet

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**ZMYWACZ LAKIERU - PAINT REMOVER - SPRAY**

## SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 UN number or ID number:** UN1950  
**14.2 UN proper shipping name:** AEROSOLS  
**14.3 Transport hazard class(es):** 2  
Labels: 2.1  
**14.4 Packing group:** N/A  
**14.5 Environmental hazards:** No  
**14.6 Special precautions for user**  
Physico-Chemical properties: see section 9  
**14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

## SECTION 15: REGULATORY INFORMATION

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

- Article 95, REGULATION (EU) No 528/2012: Not relevant
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

**Seveso III:**

Section	Description	Lower-tier requirements	Upper-tier requirements
P3a	FLAMMABLE AEROSOLS	150	500

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):**

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

**Other legislation:**

The product could be affected by sectorial legislation

Council Directive 75/324/EEC of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers

Commission Directive 94/1/EC of 6 January 1994 adapting some technicalities of Council Directive 75/324/EEC on the approximation of the laws of the relating Member States to aerosol dispensers

Commission Directive 2008/47/EC of 8 April 2008 amending, for the purposes of adapting to technical progress, Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers

Commission Directive 2013/10/EU of 19 March 2013 amending Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers in order to adapt its labelling provisions to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures

COMMISSION DIRECTIVE (EU) 2016/2037 of 21 November 2016 amending Council Directive 75/324/EEC as regards the maximum allowable pressure of aerosol dispensers and to adapt its labelling provisions to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

## SECTION 16: OTHER INFORMATION \*\*

**Legislation related to safety data sheets:**

\*\* Changes with regards to the previous version

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**ZMYWACZ LAKIERU - PAINT REMOVER - SPRAY****SECTION 16: OTHER INFORMATION \*\* (continued)**

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

**Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:**

COMMISSION REGULATION (EU) 2020/878

COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3):

- Removed substances  
Isobutane (75-28-5)

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):

- Pictograms
- Hazard statements

**Texts of the legislative phrases mentioned in section 2:**

H222: Extremely flammable aerosol.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H229: Pressurised container: May burst if heated.

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**CLP Regulation (EC) No 1272/2008:**

Acute Tox. 4: H302 - Harmful if swallowed.

Aquatic Acute 1: H400 - Very toxic to aquatic life.

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.

Flam. Gas 1A: H220 - Extremely flammable gas.

Flam. Liq. 2: H225 - Highly flammable liquid and vapour.

Flam. Liq. 3: H226 - Flammable liquid and vapour.

Press. Gas: H280 - Contains gas under pressure, may explode if heated.

Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

STOT SE 2: H371 - May cause damage to organs.

STOT SE 3: H335 - May cause respiratory irritation.

STOT SE 3: H336 - May cause drowsiness or dizziness.

**Classification procedure:**

Aerosol 1: Calculation method

Skin Irrit. 2: Calculation method

Eye Dam. 1: Calculation method

Aerosol 1: Calculation method

**Advice related to training:**

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**<http://echa.europa.eu><http://eur-lex.europa.eu>**Abbreviations and acronyms:**

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

LogPOW: Octanolwater partition coefficient

Koc: Partition coefficient of organic carbon

UFI: unique formula identifier

IARC: International Agency for Research on Cancer

\*\* Changes with regards to the previous version

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## Safety data sheet

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### ZMYWACZ LAKIERU - PAINT REMOVER - SPRAY

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -