

According to 1907/2006/EC (REACH), 2015/830/EU

LAKIER TERMICZNY CZARNY - SPRAY - THERMAL BLACK LACQUER 650°C - SPRAY

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

1.1 Product identifier: LAKIER TERMICZNY CZARNY - SPRAY - THERMAL BLACK LACQUER 650°C - SPRAY

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

Relevant uses: Aerosol thermal varnish.

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:

Agencja Handlowa "BOLL" Wojciech Dalewski Spółka Jawna

ul. Chemiczna 3

65-713 Zielona Góra - Polska

Phone.: 68 451 99 99 - Fax: 68 451 99 00

technolog@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

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412

Eye Irrit. 2: Eye irritation, Category 2, H319

STOT SE 3: Respiratory tract toxicity, single exposure, Category 3, H335

STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger





Hazard statements:

H222 - Extremely flammable aerosol

H229 - Pressurised container: May burst if heated

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

H336 - May cause drowsiness or dizziness

H412 - Harmful to aquatic life with long lasting effects

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand

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

P260: Do not breathe spray

P271: Use only outdoors or in a well-ventilated area

P273: Avoid release to the environment

P280: Wear protective gloves/eye protection

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P312: Call a POISON CENTER/doctor if you feel unwell

P403: Store in a well-ventilated place

P410+P412: Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122°F

P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively

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Safety data sheet According to 1907/2006/EC (REACH), 2015/830/EU

LAKIER TERMICZNY CZARNY - SPRAY - THERMAL BLACK LACQUER 650°C - SPRAY

SECTION 2: HAZARDS IDENTIFICATION (continued)

Supplementary information:

EUH066: Repeated exposure may cause skin dryness or cracking

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

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			
CAS:	67-64-1	Acetone(1)	ATP CLP00		
	200-662-2 606-001-00-8 01-2119471330-49- XXXX	Regulation 1272/2008	Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger	10 - <25 %	
CAS:	106-97-8 203-448-7	Butane ⁽¹⁾	ATP CLP00		
	203-448-7 601-004-00-0 01-2119474691-32- XXXX	Regulation 1272/2008	Flam. Gas 1A: H220; Press. Gas: H280 - Danger	10 - <25 %	
CAS:	74-98-6	Propane ⁽¹⁾	ATP CLP00		
	200-827-9 601-003-00-5 01-2119486944-21- XXXX	Regulation 1272/2008	Flam. Gas 1A: H220; Press. Gas: H280 - Danger	10 - <25 %	
CAS:	108-10-1	4-methylpentan-2-o	ne(1) ATP CLP00		
	203-550-1 606-004-00-4 01-2119473980-30- XXXX	Regulation 1272/2008	Acute Tox. 4: H332; Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H335; EUH066 - Danger	10 - <25 %	
CAS:	64742-95-6	Hydrocarbons, C9, a	romatics (EC 200-753-7 <0,1%) ⁽¹⁾ Self-classified		
EC: 918-668-5 Index: Non-applicable REACH: 01-2119455851-35- XXXX		Regulation 1272/2008	Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H335; STOT SE 3: H336; EUH066 - Danger	2,5 - <10 %	
CAS:	1330-20-7	Xylene ⁽¹⁾	Self-classified		
	215-535-7 601-022-00-9 01-2119488216-32- XXXX	Regulation 1272/2008	Acute Tox. 4: H312+H332; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H335 - Danger	1 - <2,5 %	
CAS:	95-63-6	1,2,4-trimethylbenze	ene(1) ATP CLP00		
	202-436-9 601-043-00-3 01-2119472135-42- XXXX	Regulation 1272/2008	Acute Tox. 4: H332; Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT SE 3: H335 - Warning	1 - <2,5 %	
CAS:	108-67-8	Mesitylene(1)	ATP CLP00		
	203-604-4 601-025-00-5 01-2120738996-34- XXXX	Regulation 1272/2008	Aquatic Chronic 2: H411; Flam. Liq. 3: H226; STOT SE 3: H335 - Warning	<1 %	
CAS:	100-41-4	Ethylbenzene ⁽¹⁾ ATP ATP06			
EC: 202-849-4 Index: 601-023-00-4 REACH: 01-2119489370-35- XXXX		Regulation 1272/2008	Acute Tox. 4: H332; Asp. Tox. 1: H304; Flam. Liq. 2: H225; STOT RE 2: H373 - Danger	<1 %	
CAS:	98-82-8	Cumene(1)	ATP CLP00		
	202-704-5 601-024-00-X 01-2119473983-24- XXXX	Regulation 1272/2008	Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H335 - Danger	<1 %	

 $^{^{(1)}}$ Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2015/830

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

- CONTINUED ON NEXT PAGE -

Date of compilation: 14/03/2014 Revised: 19/06/2018 Version: 3 (Replaced 2) **Page 2/16**

LAKIER TERMICZNY CZARNY - SPRAY - THERMAL BLACK LACQUER 650°C - SPRAY

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Other information:

Identification	Specific concentration limit
Mesitylene CAS: 108-67-8 EC: 203-604-4	% (w/w) >=25: STOT SE 3 - H335

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:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

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 lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of 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:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO₂). IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

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

- CONTINUED ON NEXT PAGE -

Date of compilation: 14/03/2014 Revised: 19/06/2018 Version: 3 (Replaced 2) Page 3/16



According to 1907/2006/EC (REACH), 2015/830/EU

LAKIER TERMICZNY CZARNY - SPRAY - THERMAL BLACK LACQUER 650°C - SPRAY

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.1 Personal precautions, protective equipment and emergency procedures:

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. Destroy 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.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

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.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

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. Avoid splashes and pulverizations. Consult section 10 for conditions and materials that should be avoided

C.- Technical recommendations to prevent ergonomic and toxicological risks

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

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

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

Identification	Environmental limits			
Acetone	IOELV (8h)	500 ppm	1210 mg/m ³	
CAS: 67-64-1 EC: 200-662-2	IOELV (STEL)			



LAKIER TERMICZNY CZARNY - SPRAY - THERMAL BLACK LACQUER 650°C - SPRAY

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Environmental limits		
4-methylpentan-2-one	IOELV (8h)	20 ppm	83 mg/m ³	
CAS: 108-10-1	IOELV (STEL)	50 ppm	208 mg/m ³	
Xylene	IOELV (8h)	50 ppm	221 mg/m ³	
CAS: 1330-20-7	IOELV (STEL)	100 ppm	442 mg/m ³	
1,2,4-trimethylbenzene	IOELV (8h)	20 ppm	100 mg/m ³	
CAS: 95-63-6 EC: 202-436-9	IOELV (STEL)			
Mesitylene	IOELV (8h)	20 ppm	100 mg/m ³	
CAS: 108-67-8	IOELV (STEL)			
Ethylbenzene	IOELV (8h)	100 ppm	442 mg/m ³	
CAS: 100-41-4	IOELV (STEL)	200 ppm	884 mg/m ³	
Cumene	IOELV (8h)	20 ppm	100 mg/m ³	
CAS: 98-82-8 EC: 202-704-5	IOELV (STEL)	50 ppm	250 mg/m ³	

DNEL (Workers):

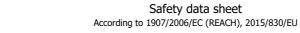
[Short	Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local	
Acetone	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
CAS: 67-64-1	Dermal	Non-applicable	Non-applicable	186 mg/kg	Non-applicable	
EC: 200-662-2	Inhalation	Non-applicable	2420 mg/m ³	1210 mg/m ³	Non-applicable	
4-methylpentan-2-one	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
CAS: 108-10-1	Dermal	Non-applicable	Non-applicable	11,8 mg/kg	Non-applicable	
EC: 203-550-1	Inhalation	208 mg/m ³	208 mg/m ³	83 mg/m ³	83 mg/m ³	
Hydrocarbons, C9, aromatics (EC 200-753-7 <0,1%)	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
CAS: 64742-95-6	Dermal	Non-applicable	Non-applicable	25 mg/kg	Non-applicable	
EC: 918-668-5	Inhalation	Non-applicable	Non-applicable	150 mg/m ³	Non-applicable	
Xylene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
CAS: 1330-20-7	Dermal	Non-applicable	Non-applicable	180 mg/kg	Non-applicable	
EC: 215-535-7	Inhalation	289 mg/m ³	289 mg/m ³	77 mg/m³	Non-applicable	
1,2,4-trimethylbenzene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
CAS: 95-63-6	Dermal	Non-applicable	Non-applicable	16171 mg/kg	Non-applicable	
EC: 202-436-9	Inhalation	100 mg/m ³	100 mg/m ³	100 mg/m ³	100 mg/m ³	
Mesitylene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
CAS: 108-67-8	Dermal	Non-applicable	Non-applicable	16171 mg/kg	Non-applicable	
EC: 203-604-4	Inhalation	100 mg/m ³	100 mg/m ³	100 mg/m ³	100 mg/m ³	
Ethylbenzene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
CAS: 100-41-4	Dermal	Non-applicable	Non-applicable	180 mg/kg	Non-applicable	
EC: 202-849-4	Inhalation	Non-applicable	293 mg/m ³	77 mg/m³	Non-applicable	
Cumene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
CAS: 98-82-8	Dermal	Non-applicable	Non-applicable	15,4 mg/kg	Non-applicable	
EC: 202-704-5	Inhalation	Non-applicable	250 mg/m ³	100 mg/m ³	Non-applicable	

DNEL (General population):

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
Acetone	Oral	Non-applicable	Non-applicable	62 mg/kg	Non-applicable
CAS: 67-64-1	Dermal	Non-applicable	Non-applicable	62 mg/kg	Non-applicable
EC: 200-662-2	Inhalation	Non-applicable	Non-applicable	200 mg/m ³	Non-applicable
4-methylpentan-2-one	Oral	Non-applicable	Non-applicable	4,2 mg/kg	Non-applicable
CAS: 108-10-1	Dermal	Non-applicable	Non-applicable	4,2 mg/kg	Non-applicable
EC: 203-550-1	Inhalation	Non-applicable	Non-applicable	14,7 mg/m ³	Non-applicable

- CONTINUED ON NEXT PAGE -

Date of compilation: 14/03/2014 Revised: 19/06/2018 Version: 3 (Replaced 2) **Page 5/16**





LAKIER TERMICZNY CZARNY - SPRAY - THERMAL BLACK LACQUER 650°C - SPRAY

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
Hydrocarbons, C9, aromatics (EC 200-753-7 <0,1%)	Oral	Non-applicable	Non-applicable	11 mg/kg	Non-applicable
CAS: 64742-95-6	Dermal	Non-applicable	Non-applicable	11 mg/kg	Non-applicable
EC: 918-668-5	Inhalation	Non-applicable	Non-applicable	32 mg/m ³	Non-applicable
Xylene	Oral	Non-applicable	Non-applicable	1,6 mg/kg	Non-applicable
CAS: 1330-20-7	Dermal	Non-applicable	Non-applicable	108 mg/kg	Non-applicable
EC: 215-535-7	Inhalation	Non-applicable	Non-applicable	14,8 mg/m ³	Non-applicable
1,2,4-trimethylbenzene	Oral	Non-applicable	Non-applicable	15 mg/kg	Non-applicable
CAS: 95-63-6	Dermal	Non-applicable	Non-applicable	9512 mg/kg	Non-applicable
EC: 202-436-9	Inhalation	29,4 mg/m ³	29,4 mg/m ³	29,4 mg/m ³	29,4 mg/m ³
Mesitylene	Oral	Non-applicable	Non-applicable	15 mg/kg	Non-applicable
CAS: 108-67-8	Dermal	Non-applicable	Non-applicable	9512 mg/kg	Non-applicable
EC: 203-604-4	Inhalation	29,4 mg/m ³	29,4 mg/m ³	29,4 mg/m ³	29,4 mg/m ³
Ethylbenzene	Oral	Non-applicable	Non-applicable	1,6 mg/kg	Non-applicable
CAS: 100-41-4	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 202-849-4	Inhalation	Non-applicable	Non-applicable	15 mg/m ³	Non-applicable
Cumene	Oral	Non-applicable	Non-applicable	5 mg/kg	Non-applicable
CAS: 98-82-8	Dermal	Non-applicable	Non-applicable	1,2 mg/kg	Non-applicable
EC: 202-704-5	Inhalation	Non-applicable	Non-applicable	16,6 mg/m ³	Non-applicable

PNEC:

Identification				
Acetone	STP	100 mg/L	Fresh water	10,6 mg/L
CAS: 67-64-1	Soil	29,5 mg/kg	Marine water	1,06 mg/L
EC: 200-662-2	Intermittent	21 mg/L	Sediment (Fresh water)	30,4 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	3,04 mg/kg
4-methylpentan-2-one	STP	27,5 mg/L	Fresh water	0,6 mg/L
CAS: 108-10-1	Soil	1,3 mg/kg	Marine water	0,06 mg/L
EC: 203-550-1	Intermittent	1,5 mg/L	Sediment (Fresh water)	8,27 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,83 mg/kg
Xylene	STP	6,58 mg/L	Fresh water	0,327 mg/L
CAS: 1330-20-7	Soil	2,31 mg/kg	Marine water	0,327 mg/L
EC: 215-535-7	Intermittent	0,327 mg/L	Sediment (Fresh water)	12,46 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	12,46 mg/kg
1,2,4-trimethylbenzene	STP	2,41 mg/L	Fresh water	0,12 mg/L
CAS: 95-63-6	Soil	2,34 mg/kg	Marine water	0,12 mg/L
EC: 202-436-9	Intermittent	0,12 mg/L	Sediment (Fresh water)	13,56 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	13,56 mg/kg
Mesitylene	STP	2,02 mg/L	Fresh water	0,101 mg/L
CAS: 108-67-8	Soil	1,34 mg/kg	Marine water	0,101 mg/L
EC: 203-604-4	Intermittent	0,101 mg/L	Sediment (Fresh water)	7,86 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	7,86 mg/kg
Ethylbenzene	STP	9,6 mg/L	Fresh water	0,1 mg/L
CAS: 100-41-4	Soil	2,68 mg/kg	Marine water	0,01 mg/L
EC: 202-849-4	Intermittent	0,1 mg/L	Sediment (Fresh water)	13,7 mg/kg
	Oral	20 g/kg	Sediment (Marine water)	1,37 mg/kg
Cumene	STP	200 mg/L	Fresh water	0,035 mg/L
CAS: 98-82-8	Soil	0,624 mg/kg	Marine water	0,0035 mg/L
EC: 202-704-5	Intermittent	0,012 mg/L	Sediment (Fresh water)	3,22 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,322 mg/kg

8.2 Exposure controls:

A.- General security and hygiene measures in the work place

- CONTINUED ON NEXT PAGE -

Date of compilation: 14/03/2014 Revised: 19/06/2018 Version: 3 (Replaced 2) Page 6/16



According to 1907/2006/EC (REACH), 2015/830/EU

LAKIER TERMICZNY CZARNY - SPRAY - THERMAL BLACK LACQUER 650°C - SPRAY

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. 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
Mandatory respiratory tract protection	Filter mask for gases, vapours and particles	CAT III	EN 149:2001+A1:2009 EN 405:2001+A1:2009	Replace when an increase in resistence to breathing is observed and/or a smell or taste of the contaminant is detected.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	NON-disposable chemical protective gloves	CAT III	EN ISO 374-1:2016 EN 16523-1:2015 EN 420:2003+A1:2009	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin.

[&]quot;As the product is a mixture of several substances, the resistance of the glove material can not be predicted in advance with total reliability and has therefore to be checked prior to the application"

D.- Ocular and facial protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory face protection	Face shield	CATII	EN 166:2001 EN 167:2001 EN 168:2001 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	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	CAT III	EN 1149-1,2,3 EN 13034:2005+A1:2009 EN ISO 13982- 1:2004/A1:2010 EN ISO 6529:2013 EN ISO 6530:2005 EN ISO 13688:2013 EN 464:1994	For professional use only. Clean periodically according to the manufacturer's instructions.
Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	CAT III	EN ISO 13287:2012 EN ISO 20345:2011 EN 13832-1:2019	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): 100 % weight

- CONTINUED ON NEXT PAGE -

Date of compilation: 14/03/2014 Revised: 19/06/2018 Version: 3 (Replaced 2) **Page 7/16**

ROLL

Safety data sheet

According to 1907/2006/EC (REACH), 2015/830/EU

LAKIER TERMICZNY CZARNY - SPRAY - THERMAL BLACK LACQUER 650°C - SPRAY

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

V.O.C. density at 20 °C: 630,5 kg/m³ (630,5 g/L)

Average carbon number: 5,71

Average molecular weight: 89,47 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:

Appearance:

Colour:

Odour:

Odour threshold:

Aerosol

Fluid

Fluid

Characteristic

Non-applicable *

Volatility:

Boiling point at atmospheric pressure: -44 °C (Propellant)

Vapour pressure at 20 °C: 830000 Pa
Vapour pressure at 50 °C: Non-applicable *
Evaporation rate at 20 °C: Non-applicable *

Product description:

Density at 20 °C: 0,8 kg/m³ Relative density at 20 °C: 0,77

Dynamic viscosity at 20 °C: Non-applicable * Kinematic viscosity at 20 °C: Non-applicable * Kinematic viscosity at 40 °C: Non-applicable * Concentration: Non-applicable * pH: Non-applicable * Vapour density at 20 °C: Non-applicable * Partition coefficient n-octanol/water 20 °C: Non-applicable * Solubility in water at 20 °C: Non-applicable * Solubility properties: Insoluble in water Decomposition temperature: Non-applicable * Non-applicable * Melting point/freezing point: Recipient pressure: Non-applicable *

Flammability:

Explosive properties:

Oxidising properties:

Flash Point:

Flammability (solid, gas):

Autoignition temperature:

Lower flammability limit:

Upper flammability limit:

-97 °C (Propellant)

Non-applicable *

Non-applicable *

0,7 % Volume

13 % Volume

Explosive:

Lower explosive limit: Non-applicable *
*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

Non-applicable *

Non-applicable *

Date of compilation: 14/03/2014 Revised: 19/06/2018 Version: 3 (Replaced 2) **Page 8/16**



According to 1907/2006/EC (REACH), 2015/830/EU

LAKIER TERMICZNY CZARNY - SPRAY - THERMAL BLACK LACQUER 650°C - SPRAY

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Upper explosive limit: Non-applicable *

9.2 Other information:

Surface tension at 20 °C:

Refraction index:

Non-applicable *

Non-applicable *

stNot relevant 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.

10.2 Chemical stability:

Chemically stable under the 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 (CO2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

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, as it does not contain substances classified as dangerous for consumption. 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 dangerous for this effect. For more information see section 3.
- B- Inhalation (acute effect):
 - Acute toxicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For more information see section 3.
 - Corrosivity/Irritability: Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.
- C- Contact with the skin and the eyes (acute effect):
 - Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for skin contact. For more information see section 3.
 - Contact with the eyes: Produces eye damage after contact.
- $\hbox{ D- } CMR \ effects \ (carcinogenicity, \ mutagenicity \ and \ toxicity \ to \ reproduction):$



According to 1907/2006/EC (REACH), 2015/830/EU

LAKIER TERMICZNY CZARNY - SPRAY - THERMAL BLACK LACQUER 650°C - SPRAY

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
 - IARC: 4-methylpentan-2-one (2B); Xylene (3); Ethylbenzene (2B); Cumene (2B)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous 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 dangerous 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 dangerous with sensitising effects. For more information see section 3.
 - Cutaneous: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- F- Specific target organ toxicity (STOT) single exposure:

Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

- 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. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.
 - Skin: Repeated exposure may cause skin dryness or cracking
- H- Aspiration hazard:

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

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification		Acute toxicity	Genus
Acetone	LD50 oral	5800 mg/kg	Rat
CAS: 67-64-1	LD50 dermal	7426 mg/kg	Rabbit
EC: 200-662-2	LC50 inhalation	76 mg/L (4 h)	Rat
Butane	LD50 oral	>2000 mg/kg	
CAS: 106-97-8	LD50 dermal	>2000 mg/kg	
EC: 203-448-7	LC50 inhalation	658 mg/L (4 h)	Rat
Propane	LD50 oral	>2000 mg/kg	
CAS: 74-98-6	LD50 dermal	>2000 mg/kg	
EC: 200-827-9	LC50 inhalation	>5 mg/L (4 h)	
4-methylpentan-2-one	LD50 oral	2080 mg/kg	
CAS: 108-10-1	LD50 dermal	>2000 mg/kg	
EC: 203-550-1	LC50 inhalation	11 mg/L (4 h) (ATEi)	
Hydrocarbons, C9, aromatics (EC 200-753-7 <0,1%)	LD50 oral	>2000 mg/kg	
CAS: 64742-95-6	LD50 dermal	>2000 mg/kg	
EC: 918-668-5	LC50 inhalation	>20 mg/L (4 h)	
Xylene	LD50 oral	2100 mg/kg	Rat
CAS: 1330-20-7	LD50 dermal	1100 mg/kg (ATEi)	Rat
EC: 215-535-7	LC50 inhalation	11 mg/L (4 h) (ATEi)	
1,2,4-trimethylbenzene	LD50 oral	3400 mg/kg	Rat
CAS: 95-63-6	LD50 dermal	3160 mg/kg	Rabbit
EC: 202-436-9	LC50 inhalation	11 mg/L (4 h)	Rat
Mesitylene	LD50 oral	6000 mg/kg	Rat
CAS: 108-67-8	LD50 dermal	>2000 mg/kg	
EC: 203-604-4	LC50 inhalation	>20 mg/L	

- CONTINUED ON NEXT PAGE -

Date of compilation: 14/03/2014 Revised: 19/06/2018 Version: 3 (Replaced 2) Page 10/16

LAKIER TERMICZNY CZARNY - SPRAY - THERMAL BLACK LACQUER 650°C - SPRAY

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
Ethylbenzene	LD50 oral	3500 mg/kg	Rat
CAS: 100-41-4	LD50 dermal	15354 mg/kg	Rabbit
EC: 202-849-4	LC50 inhalation	17,2 mg/L (4 h)	Rat
Cumene	LD50 oral	2700 mg/kg	
CAS: 98-82-8	LD50 dermal	>2000 mg/kg	
EC: 202-704-5	LC50 inhalation	>20 mg/L	

SECTION 12: ECOLOGICAL INFORMATION

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

12.1 Toxicity:

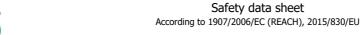
Identification		Acute toxicity	Species	Genus
Acetone	LC50	5540 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 67-64-1	EC50	23.5 mg/L (48 h)	Daphnia magna	Crustacean
EC: 200-662-2	EC50	3400 mg/L (48 h)	Chlorella pyrenoidosa	Algae
4-methylpentan-2-one	LC50	900 mg/L (48 h)	Leuciscus idus	Fish
CAS: 108-10-1	EC50	862 mg/L (24 h)	Daphnia magna	Crustacean
EC: 203-550-1	EC50	980 mg/L (48 h)	Scenedesmus subspicatus	Algae
Hydrocarbons, C9, aromatics (EC 200-753-7 <0,1%)	LC50	1 - 10 mg/L (96 h)		Fish
CAS: 64742-95-6	EC50	1 - 10 mg/L		Crustacean
EC: 918-668-5	EC50	1 - 10 mg/L		Algae
Xylene	LC50	13.5 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 1330-20-7	EC50	3.4 mg/L (48 h)	Ceriodaphnia dubia	Crustacean
EC: 215-535-7	EC50	10 mg/L (72 h)	Skeletonema costatum	Algae
1,2,4-trimethylbenzene	LC50	7.72 mg/L (96 h)	Pimephales promelas	Fish
CAS: 95-63-6	EC50	6.14 mg/L (48 h)	Daphnia magna	Crustacean
EC: 202-436-9	EC50	Non-applicable		
Mesitylene	LC50	12.5 mg/L (96 h)	Carassius auratus	Fish
CAS: 108-67-8	EC50	50 mg/L (24 h)	Daphnia magna	Crustacean
EC: 203-604-4	EC50	53 mg/L (48 h)	Scenedesmus subspicatus	Algae
Ethylbenzene	LC50	42.3 mg/L (96 h)	Pimephales promelas	Fish
CAS: 100-41-4	EC50	75 mg/L (48 h)	Daphnia magna	Crustacean
EC: 202-849-4	EC50	63 mg/L (3 h)	Chlorella vulgaris	Algae
Cumene	LC50	2.7 mg/L (96 h)	Salmo gairdneri	Fish
CAS: 98-82-8	EC50	10.8 mg/L (48 h)	Daphnia magna	Crustacean
EC: 202-704-5	EC50	2.6 mg/L (72 h)	Selenastrum capricornutum	Algae

12.2 Persistence and degradability:

Identification	De	egradability	Biode	egradability
Acetone	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 67-64-1	COD	Non-applicable	Period	28 days
EC: 200-662-2	BOD5/COD	0.96	% Biodegradable	96 %
4-methylpentan-2-one	BOD5	2.06 g O2/g	Concentration	100 mg/L
CAS: 108-10-1	COD	2.16 g O2/g	Period	14 days
EC: 203-550-1	BOD5/COD	0.95	% Biodegradable	84 %
Xylene	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 1330-20-7	COD	Non-applicable	Period	28 days
EC: 215-535-7	BOD5/COD	Non-applicable	% Biodegradable	88 %
1,2,4-trimethylbenzene	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 95-63-6	COD	Non-applicable	Period	28 days
EC: 202-436-9	BOD5/COD	0.43	% Biodegradable	18 %

- CONTINUED ON NEXT PAGE -

Date of compilation: 14/03/2014 Revised: 19/06/2018 Version: 3 (Replaced 2) **Page 11/16**





LAKIER TERMICZNY CZARNY - SPRAY - THERMAL BLACK LACQUER 650°C - SPRAY

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
Mesitylene	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 108-67-8	COD	Non-applicable	Period	14 days
EC: 203-604-4	BOD5/COD	Non-applicable	% Biodegradable	0 %
Ethylbenzene	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 100-41-4	COD	Non-applicable	Period	14 days
EC: 202-849-4	BOD5/COD	Non-applicable	% Biodegradable	90 %
Cumene	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 98-82-8	COD	Non-applicable	Period	14 days
EC: 202-704-5	BOD5/COD	Non-applicable	% Biodegradable	40 %

12.3 Bioaccumulative potential:

Identification		Bioaccumulation potential	
Acetone	BCF	1	
CAS: 67-64-1	Pow Log	-0.24	
EC: 200-662-2	Potential	Low	
Butane	BCF	33	
CAS: 106-97-8	Pow Log	2.89	
EC: 203-448-7	Potential	Moderate	
Propane	BCF	13	
CAS: 74-98-6	Pow Log	2.86	
EC: 200-827-9	Potential	Low	
4-methylpentan-2-one	BCF	2	
CAS: 108-10-1	Pow Log	1.31	
EC: 203-550-1	Potential	Low	
Xylene	BCF	9	
CAS: 1330-20-7	Pow Log	2.77	
EC: 215-535-7	Potential	Low	
1,2,4-trimethylbenzene	BCF	154	
CAS: 95-63-6	Pow Log	3.78	
EC: 202-436-9	Potential	High	
Mesitylene	BCF	182	
CAS: 108-67-8	Pow Log	3.42	
EC: 203-604-4	Potential	High	
Ethylbenzene	BCF	1	
CAS: 100-41-4	Pow Log	3.15	
EC: 202-849-4	Potential	Low	
Cumene	BCF	120	
CAS: 98-82-8	Pow Log	3.66	
EC: 202-704-5	Potential	High	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Acetone	Koc	1	Henry	2,93 Pa·m³/mol
CAS: 67-64-1	Conclusion	Very High	Dry soil	Yes
EC: 200-662-2	Surface tension	2,304E-2 N/m (25 °C)	Moist soil	Yes
Butane	Koc	900	Henry	96258,75 Pa·m³/mol
CAS: 106-97-8	Conclusion	Low	Dry soil	Yes
EC: 203-448-7	Surface tension	1,187E-2 N/m (25 °C)	Moist soil	Yes
Propane	Koc	460	Henry	71636,78 Pa·m³/mol
CAS: 74-98-6	Conclusion	Moderate	Dry soil	Yes
EC: 200-827-9	Surface tension	7,02E-3 N/m (25 °C)	Moist soil	Yes

- CONTINUED ON NEXT PAGE -

Date of compilation: 14/03/2014 Revised: 19/06/2018 Version: 3 (Replaced 2) **Page 12/16**



LAKIER TERMICZNY CZARNY - SPRAY - THERMAL BLACK LACQUER 650°C - SPRAY

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volat	ility
4-methylpentan-2-one	Koc	Non-applicable	Henry	Non-applicable
CAS: 108-10-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 203-550-1	Surface tension	2,35E-2 N/m (25 °C)	Moist soil	Non-applicable
Xylene	Koc	202	Henry	524,86 Pa·m³/mol
CAS: 1330-20-7	Conclusion	Moderate	Dry soil	Yes
EC: 215-535-7	Surface tension	Non-applicable	Moist soil	Yes
1,2,4-trimethylbenzene	Koc	537	Henry	624,16 Pa·m³/mol
CAS: 95-63-6	Conclusion	Low	Dry soil	Yes
EC: 202-436-9	Surface tension	2,919E-2 N/m (25 °C)	Moist soil	Yes
Mesitylene	Koc	1445	Henry	888,62 Pa·m³/mol
CAS: 108-67-8	Conclusion	Low	Dry soil	Yes
EC: 203-604-4	Surface tension	2,805E-2 N/m (25 °C)	Moist soil	Yes
Ethylbenzene	Koc	520	Henry	798,44 Pa·m³/mol
CAS: 100-41-4	Conclusion	Moderate	Dry soil	Yes
EC: 202-849-4	Surface tension	2,859E-2 N/m (25 °C)	Moist soil	Yes
Cumene	Koc	Non-applicable	Henry	Non-applicable
CAS: 98-82-8	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 202-704-5	Surface tension	2,769E-2 N/m (25 °C)	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 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	Dangerous

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

HP3 Flammable, HP14 Ecotoxic, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP6 Acute Toxicity, HP4 Irritant — skin irritation and eye damage

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-dangerous residue. We do not recommended disposal down the drain. 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 2019 and RID 2019:





LAKIER TERMICZNY CZARNY - SPRAY - THERMAL BLACK LACQUER 650°C - SPRAY

SECTION 14: TRANSPORT INFORMATION (continued

14.1 UN number: UN1950

AEROSOLS, flammable 14.2 UN proper shipping name:

14.3 Transport hazard class(es):

Labels: 2.1

14.4 Packing group: N/A 14.5 Environmental hazards: No

14.6 Special precautions for user

190, 327, 344, 625 Special regulations:

Tunnel restriction code:

Physico-Chemical properties: see section 9

Limited quantities: 1 L

14.7 Transport in bulk according

the IBC Code:

Non-applicable to Annex II of Marpol and

Transport of dangerous goods by sea:

With regard to IMDG 38-16:

14.1 UN number: UN1950

14.2 UN proper shipping name: AEROSOLS, flammable

14.3 Transport hazard class(es): Labels: 2.1

14.4 Packing group: N/A 14.5 Environmental hazards: Nο

14.6 Special precautions for user

Special regulations: 190, 277, 327, 344, 63, 959

EmS Codes: F-D, S-U Physico-Chemical properties: see section 9

Limited quantities: 1 I

Segregation group: Non-applicable 14.7 Transport in bulk according Non-applicable

to Annex II of Marpol and the IBC Code:

Transport of dangerous goods by air:

With regard to IATA/ICAO 2019:



14.1 UN number: UN1950

14.2 UN proper shipping name: AEROSOLS, flammable

14.3 Transport hazard class(es): Labels: 2.1 14.4 Packing group: N/A 14.5 Environmental hazards: Nο

14.6 Special precautions for user

Physico-Chemical properties: see section 9 14.7 Transport in bulk according Non-applicable

to Annex II of Marpol and

the IBC Code:

SECTION 15: REGULATORY INFORMATION

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

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

- CONTINUED ON NEXT PAGE -

Date of compilation: 14/03/2014 Revised: 19/06/2018 Version: 3 (Replaced 2) Page 14/16



According to 1907/2006/EC (REACH), 2015/830/EU

LAKIER TERMICZNY CZARNY - SPRAY - THERMAL BLACK LACQUER 650°C - SPRAY

SECTION 15: REGULATORY INFORMATION (continued)

Seveso III:

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

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

Regulation (EU) No 98/2013 of the European Parliament and of the Council of 15 January 2013 on the marketing and use of explosives precursors: Contains Acetone. Product under the provisions of Article 9 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

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:

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 (Regulation (EC) No 2015/830)

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

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H222: Extremely flammable aerosol

H319: Causes serious eye irritation

H335: May cause respiratory irritation

H336: May cause drowsiness or dizziness

H412: Harmful to aquatic life with long lasting effects

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: H312+H332 - Harmful in contact with skin or if inhaled

Acute Tox. 4: H332 - Harmful if inhaled

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects

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

Eye Irrit. 2: H319 - Causes serious eye irritation

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 Irrit. 2: H315 - Causes skin irritation

STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure

STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral)

STOT SE 3: H335 - May cause respiratory irritation

STOT SE 3: H336 - May cause drowsiness or dizziness

Classification procedure:

- CONTINUED ON NEXT PAGE -



LAKIER TERMICZNY CZARNY - SPRAY - THERMAL BLACK LACQUER 650°C - SPRAY

SECTION 16: OTHER INFORMATION (continued)

Aerosol 1: Calculation method Eye Irrit. 2: Calculation method STOT SE 3: Calculation method STOT SE 3: Calculation method Aquatic Chronic 3: Calculation method

Aerosol 1: Calculation method **Advice related to training:**

Minimal 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: 5-day biochemical oxygen demand

BCF: Bioconcentration factor LD50: Lethal Dose 50 LC50: Lethal Concentration 50 EC50: Effective concentration 50

Date of compilation: 14/03/2014

Log-POW: Octanol-water partition coefficient Koc: Partition coefficient of organic carbon

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 -

Revised: 19/06/2018 Version: 3 (Replaced 2) Page 16/16