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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Grafen Professional Spray Paint

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

Relevant identified uses: Acrylic and solvent spray paint, specially formulated for interior decoration, outdoor decoration and protection. Thanks to a special formula it can be used on wooden, metal surfaces, plastic, concrete, paper, glass and cardboard.

Uses advised against: No data available

1.3 Details of the supplier of the safety data sheet:

Supplier:	Madejski Sp. J.
Street address:	Makuszyńskiego 28 Street
Country/Postcode:	Poland, 31-752 Kraków
Telephone number:	+48 (12) 643 67 67
E-mail:	info@madejski.com.pl

1.4 Emergency telephone number:

112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Mixture:

Classification according to Regulation (EC) No 1272/2008 (CLP)

Aerosol 1 H222; H229 Extremely flammable aerosol. Pressurised container: May burst if heated. (Aerosols) - Hazard Category 1

Eye Irrit.2 H319 Causes serious eye irritation (Serious eye damage/eye irritation) - hazard category 2

STOT SE.3 H336 May cause drowsiness or dizziness (Specific target organ toxicity — Single exposure) - Hazard Category 3

2.2 Label elements

Contains acetone, n-butyl acetate.

Supplemental information on the label:

EUH066 Repeated exposure may cause skin dryness or cracking.

Hazard pictograms:



Signal word:

DANGER

Hazard statements:

H222; H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness


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.

P251 Do not pierce or burn, even after use.

P261 Avoid breathing dust/fume/gas/mist/vapours/ spray.

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P280 Wear protective gloves/protective clothing/eye protection/face 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.
 P403 Store in a well-ventilated place.
 P405 Store locked up.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
 P501 Dispose of contents/container to in accordance with local/ regional/national/international regulation.

2.3 Other hazards

This mixture does not contain any substances that are assessed to be a PBT or a vPvB..

SECTION 3: Composition/information on ingredients

3.1 Substances: Not applicable


3.2 Mixtures:

Hazardous ingredients according to Regulation (EC) No 1272/2008 and/or substances for which there are Union workplace exposure limits:

Name	Identifiers	[% weight]	Classification according to Regulation (EC) No 1278/2008 (CLP)
Dimethyl ether	Index No: 603-019-00-8 EC No: 204-065-8 CAS No: 115-10-6 REACH Registration No: 01-2119472128-37-0003	<70	Flam. Gas1 H220 Press. Gas Note U
Acetone	Index No: 606-001-00-8 EC No: 200-662-2 CAS No: 67-64-1 REACH Registration No: 01-2119471330-49-0000	<20	Flam. Liq.2 H225 Eye Irrit.2 H319 STOT SE.3 H336 EUH066
Xylene	Index No: 601-022-00-9 EC No: 215-535-7 CAS No: 1330-20-7 REACH Registration No: 01-2119488216-32-0007	<10	Flam. Liq.3 H226 Asp. Tox.1 H304 Acute Tox.4 H312 Skin Irrit.2 H315 Eye Irrit.2 H319 Acute Tox.4 H332 STOT SE.3 H335 STOT RE.2 H373 Uwaga C
n-butyl acetate	Index No: 607-025-00-1 EC No: 204-658-1 CAS No: 123-86-4 REACH Registration No: 01-2119485493-29-0000	<5	Flam.Liq.3 H226 STOT SE.3 H336 EUH066
Butan-1-ol	Index No: 603-004-00-6 EC No: 200-751-6 CAS No: 71-36-3 REACH Registration No: 01-2119484630-38-0010	<0,1	Flam. Liq.3 H226 Acute Tox.4 H302 Skin Irrit.2 H315 Eye Dam.1 H318 STOT SE.3 H335 STOT SE.3 H336

Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Note U: When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in

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which the gas is packaged and therefore has to be assigned case by case. The following codes are assigned: Press. Gas (Comp.) Press. Gas (Liq.) Press. Gas (Ref. Liq.) Press. Gas (Diss.) Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2).

The Full Text for all H-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Following eye contact: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 10 minutes and get medical attention promptly if symptoms occur and persists after washing.

Following inhalation: Move the exposed person to fresh air at once. Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues.

Following skin contact: Immediately remove contaminated clothing. Wash the skin with plenty of water. Contaminated clothing should be washed before re-use. Get medical attention promptly if symptoms occur and persists after washing.

Following ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical advice. Provide ventilation. Call a poison centre or a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms after inhalation: May cause drowsiness or dizziness.

Symptoms after skin contact: Repeated exposure may cause skin dryness or cracking.

Symptoms after eye contact: Eye irritation.

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

If any symptoms persist seek medical advice and show the msds or label.

Notes for the doctor: Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: foam, carbon dioxide, dry powder, water spray

Unsuitable extinguishing media: do not use water in a jet

5.2 Special hazards arising from the substance or mixture

Extremely flammable aerosol. Pressurised container: May burst if heated. Thermal decomposition or combustion may liberate toxic fumes.

5.3 Advice for firefighters

Special Fire Fighting Procedures: Wear full protective clothing and self-contained breathing apparatus.

Protective equipment for fire-fighters: Keep containers cool by spraying with water. If possible remove containers from the danger zone. Prevent from spreading or entering drains, ditches or rivers. Dispose of released and contained material in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures


For non-emergency personnel:

Remove from the danger area all persons not involved in the emergency. If necessary, order the evacuation. Avoid contact with skin, eyes. Avoid inhalation of vapours / aerosols. Provide ventilation.

For emergency responders:

Wear protective clothing as described in Section 8.

6.2 Environmental precautions

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Do not discharge into drains, water courses or into the ground. Local authorities should be advised if any exposure to the environment occurs.

6.3 Methods and material for containment and cleaning up

Mechanically recover the product. Collect in a waste container. Dispose of waste according to the applicable local and national regulation.

6.4 Reference to other sections

See Section 8 for information on personal protective equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures:

Avoid contact with eyes, skin. When handling, use appropriate personal protective equipment (see Section 8). Keep away from fire, do not smoke. When using do not eat or drink. Avoid direct contact with the product.

Advice on general occupational hygiene:

Ensure good ventilation / exhaustion at the workplace. When using do not eat, drink or smoke. Wash hand before and after work with product. Contaminated clothing should be washed before re-use. Provide appropriate exhaust ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Store locked up in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks, sunlight, open flame and smoking. Do not expose to temperatures exceeding 50°C.

7.3 Specific end use(s)


Paint

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

International Limits Values:

Substance	CAS No:	Basis / Country	Limit values			
			Short Term [mg/m ³]	Short Term [ppm- Calculated]	Eight hours [mg/m ³]	Eight hours [ppm- Calculated]
Dimethyl ether	115-10-6	European Union	-	-	1920	1000
		Finland	-	-	2000	1000
		Switzerland	-	-	1910	1000
		United Kingdom	958	500	766	400
		Belgium	-	-	1920	1000
Acetone	67-64-1	European Union	-	-	1210	500
		Finland	1500	630	1200	500
		Switzerland	2400	1000	1200	500
		United Kingdom	3620	1500	1210	500
		Belgium	2420	1000	1210	500
Xylene	1330-20-7	European Union	442	100	221	50
		Finland	440	100	220	50
		Switzerland	870	200	435	100
		United Kingdom	441	100	220	50
		Belgium	442	100	221	50
n-butyl acetate	123-86-4	European Union	-	-	-	-
		Finland	960	200	720	150
		Switzerland	960	200	480	100
		United Kingdom	966	200	724	150
		Belgium	964	200	723	150

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Butan-1-ol	71-36-3	European Union	-	-	-	-
		Finland	230	75	150	50
		Switzerland	310	100	310	100
		United Kingdom	154	50	-	-
		Belgium	-	-	62	20

DNEL, PNEC – no data available

8.2 Exposure controls

Appropriate engineering controls

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear approved chemical safety goggles where eye exposure is reasonably probable. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166.

Skin protection

Hand protection: Use gloves. Gloves must be inspected prior to use. Recommended gloves:

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Other: Wear protective clothing. Contaminated clothing should be washed before re-use.

Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a face respirator.


Environmental exposure controls

Do not discharge into drains, water courses or into the ground. Local authorities should be advised if any exposure to the environment occurs.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Aerosol
Odour	Characteristic
Odour threshold	No data available
pH	No data available
Melting point / freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Solubility(ies)	I No data available
Partition coefficient: n-octanol / water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available

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Oxidising properties No data available

9.2 Other information:

No data available

SECTION 10: Stability and Reactivity

10.1 Reactivity

Not reactive under normal conditions of storage and use.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No further relevant information available.

10.4 Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Dimethyl ether

LD50 (oral)	No data available
LC50 (inhalation)	164000 ppm
LD50 (dermal)	No data available

Acetone

LD50 (rat, oral)	5 800 mg/kg bw
LC50 (rat, inhalation)	132 mg/L
LD50 (rabbit, dermal)	> 7 426 mg/kg bw

Xylene

LD50 (rat, oral)	3 523 mg/kg bw
LC50 (rat, inhalation)	6 700 ppm
LD50 (rabbit, dermal)	> 5 000 mL/kg bw

n-butyl acetate

LD50 (rat, oral)	14.5 mL/kg bw.
LC50 (rat, inhalation)	0.74 mg/L
LD50 (rabbit, dermal)	16 mL/kg bw.

Butan-1-ol

LD50 (rat, oral)	2.83 mL/kg bw
LC0 (rat, inhalation)	> 17.76 mg/L
LD50 (rabbit, dermal)	ca. 3 430 mg/kg bw.

ATE mix(dermal):


ATE mix> 2000 mg/kg bw

ATEmix (inhalation):

ATEmix >20 000ppmV

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

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Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information

No further relevant information available.

SECTION 12: Ecological information

12.1 Toxicity

No data available for the mixture.

Dimethyl ether

Fish (<i>Poecilia reticulata</i>)	LC50	>4.1 g/L exposition time: 96h
Aquatic invertebrates (<i>Daphnia magna</i>)	EC50	4.4 g/L exposition time: 48h
Algae and bacteria (green algae)	EC50	154.917 mg/L exposition time: 96h

Acetone

Fish (<i>Pimephales promelas</i>)	LC50	8 120 mg/L exposition time: 96h
Aquatic invertebrates (<i>Daphnia pulex</i>)	LC50	8 800 mg/L exposition time: 48h
Algae and bacteria (<i>Pseudokirchneriella subcapitata</i>)	NOEC	7 000 mg/L exposition time: 96h

n-butyl acetate

Fish (<i>Pimephales promelas</i>)	LC50	18 mg/L exposition time: 96h
Aquatic invertebrates (<i>Daphnia sp.</i>)	EC50	44 mg/L exposition time: 48h
Algae and bacteria (<i>Desmodesmus subspicatus</i>)	EC50	506.8 mg/L exposition time: 24h

Butan-1-ol

Fish (<i>Pimephales promelas</i>)	LC50	1 376 mg/L exposition time: 96h
Aquatic invertebrates (<i>Daphnia magna</i>)	EC50	1 328 mg/L exposition time: 48h
Algae and bacteria (<i>Pseudokirchneriella subcapitata</i>)	EC50	5225 mg/L exposition time: 96h

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment


This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

Proposed waste code

08 01 11* Waste paint and varnish containing organic solvents or other hazardous substances

SECTION 14: Transport Information

	ADR/RID	ADN/ADNR	IMDG	IATA
14.1. UN number	1950	1950	1950	1950
14.2. UN proper shipping name	Aerosol	Aerosol	Aerosol	Aerosol, flammable
14.3. Transport hazard class(es) label	2.1	2.1	2.1	2.1
14.4. Packing group	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards	No	No	No	No
14.6. Special precautions for user	Tunnel restriction code: D	Not applicable	EmS No: F-D, S-U	Not applicable
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable	Not applicable	Not applicable	Not applicable

SECTION 15: Regulatory information

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

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH),

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

2014/955/EU: Commission Decision of 18 December 2014 amending Decision 2000/532/EC on the list of waste pursuant to Directive 2008/98/EC of the European Parliament and of the Council Text with EEA relevance

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

Classification according to Regulation (EC) No. 1272/2008

Classification procedure: calculation method

Aerosol 1 H222; H229

Eye Irrit.2 H319

STOT SE.3 H336

Relevant H-statements (number and full text)

H220 Extremely flammable gas.


H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways

H312 Harmful in contact with skin.

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H315 Causes skin irritation
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness
 H373 May cause damage to organs through prolonged or repeated exposure.

Additional Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, Information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

It is the responsibility of persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces a formulation containing the product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Product Safety Data Sheet to their own Product Safety Data Sheet.

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. As stated above, this Safety Data Sheet has been prepared in compliance with applicable European law. If you purchase this material outside Europe, where compliance laws may differ, you should receive from your local supplier a SDS applicable to the country in which the product is sold and intended to be used. Please note that the appearance and content of the SDS may vary –even for the same product between different countries, reflecting the different compliance requirements.