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

1.1 Product identifier

Grafen Professional Label Remover Spray

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

Relevant identified uses: Grafen Professional Label Remover Spray has a special formula for quick and effective removal of self-adhesive labels and stickers on various types of surfaces.

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 Extremely flammable aerosol (Aerosols) - Hazard Category 1

H229 Pressurised container: May burst if heated (Aerosols) - Hazard Category 1, 2, 3

Skin Irrit.2 H315 Causes skin irritation (Skin corrosion/irritation) - Hazard Category 2

Skin Sens.1 H317 May cause an allergic skin reaction (Sensitisation — Skin) - Hazard category 1, 1A, 1B

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

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects (— Hazardous to the aquatic environment — Chronic Hazard) - Category 2

2.2 Label elements

Contains Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics, 4-Isopropenyl-1-methylcyclohexene.

Supplemental information on the label:

Not applicable

Hazard pictograms:



Signal word:

DANGER

Hazard statements:


H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated

H315 Causes skin irritation

H317 May cause an allergic skin reaction.

H336 May cause drowsiness or dizziness

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H411 Toxic to aquatic life with long lasting effects.

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.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352 IF ON SKIN: Wash with plenty of water with soap.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- 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)
Petroleum gases, liquefied (LPG)	Index No: 649-202-00-6 EC No: 270-704-2 CAS No: 68476-85-7 REACH Registration No:-	<60	Flam. Gas.1 H220 Press Gas (comp.) H280 Note U, K
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	Index No: - EC No: 919-857-5 CAS No: 64742-48-9 REACH Registration No: 01-2119463258-33-0009	<40	Flam. Liq.3 H226 Asp. Tox.1 H304 STOT SE.3 H336
4-Isopropenyl-1-Methylcyclohexene (orange extract)	Index No: - EC No: 232-433-8 CAS No: 8028-48-6 REACH Registration No: 01-2119493353-35-0013	<15	Flam. Liq.3 H226 Asp. Tox.1 H304 Skin Irrit.2 H315 Skin Sens.1 H317 Aquatic Chronic1 H410

Note K – The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w 1,3- butadiene (EINECS No 203-450-8). If the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102)-P210-P403 (Table 3.1) or the S-phrases (2-)-9-16 (Table 3.2) should apply. This note applies only to certain complex oil-derived substances in Part 3.

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 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.)

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Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2).

A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration.

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 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 with soap. 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

Following inhalation: may cause drowsiness or dizziness.

Following skin contact: skin irritation signs and symptoms may include a burning sensation, redness. May cause an allergic reaction.

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. May burst if heated. Thermal decomposition or combustion may liberate carbon oxides, carbon dioxide.

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

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

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6.3 Methods and material for containment and cleaning up

Collect mechanically in a waste container. Dispose of waste according to the applicable local and national regulation. Clean exposed surfaced with an excess of water.

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 in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks, sunlight, open flame and smoking. Store locked up in temperature below 50°C.

7.3 Specific end use(s)

Label remover

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]
Petroleum gases, liquefied (LPG)	68476-85-7	Belgium	-	-	1826	1000
		United Kingdom	2180	1250	1750	1000

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.

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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	Liquid under pressure - Aerosol
Odour	No data available
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	Not applicable
Flammability (solid, gas)	No data available
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)	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
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 high temperatures above 50°C, direct sunlight, hot surfaces and open fire.

10.5 Incompatible materials

No further relevant information available

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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

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

LD50 (rat, oral) > 15 000 mg/kg bw.

LC50 (rat, inhalation) > 4 951 mg/m³

LD50 (rabbit, dermal) > 5 000 mg/kg bw.

4-Isopropenyl-1-Methylcyclohexene

LD50 (rat, oral) > 5 000 mg/kg bw

LC50 (inhalation) > no data available

LD50 (rabbit, dermal) > 5 000 mg/kg bw

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

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

Respiratory or skin sensitisation

May cause an allergic skin reaction.

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.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Fish (*Oncorhynchus mykiss*) LL50 > 1 000 mg/L exposition time: 96h

Aquatic invertebrates (*Daphnia magna*) EL50 > 1 000 mg/L exposition time: 48h

Algae and bacteria (*Pseudokirchneriella subcapitata*) EL50 > 1 000 mg/L exposition time: 72h

4-Isopropenyl-1-Methylcyclohexene

Fish (*Danio rerio*) LL50 5.25 mg/L exposition time: 96h

Aquatic invertebrates (*Daphnia magna*) EL50 1.1 mg/L exposition time: 48h

Algae and bacteria (*Desmodesmus subspicatus*) EL50 150 mg/L exposition time: 72h

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.

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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

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

Proposed waste code

14 06 03* Other solvents and solvent mixtures

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
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	YES	YES	YES	YES
14.6. Special precautions for user	Tunnel restriction code: D	Not applicable	EmS: 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

Skin Irrit.2 H315

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Skin Sens.1 H317
STOT SE.3 H336
Aquatic Chronic2 H411

Relevant H-statements (number and full text)

H220 Extremely flammable gas
 H226 Flammable liquid and vapour
 H280 Contains gas under pressure; may explode if heated
 H304 May be fatal if swallowed and enters Airways
 H315 Causes skin irritation
 H317 May cause an allergic skin reaction.
 H336 May cause drowsiness or dizziness
 H410 Very toxic to aquatic life with long lasting effects.

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.