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|  | MATERIAL SAFETY DATA SHEET According to article 31 and Annex II of the EU REACH Regulation | Revision: 11.08.2017 |
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Grafen Professional Cockpit Spray Mat

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

Relevant identified uses: Spray to clean and protect the console and the surface of the leather. Polishes and prevents cracking.

Uses advised against: No further relevant information available.

1.3 Details of the supplier of the safety data sheet:

| | |
|--------------------------|------------------------|
| Supplier: | Madejski Sp. J. |
| Street address: | Makuszyńskiego 28 |
| 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)

| Classification of the mixture | Regulation (EC) No 1272/2008 (CLP) |
|----------------------------------|------------------------------------|
| Hazard | |
| Physical and chemical properties | Aerosol1 H222, H229 |
| Human | Not classified |
| Environment | Not classified |

2.2 Label elements

Supplemental information on the label:


Not applicable

Hazard pictograms:



Signal word:
DANGER

Hazard statements:

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H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

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

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

P271 Use only outdoors or in a well-ventilated area

P362+ P364 Take off contaminated clothing and wash it before reuse

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

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:

| Name | Identifiers | [% weight] | Classification according to Regulation (EC) No 1278/2008 (CLP). |
|-----------|---|------------|---|
| Propane | Index No: 601-003-00-5 EC No: 200-827-9 CAS No: 74-98-6 REACH Registration No:- | 25-40 | Flam. Gas.1 H220 Press Gas |
| Isobutane | Index No: 601-004-00-0 EC No: 200-857-2 CAS No: 75-28-5 REACH Registration No:- | 25-40 | Flam. Gas.1 H220 Press Gas |
| Butane | Index No: 601-004-00-0 EC No: 203-448-7 CAS No: 106-97-8 REACH Registration No:- | 25-40 | Flam. Gas.1 H220 Press Gas |

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 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 soap and water. Contaminated clothing should be washed before re-use. Get medical attention promptly if symptoms occur after washing.

Following ingestion: Do not induce vomiting. Immediately rinse mouth and drink few glasses of water or milk. Never give anything by mouth to an unconscious person. Seek medical advice. Provide ventilation.

4.2 Most important symptoms and effects, both acute and delayed

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Inhalation:

Prolonged inhalation of high concentrations may cause damage to respiratory system.

Skin:

Repeated exposure may cause skin dryness.

Eye:

May causes 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

Vapours may form explosive mixtures with air. Containers can burst violently or explode when heated, due to excessive pressure build-up. Thermal decomposition or combustion may liberate carbon oxides.

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:

Removed 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.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (eg. sawdust, sand). Collect in a waste container. Dispose of waste according to the applicable local and national regulation. Flush contaminated area with plenty 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 breathing vapour or aerosol. Avoid contact with eyes, skin. When handling, use appropriate personal protective equipment (see Section 8). Keep away from heat, sparks, flame and all other sources of ignition. Do not pierce or burn, even after use. Do not smoke! When using do not eat or drink. Avoid direct contact

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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. Avoid spillage.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place (in temperature below 50°C). Keep containers upright. Containers should be protected from overheating. Keep away from heat, sparks, sunlight, open flame and smoking. Do not store together with oxidizing agents and combustible materials. Keep away from oxidising materials.

7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

International Limits Values:

| Substance | CAS No: | Basis / Country | Short Time Value [mg/m ³] | Short Time Value [ppm-Calculated] | Time Weighted Average Exposure Limit [mg/m ³ -8 h] | Time Weighted Average Exposure Limit [ppm-Calculated] |
|-----------|----------|---------------------------|---------------------------------------|-----------------------------------|---|---|
| Isobutane | 75-28-5 | Germany European Union | 9600 - | 4000 - | 2400 - | 1000 - |
| Propane | 74-98-6 | Germany European Union | 7200 - | 4000 - | 1800 - | 1000 - |
| Butane | 106-97-8 | Germany European Union | 9600 - | 4000 - | 2400 - | 1000 - |

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

No data available for isobutane, propane, butane.

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

No data available for isobutane, propane, butane.

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

Avoid contact with eyes. 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: protected from freezing.

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. It is

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recommended to use respiratory equipment with filter P.

Environmental exposure controls

Local guidelines on emission limits for volatile substances must be observed for the discharge of exhaust air containing vapour. 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 | 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 | No data available |
| 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

React with oxidizing substances.

10.4 Conditions to avoid

Avoid release to the environment. Avoid heat, flames and other sources of ignition. Containers may

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explode at temperatures above 50°C.

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

Isobutane

| | |
|------------------------|--------------------------------------|
| LD50 (oral) | No data available |
| LD50 (dermal) | No data available |
| LC50 (rat, inhalation) | > 800 000 ppm exposition time:15 min |

Propane

| | |
|------------------------|--------------------------------------|
| LD50 (oral) | No data available |
| LD50 (dermal) | No data available |
| LC50 (rat, inhalation) | > 800 000 ppm exposition time:15 min |

Butane

| | |
|------------------------|--------------------------------------|
| LD50 (oral) | No data available |
| LD50 (dermal) | No data available |
| LC50 (rat, inhalation) | > 800 000 ppm exposition time:15 min |

Skin corrosion/irritation

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

Serious eye damage/irritation

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

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

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

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.

Isobutane

| | | |
|-------------------------------------|------|---------------------------------|
| Fish | LC50 | 91.42 mg/L exposition time: 96h |
| Aquatic invertebrates (Daphnia sp.) | LC50 | 69.43 mg/L exposition time: 48h |
| Algae and bacteria (Green algae) | EC50 | 11.89 mg/L exposition time: 96h |

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Propane

| | | |
|-------------------------------------|------|---------------------------------|
| Fish | LC50 | 49.9 mg/L exposition time: 96h |
| Aquatic invertebrates (Daphnia sp.) | LC50 | 69.43 mg/L exposition time: 48h |
| Algae and bacteria (Green algae) | EC50 | 16.47 mg/L exposition time: 96h |

Butane

| | | |
|-------------------------------------|------|----------------------------------|
| Fish | LC50 | 147.54 mg/L exposition time: 96h |
| Aquatic invertebrates (Daphnia sp.) | LC50 | 69.43 mg/L exposition time: 48h |
| Algae and bacteria (Green algae) | EC50 | 16.47 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


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

Proposed waste code

16 05 04*gases in pressure containers (including halons) containing hazardous substances

SECTION 14: Transport Information

| | ADR/RID | IMDG | IATA |
|---|-------------------------------|-------------------------|----------------|
| 14.1. UN number | UN1950 | UN1950 | UN1950 |
| 14.2. UN proper shipping name | Aerosols | Aerosols | Aerosols |
| 14.3. Transport hazard class(es) | 2.1 | 2.1 | 2.1 |
| 14.4. Packing group | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | NO | NO | NO |
| 14.6. Special precautions for user | Tunnel restriction code: D | Number 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 |

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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

Relevant H-statements (number and full text)

H220 Extremely flammable gas.

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.