	MATERIAL SAFETY DATA SHEET According to article 31 and Annex II of the EU REACH Regulation	Revision: 11.08.2017
		Update date: -
	GRAFEN PROFESSIONAL SEAT CLEANER SPRAY	Version 1.0
		Page 1 of 11

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

1.1 Product identifier

Grafen Professional Seat Cleaner Spray

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

Relevant identified uses: Spray for cleaning and protecting textile surfaces. Removes stains, gives the surface flexibility and natural appearance.

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	Skin Irrit.2 H315 Eye Dam.1 H318
Environment	Aquatic Chronic 3 H412

2.2 Label elements

Contains Sodium dodecylbenzenesulfonate, Nonylphenol Ethoxylate.

Supplemental information on the label:


Regulation (EC) No. 648/2004 on detergents

Contains anionic surfactants 5% or more but less than 15%.

Contains non-ionic surfactants less than 5%.

Hazard pictograms:



	MATERIAL SAFETY DATA SHEET According to article 31 and Annex II of the EU REACH Regulation	Revision: 11.08.2017
		Update date: -
	GRAFEN PROFESSIONAL SEAT CLEANER SPRAY	Version 1.0
		Page 2 of 11

Signal word:
DANGER

Hazard statements:

- H222** Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H315 Causes skin irritation.
H318 Causes serious eye damage
H412 Harmful 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.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use
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.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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: Contains Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Name	Identifiers	[% weight]	Classification according to Regulation (EC) No 1278/2008 (CLP).
Isobutane	Index No: 601-004-00-0 EC No: 200-857-2 CAS No: 75-28-5 REACH Registration No:-	10-20	Flam. Gas.1 H220 Press Gas
Propane	Index No: 601-003-00-5 EC No: 200-827-9 CAS No: 74-98-6 REACH Registration No:-	10-20	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:-	10-20	Flam. Gas.1 H220 Press Gas
Propan-2-ol	Index No: 603-117-00-0 EC No: 200-661-7 CAS No: 67-63-0 REACH Registration No:-	5-10	Flam. Liq.2 H225 Eye Irrit.2 H319 STOT SE.3 H336

	MATERIAL SAFETY DATA SHEET According to article 31 and Annex II of the EU REACH Regulation	Revision: 11.08.2017
		Update date: -
	GRAFEN PROFESSIONAL SEAT CLEANER SPRAY	Version 1.0
		Page 3 of 11

Sodium dodecylbenzenesulfonate	Index No: --- EC No: 246-680-4 CAS No: 25155-30-0 REACH Registration No:-	1-5	Acute Tox.4 H302 Skin Irrit.2 H315 Eye Dam.1 H318
Nonylphenol Ethoxylate	Index No: --- EC No: 500-315-8 CAS No: 127087-87-0 REACH Registration No:-	1-5	Acute Tox.4 H302 Eye Dam.1 H318 Acute Tox.4 H332 Aquatic Chronic2 H411
Trisodium orthophosphate	Index No: -- EC No: 231-509-8 CAS No: 7601-54-9 REACH Registration No:-	1-5	Skin Irrit.2 H315 Eye Irrit.2 H319 STOT SE.3 H335

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 15 minutes and get medical attention.

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. 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

Inhalation:

Spray may cause respiratory tract irritation.

Skin:

Repeated exposure may cause skin dryness or cracking.

Eye:

Symptoms following overexposure may include the following: pain, burning, redness.

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

	MATERIAL SAFETY DATA SHEET According to article 31 and Annex II of the EU REACH Regulation	Revision: 11.08.2017
		Update date: -
	GRAFEN PROFESSIONAL SEAT CLEANER SPRAY	Version 1.0
		Page 4 of 11

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. Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with 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 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.


7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

International Limits Values:

	MATERIAL SAFETY DATA SHEET According to article 31 and Annex II of the EU REACH Regulation	Revision: 11.08.2017
		Update date: -
GRAFEN PROFESSIONAL SEAT CLEANER SPRAY		Version 1.0
		Page 5 of 11

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 -
Propan -2 -ol	67-63-0	Germany European Union	1000 -	400 -	500 -	200 -

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

Propan-2-ol

Route of exposure	WORKERS		CONSUMERS	
	Chronic effect local	Chronic effects systemic	Chronic effect local	Chronic effects systemic
Oral	No data available	No data available	No data available	26 mg/kg bw/day
Inhalation	No data available	500 mg/m ³	No data available	89 mg/m ³
Dermal	No data available	888 mg/kg bw/day	No data available	319 mg/kg bw/day

Sodium dodecylbenzenesulfonate

Route of exposure	WORKERS		CONSUMERS	
	Chronic effect local	Chronic effects systemic	Chronic effect local	Chronic effects systemic
Oral	No data available	No data available	No data available	13 mg/kg bw/day
Inhalation	52 mg/m ³	52 mg/m ³	26 mg/m ³	26 mg/m ³
Dermal	1.57 mg/cm ²	57.2 mg/kg bw/day	0.787 mg/cm ²	28.6 mg/kg bw/day


Trisodium orthophosphate

Route of exposure	WORKERS		CONSUMERS	
	Chronic effect local	Chronic effects systemic	Chronic effect local	Chronic effects systemic
Oral	low hazard (no threshold derived)	no hazard identified	No data available	No data available
Inhalation	low hazard (no threshold derived)	no hazard identified	no hazard identified	no hazard identified
Dermal	low hazard (no threshold derived)	no hazard identified	no hazard identified	no hazard identified

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

Propan- 2- ol

Environmental protection target	PNEC
Freshwater	140.9 mg/L
Freshwater sediments	552 mg/kg sediment dw
Marine water	140.9 mg/L

	MATERIAL SAFETY DATA SHEET According to article 31 and Annex II of the EU REACH Regulation	Revision: 11.08.2017
		Update date: -
	GRAFEN PROFESSIONAL SEAT CLEANER SPRAY	Version 1.0
		Page 6 of 11

Marine sediments	552 mg/kg sediment dw
Food chain	160 mg/kg food
Microorganisms in sewage treatment	No data available
Soil (agricultural)	28 mg/kg soil dw
Air	No data available

Sodium dodecylbenzenesulfonate

Environmental protection target	PNEC
Freshwater	0.693 mg/L
Freshwater sediments	27.5 mg/kg sediment dw
Marine water	1 mg/L
Marine sediments	2.75 mg/kg sediment dw
Food chain	20 mg/kg food
Microorganisms in sewage treatment	No data available
Soil (agricultural)	25 mg/kg soil dw
Air	10 mg/m ³

Trisodium orthophosphate

Environmental protection target	PNEC
Freshwater	0.05 mg/L
Freshwater sediments	No data available
Marine water	0.005 mg/L
Marine sediments	No data available
Food chain	No data available
Microorganisms in sewage treatment	No data available
Soil (agricultural)	No data available
Air	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

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:

Material: nitrile rubber

Minimum layer thickness: 0.3 mm

Break through time: ≥480 min

The selected protective gloves have to satisfy the specifications of Directive 89/686 / EEC and EN 374.


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 recommended to use respiratory equipment with filter A.

Environmental exposure controls

Local guidelines on emission limits for volatile substances must be observed for the discharge of exhaust

	MATERIAL SAFETY DATA SHEET According to article 31 and Annex II of the EU REACH Regulation	Revision: 11.08.2017
		Update date: -
	GRAFEN PROFESSIONAL SEAT CLEANER SPRAY	Version 1.0
		Page 7 of 11

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 explode at temperatures above 50°C.

10.5 Incompatible materials

	MATERIAL SAFETY DATA SHEET According to article 31 and Annex II of the EU REACH Regulation	Revision: 11.08.2017
		Update date: -
	GRAFEN PROFESSIONAL SEAT CLEANER SPRAY	Version 1.0
		Page 8 of 11

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

Propan- 2-ol

LD50 (rat, oral)	5.84 g/kg bw
LD50 (rabbit, dermal)	16.4 mL/kg bw
LC50 (rat, inhalation)	> 10 000 ppm exposition time:6h

Sodium dodecylbenzenesulfonate

LD50 (rat, oral)	650 mg/kg bw
LD50 (rat, dermal)	> 2 000 mg/kg bw
LC50 (rat, inhalation)	310 mg/m ³ air

Nonylphenol Ethoxylate

LD50 (rat, oral)	<5000 mg/kg bw
LD50 (dermal)	No data available
LC50 (inhalation)	No data available

Trisodium orthophosphate

LD50 (rat, oral)	> 2 000 mg/kg bw
LD50 (rabbit, dermal)	> 7 940 mg/kg bw
LC50 (rat, inhalation)	> 0.83 mg/L air

Skin corrosion/irritation

The mixture was classified as an irritant to the skin.

Serious eye damage/irritation

The mixture was classified as an causes serious eye damage.

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.

	MATERIAL SAFETY DATA SHEET According to article 31 and Annex II of the EU REACH Regulation	Revision: 11.08.2017
		Update date: -
GRAFEN PROFESSIONAL SEAT CLEANER SPRAY		Version 1.0
		Page 9 of 11

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 alga)	EC50	11.89 mg/L exposition time: 96h

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 alga)	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 alga)	EC50	16.47 mg/L exposition time: 96h

Propan-2-ol

Fish (Pimephales promelas)	LC50	10 000 mg/L exposition time: 96h
Aquatic invertebrates (Daphnia magna)	LC50	> 10 000 mg/L exposition time: 24h
Algae and bacteria (Scenedesmus quadricauda)	TGK	1 800 mg/L exposition time: 8d

Sodium dodecylbenzenesulfonate

Fish (Phoxinus phoxinus)	LC50	4.5 - 6.4 mg/L exposition time: 24h
Aquatic invertebrates (Daphnia magna)	LC50	6.3 mg/L exposition time: 48h
Algae and bacteria (Pseudokirchneriella subcapitata)	EC50	29 mg/L exposition time: 96h

Nonylphenol Ethoxylate

Fish (Lepomis macrochirus)	LC50	>10 mg/L exposition time: 96h
Aquatic invertebrates (Daphnia magna)	LC50	14 mg/L exposition time: 48h
Algae and bacteria (Scenedesmus quadricauda)	EC50	17mg/L exposition time: 48h

12.2 Persistence and degradability

The surfactants contained in this product complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

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.

	MATERIAL SAFETY DATA SHEET According to article 31 and Annex II of the EU REACH Regulation	Revision: 11.08.2017
		Update date: -
	GRAFEN PROFESSIONAL SEAT CLEANER SPRAY	Version 1.0
		Page 10 of 11

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

07 01 04* other organic solvents, washing liquids and mother liquors

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	YES	YES	YES
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

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

Eye Dam.1 H318

	MATERIAL SAFETY DATA SHEET According to article 31 and Annex II of the EU REACH Regulation	Revision: 11.08.2017
		Update date: -
	GRAFEN PROFESSIONAL SEAT CLEANER SPRAY	Version 1.0
		Page 11 of 11

Aquatic Chronic 3 H412

Relevant H-statements (number and full text)

H220 Extremely flammable gas.
 H225 Highly flammable liquid and vapour.
 H302 Harmful if swallowed
 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
 H411 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.