

According to article 31 and Annex II of the EU REACH Regulation Revision: 02.02.2017

Update date: -

Version 1.0

GRAFEN PROFESSIONAL TYRE SHINER SPRAY

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SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1 Product identifier

Grafen Professional Tyre Shiner Spray

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

<u>Relevant identified uses:</u> A product for polishing tires. Uses advised against: No further relevant information available.

1.3 Details of the supplier of the safety data sheet:

Supplier: Street address: Country/Postcode: Telephone number:

Madejski Sp. J. ul. Makuszyńskiego 28 Poland, 31-752 Kraków +48 (12) 643 67 67

info@madejski.com.pl

E-mail:

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	Flam. Aerosol 2 H223, H229		
Human	Asp. Tox.1 H304 Skin Irrit.2 H315 STOT SE.3 H336 Repr.2 H361 STOT RE.2 H373		
Environment	Aquatic Chronic 2 H411		

2.2 Label elements

Contains Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, Hydrocarbons C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich.

Supplemental information on the label:

Not applicable

Hazard pictograms:





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Signal word: DANGER

Hazard statements:

H223 Flammable aerosol.

H229 Pressurised container: May burst if heated.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic 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.

P251 Do not pierce or burn, even after use.

P263 Avoid contact during pregnancy/while nursing.

P264 Wash hands thoroughly after handling.

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

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352 IF ON SKIN: Wash with plenty of water with soap.

P331 Do NOT induce vomiting.

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.

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 carbon dioxide.

Name	Identifiers	[% weight]	Classification according to Regulation (EC) No 1278/2008 (CLP).
Hydrocarbons C6, n-alkanes, Iso-alkanes, cyclics, n-hexane rich	Index No: EC No: 925-292-5 CAS No: REACH Registration No: 01-2119474209-33- 0002	75-85	Flam. Liq.2 H225 Asp. Tox.1 H304 Skin Irrit.2 H315 STOT SE.3 H336 Repr.2 H361 STOT RE.2 H373 Aquatic Chronic2 H411 Note P
Hydrocarbons, C9-C11, n- alkanes, isoalkanes, cyclics, < 2% aromatics	Index No: EC No: 919-857-5 CAS No: REACH Registration No: 01-2119463258-33-0003	5-10	Flam. Liq.3 H226 Asp. Tox.1 H304 STOT SE.3 H336 Note P EUH066

Note P- 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 benzene (EINECS No 200-753-7).

Hydrocarbons, C6, n-alkanes, isoalkanes, cyclics, n-hexane rich (100%) is a UVCB substance and includes:



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Name	Identifiers	[% weight]	Classification according to Regulation (EC) No 1278/2008 (CLP).
n-hexane	Index No: 601-037-00-0 EC No: 203-777-6 CAS No: 110-54-3 REACH Registration No.:-	<55%	Flam. Liq.2 H225 Asp. Tox.1 H304 Skin Irrit.2 H315 STOT SE.3 H336 Repr.2 H361f STOT RE.2 H373 Aguatic Chronic2 H411

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

Respiratory system:

A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo.

<u>Skin:</u>

May cause skin sensitisation or allergic reactions in sensitive individuals. Redness. Irritating to skin. Eye:

Eye irritation signs and symptoms may include a burning sensation, 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

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



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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.

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:

Use only in a well-ventilated area. Avoid breathing vapor 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 smoke! When using do not eat or drink.

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 away from heat, sparks, sunlight, open flame and smoking. Keep containers upright. Do not store together with oxidizing agents, acids, alkalis.

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]
n-hexane	110-54-3	Germany	1440	400	72	20
		European	80	50	-	-



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		Union				
Carbon dioxide	124-38-9	Germany European Union	18200 -	10000 -	9100 9000	5000 5000

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

n-hexane

	WORKERS		CONSUMERS	
Route of	Acute effect local Acute effects systemic		Acute effect local Acute effects sy	
exposure				
Oral	No data available	No data available	No data available	4 mg/kg bw/day
Inhalation	No data available	75 mg/m ³	No data available	16 mg/m ³
Dermal	No data available	11 mg/kg bw/day	No data available	5.3 mg/kg bw/day

Hydrocarbons C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich

_	WORKERS		CONSUMERS	
Route of	Acute effect local Acute effects systemic		Acute effect local	Acute effects systemic
exposure				
Oral	No data available	No data available	No data available	6 mg/kg bw/day
Inhalation	No data available	93 mg/m³	No data available	20 mg/m ³
Dermal	No data available	13 mg/kg bw/day	No data available	7 mg/kg bw/day

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

	WORKERS		CONSUMERS	
Route of	Acute effect local Acute effects systemic		Acute effect local Acute effects sys	
exposure				
Oral	No data available	No data available	No data available	300 mg/kg bw/day
Inhalation	No data available	1 500 mg/m³	No data available	900 mg/m³
Dermal	No data available	300 mg/kg bw/day	No data available	300 mg/kg bw/day

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

Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich No data available

n-hexane No data available

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

Skin protection:



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<u>Hand protection</u>: Wear protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

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

Respiratory protection: Respiratory protection must be used if air contamination exceeds acceptable level. It is recommended to use respiratory equipment with filter.

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
рН	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
0.2 Other information:	

9.2 Other information:

No data available

SECTION 10: Stability and Reactivity

10.1 Reactivity

Not reactive under normal conditions of storage and use. Containers may explode at temperatures above 50° C.

10.2 Chemical stability

Stable under recommended storage conditions.



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10.3 Possibility of hazardous reactions

Reacts with oxidants, acids and bases.

10.4 Conditions to avoid

Avoid release to the environment. Avoid heat, flames and other 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

Hydrocarbons C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich

LD50 (rat, oral)	> 25 mL/kg bw
LC50 (rat, inhalation)	73 860 ppm
LD50 (rabbit, dermal)	> 5 mL/kg bw
n- hexane	-
LD50 (rat, oral)	43.5 mL/kg bw
LC50 (rat, inhalation)	> 31.86 mg/L air
LD50 (rabbit, dermal)	> 2 000 mg/kg bw
Hydrocarbons, C9-C11, n-alkanes,	isoalkanes, cyclics, < 2% aromatics
LD50 (rat, oral)	> 10ml/kg
LC50 (rat, inhalation)	>9300 mg/m ³

Skin corrosion/irritation

LD50 (rabbit, dermal)

The mixture was classified as an irritant to the skin.

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

The mixture was classified as an suspected of damaging fertility or the unborn child.

STOT-single exposure

The mixture was classified as an STOT single exposure - may cause drowsiness or dizziness.

>= 3 160 mg/kg bw

STOT-repeated exposure

The mixture was classified as an STOT repeated exposure - May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

The mixture was classified as an aspiration hazard - May be fatal if swallowed and enters airways.

Additional information

No further relevant information available.

SECTION 12: Ecological information

12.1 Toxicity

No data available for the mixture.

Hydrocarbons C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich



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Fish (Oncorhynchus mykiss) Aquatic invertebrates (Daphnia magna) Algae and bacteria (Chlorella pyrenoidosa) n-hexane	LL50 LC50 EC50	 > 13.3 mg/L exposition time: 96h 45 mmol/m³ exposition time: 48h 2.66 % v/v exposition time: 10d
Fish (Oncorhynchus mykiss) Aquatic invertebrates (Daphnia magna) Algae and bacteria (Pseudokirchneriella subcapitata)	LL50 LC50 EC50	13.37 mg/L exposition time: 96h 31.9 mg/L exposition time: 48h 9.947 mg/L exposition time: 72h
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics	, < 2% a i	romatics
Fish (Oncorhynchus mykis) Aquatic invertebrates (Daphnia magna) Algae and bacteria (Pseudokirchneriella subcapitata)	LL50 EL50 EL50	 > 1 000 mg/L exposition time: 96h > 1 000 mg/L exposition time: 48h > 1 000 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.

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

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

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

SECTION 14: Transport Information

	ADR/RID	IMDG	ΙΑΤΑ
14.1. UN number	UN1950	UN1950	UN1950
14.2. UN proper shipping name	Aerosol, flame	Aerosol, flame	Aerosol, flame
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	Not applicable	Not applicable	Not applicable
14.7. Transport in bulk according to Annex II of Marpol and the IBC	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

Flam. Aerosol 2 H223, H229

Asp. Tox.1 H304 Skin Irrit.2 H315 STOT SE.3 H336 Rep.2 H361 STOT RE.2 H373 Aquatic Chronic 2 H411

Relevant H-statements (number and full text)

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H361 May damage fertility or the unborn child

H361f Suspected of damaging fertility.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

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.