

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1. **Product identifier:**
A.Z. Meisterteile cockpit shine
- 1.2. **Relevant identified uses of the mixture and uses advised against:**
Maintenance product. For industrial, consumer and professional use.
Uses advised against: Uses other than the recommended uses.
- 1.3. **Details of the supplier of the safety data sheet:**
Information about the distributor:
Unix Autó Kft.
1139 Budapest, Frangepán utca 55-57.
Tel.: 00 36 1 270 8700
- 1.3.1. Responsible person: -
E-mail: info@unixauto.hu
- 1.4. **Emergency telephone number:** Please fill in!

SECTION 2: HAZARDS IDENTIFICATION

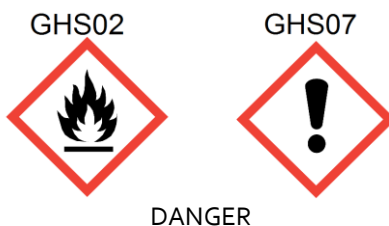
- 2.1. **Classification of the mixture:**
Classification according to Regulation (EC) No 1272/2008 (CLP):
Aerosols, Hazard Category 1 – H222; H229
Skin corrosion/irritation, Hazard Category 2 – H315
Specific target organ toxicity – Single exposure, Hazard Category 3, Narcosis – H336
Hazardous to the aquatic environment – Chronic Hazard, Category 3 – H412

Hazard statements:

H222 – Extremely flammable aerosol.
H229 – Pressurised container: May burst if heated.
H315 – Causes skin irritation.
H336 – May cause drowsiness or dizziness.
H412 – Harmful to aquatic life with long lasting effects.

- 2.2. **Label elements:**

Components that define the hazards: Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics



Hazard statements:

H222 – Extremely flammable aerosol.
H229 – Pressurised container: May burst if heated.
H315 – Causes skin irritation.
H336 – May cause drowsiness or dizziness.
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.
P243 – Take action to prevent static discharges.
P251 – Do not pierce or burn, even after use.
P261 – Avoid breathing spray.
P271 – Use only outdoors or in a well-ventilated area.
P273 – Avoid release to the environment.
P303 + P361 + P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
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.
P410 + P412 – Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
P501 – Dispose of contents/container as hazardous waste, in accordance with local/national/international regulations.

2.3. Other hazards:

Data about Solane 80-110:

Product vapours are heavier than air and may spread along the floor. Vapours may form explosive gas/air mixtures.
 The material may be charged electrostatically, therefore it can be an electric ignition source.
 Do not let the product into the environment.
 The product does not contain PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances:

Not applicable.

3.2. Mixtures:

Description	CAS number	EC number / ECHA list number	REACH registration number	Conc. (%)	Classification according to Regulation (EC) No 1272/2008 (CLP)		
					Pictogram, signal word code(s)	Hazard class and category code(s)	Hazard statement code(s)
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (Solane 80-110) (< 0.1 % benzene) Index number: 649-328-00-1 Note P	64742-49-0	927-510-4	01-2119475515-33	10-<20	GHS02 GHS08 GHS07 GHS09 Danger	Flam. Liq. 2 Asp. Tox. 1 Skin Irrit. 2 STOT SE 3 Aquatic Chronic 2	H225 H304 H315 H336 H411
Aroma (contains 0.2 % n-hexane)* Index number: 601-037-00-0	110-54-3	203-777-6	-	< 0.001	GHS02 GHS08 GHS07 GHS09 Danger	Flam. Liq. 2 Repr. 2 Asp. Tox. 1 STOT RE 2 Skin Irrit. 2 STOT SE 3 Aquatic Chronic 2	H225 H361f H304 H373 H315 H336 H411

Propane Index number: 601-003-00-5	74-98-6	200-827-9	01- 2119486944-21	70-80	GHS02 GHS04 Danger	Flam. Gas 1 Press. Gas	H220 H280
Butane* Index number: 601-004-00-0	106-97-8	203-448-7	01- 2119474691-32		GHS02 GHS04 Danger	Flam. Gas 1 Press. Gas	H220 H280
Isobutane (< 0.1 % 1,3-butadiene (EC: 203-450-8)) Index number: 601-004-00-0	75-28-5	200-857-2	01- 2119485395-27		GHS02 GHS04 Danger	Flam. Gas 1 Press. Gas	H220 H280
Poly(dimethyl) siloxane**	polymer	polymer	-	5-10	-	not classified	-

*: Substance having occupational exposure limit value.

** : Classification specified by the manufacturer; the substance is not listed in Annex VI of the Regulation (EC) No 1272/2008.

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).

Specific concentration limits:

n-Hexane (CAS: 110-54-3):

STOT RE 2; H373: C ≥ 5 %

For the full text of hazard statements, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures:

INGESTION:

Measures:

- Not a likely route of exposure (aerosol product).
- If aerosol gets accidentally in the mouth or is ingested, it is prohibited to induce vomiting.
- Obtain medical attention immediately.

INHALATION:

Measures:

- Take the victim into fresh air and provide rest.
- In case of respiratory irritation (coughing) or breathing difficulties, immediately call for a physician.

SKIN CONTACT:

Measures:

- Remove the contaminated, impregnated clothes immediately.
- Wash affected skin surface with lukewarm water and soap.
- Obtain medical attention if complaints occur.

EYE CONTACT:

Measures:

- Rinse eye thoroughly with plenty of running water, and continue to rinse for at least 15 minutes (keep eyelids apart).
- Remove contact lenses if present, and if it is easy to do.
- Obtain medical attention if irritation occurs.

4.2. Most important symptoms and effects, both acute and delayed:

Data about Solane 80-110:

Ingestion: In case of accidental ingestion the product may reach the lungs due to its low viscosity and may cause a rapid, very severe lung damage (48-hour medical observation is necessary). Ingestion may cause gastro-intestinal irritation.

Inhalation: Vapours inhaled in high concentrations may have narcotic effects on the central nervous system. May cause nausea and loss of consciousness. Inhalation of vapours or sprays may cause irritation of the respiratory tract and the mucous membranes.

Skin contact: Causes skin irritation.

Eye contact: May cause eye irritation.

Data about the propellant:

In higher concentration the propellant may cause asphyxia and can be of fatal consequences.

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

Show this safety data sheet or the product's label to the physician. No special antidote.

SECTION 5: FIREFIGHTING MEASURES

5.1. **Extinguishing media:**

5.1.1. **Suitable extinguishing media:**

Extinguishing powder, alcohol-resistant foam, water spray.

5.1.2. **Unsuitable extinguishing media:**

Strong water jet.

5.2. **Special hazards arising from the substance or mixture:**

Extremely flammable aerosol.

Pressurised container: May burst if heated.

Gas may form explosive mixture with air.

The heat of fire may cause a rapid increase of pressure inside the aerosol cans, which may explode.

In case of fire, smoke and other combustion products (carbon monoxide, carbon dioxide, hydrocarbons, aldehydes, soot) may be formed; the inhalation of such combustion products can have serious adverse effects on health.

Data about Poly(dimethyl)siloxane polymer:

Hazardous combustion products: Carbon oxides, silicon oxides, incompletely burned hydrocarbons, toxic and very toxic flue gasses.

5.3. **Advice for firefighters:**

Evacuate the surroundings.

Extinguish from a safe distance or a protected location.

Avoid breathing hazardous vapours and toxic decomposition products.

The best method for extinguishing fires of flammable vapours is to stop gas escape before starting to extinguish. Release of larger quantities is not likely (aerosol can).

Remove personnel and substances that haven't caught on fire to safety.

Wear full protective clothing and self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. **Personal precautions, protective equipment and emergency procedures:**

6.1.1. **For non-emergency personnel:**

Allow only well-trained experts wearing suitable protective clothing to abide in the field of accident.

6.1.2. **For emergency responders:**

Remove unauthorized persons.

Remove all sources of ignition.

Provide adequate ventilation.

Avoid contact with skin and eyes.

Do not breathe the vapour/spray of the product.

Wear full protective clothing and self-contained breathing apparatus.

Warning! Product may present an explosion hazard if it reaches the sewage system.

Data about Poly(dimethyl)siloxane polymer:

May be slippery.

6.2. **Environmental precautions:**

Dispose of the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately. Product may present an explosion hazard if it reaches the sewage system. Release of larger quantities is not likely (aerosol can).

6.3. **Methods and material for containment and cleaning up:**

Remove all sources of ignition.

Collect spilled material with non-combustible absorbent material (e.g. dry earth, sand, vermiculite etc.) and dispose of according to relevant regulations.

Stop leakage if this can be done without risk.

Control the concentration of gases with the help of water spray.

Close down the area until gases are dispersed.

Use only non-sparking tools.

6.4. **Reference to other sections:**

For further and detailed information see Sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling:

Observe conventional hygiene precautions.

Avoid breathing spray of the product, its contact with skin and eyes as well as its ingestion.

Data about Poly(dimethyl)siloxane polymer:

May be slippery.

Technical measures:

Use only in a well-ventilated place.

Use appropriate personal protection.

Precautions against fire and explosion:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Observe precautions regarding pressurized containers.

Extremely flammable aerosol.

Pressurized container: May burst if heated.

Do not expose to temperatures exceeding 50 °C.

Do not expose to sunlight or radiant heat. Do not pierce or burn, even after use.

Do not spray on naked flames or any incandescent materials.

It is prohibited to refill the container.

7.2. Conditions for safe storage, including any incompatibilities:

Technical measures and storage condition:

Provide adequate ventilation.

Take measures to prevent electrostatic charges.

Store in a dry and cool place, at temperatures below 35 °C.

Keep out of the reach of children.

Store separated from food.

Do not use towels which have previously been used to clean-up. Do not put the contaminated rags into your pocket.

Do not store together with strong acids and oxidizing agents.

Incompatible materials: See Section 10.5

Packaging material: No special prescriptions.

7.3. Specific end use(s):

See Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Occupational exposure limit values (United Kingdom, EH40/2005 (Fourth Edition 2020)):

n-Hexane (CAS: 110-54-3):

Long-term exposure limit (8-hr TWA reference period): 20 ppm; 72 mg/m³

Butane (CAS: 106-97-8):

Long-term exposure limit (8-hr TWA reference period): 600 ppm; 1450 mg/m³

Short-term exposure limit (15-minute reference period): 750 ppm; 1810 mg/m³

Data about Solane 80-110:

DNEL values		Oral exposure		Dermal exposure		Inhalative exposure	
		Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)
Consumer	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	149 mg/kg/d	no data	149 mg/kg/d	no data	447 mg/m ³
Worker	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	300 mg/kg/d	no data	2085 mg/m ³

PNEC values		
Compartment	Value	Note(s)
Freshwater	no data	no notes
Marine water	no data	no notes
Freshwater sediment	no data	no notes
Marine water sediment	no data	no notes
Sewage Treatment Plant (STP)	no data	no notes
Intermittent release	no data	no notes
Secondary poisoning	no data	no notes
Soil	no data	no notes

8.2. Exposure controls:

In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.

8.2.1. Appropriate engineering controls:

In pursuance of work is proper foresight needed to avoid spilling onto clothes and floors and to avoid contact with eyes and skin. Use the product with adequate ventilation.

8.2.2. Individual protection measures, such as personal protective equipment:

Keep away from food, beverages and animal feed.

Wash hands before breaks and at the end of work.

The information regarding personal protective equipment is only for informative purposes. A complete risk assessment is required before the use of the product for the determination of the appropriate personal protective equipment, taking local circumstances into account.

- Eye/face protection:** If the risk of eye contact occurs, use appropriate protective glasses with side shields or face protection (EN 166).
- Skin protection:**
 - Hand protection:** Use appropriate protective gloves (EN 374).
Suitable material: Nitrile rubber, viton, PVA
Breakthrough time: > 480 minutes
 - Other:** If the risk of direct contact or splashing occurs, use appropriate protective clothing.
- Respiratory protection:** Use appropriate respiratory protective device with filter type "A" in case of vapour formation. If vapours or spray mists are formed, use gas mask equipped with "A/P2" filter.
- Thermal hazards:** No thermal hazards known.

8.2.3. Environmental exposure controls:

Prevent the product and its waste from entering bodies of water, soil or the sewage system.

Observe local and national regulations concerning sewage treatment.

The requirements detailed in Section 8 assume skilled work under normal conditions and usage of the product for appropriate aims. If conditions differ from normal or work is carried out under extreme conditions, an expert's advice is necessary before deciding upon further protective measures.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Parameter	Value / Test method / Remarks
1. Appearance:	colourless aerosol
2. Odour:	odour like mineral oil
3. Odour threshold:	no data*
4. pH:	not applicable ca. 7 (poly(dimethyl)siloxane polymer)
5. Melting point/freezing point:	-187.6 – -138.3 °C (propellant) -50 – -35 °C (poly(dimethyl)siloxane polymer)
6. Initial boiling point and boiling range:	83-108 °C (Solane 80-110) -104 – -60 °C (propellant)
7. Flash point:	-16 °C (Solane 80-110) 260 °C (ISO 2719, > 300 °C (ISO 2592) (poly(dimethyl)siloxane polymer)

8. Evaporation rate:	no data*
9. Flammability (solid, gas):	extremely flammable aerosol
10. Upper/lower flammability or explosive limits:	0.8-8 vol. % (Solane 80-110)
11. Vapour pressure:	< 70 hPa (20 °C, Solane 80-110) ≤ 1600 kPa (70 °C, propellant)
12. Vapour density:	no data*
13. Relative density:	no data*
14. Solubility(ies):	not applicable 24.4-60.4 mg/l (propellant)
15. Partition coefficient: n-octanol/water:	no data*
16. Auto-ignition temperature:	> 230 °C (Solane 80-110, ASTM E 659) 287-537 °C (propellant) 410 °C (poly(dimethyl)siloxane polymer)
17. Decomposition temperature:	> 250 °C (poly(dimethyl)siloxane polymer)
18. Viscosity:	kinematic: 0.56 (25 °C, poly(dimethyl)siloxane polymer, ASTM D 445)
19. Explosive properties:	see other information below 5-15 vol. % (propellant, literature data)
20. Oxidizing properties:	no data*

9.2. **Other information:**

Density: ≥ 0.505 g/cm³ (50 °C, propellant)

695 kg/m³ (15 °C, Solane 80-110, ISO 12185)

ca. 0.97 g/cm³ (25 °C, poly(dimethyl)siloxane polymer, DIN 51757)

*: The manufacturer did not carry out any tests on this parameter for the product or the results of the tests are not available at the time of publication of the data sheet.

SECTION 10: STABILITY AND REACTIVITY

10.1. **Reactivity:**

No reactivity known.

10.2. **Chemical stability:**

Stable under normal conditions.

10.3. **Possibility of hazardous reactions:**

Product vapours may form explosive mixture with air which is heavier than air.

Data about the propellant:

Contact with strong oxidizing agents (peroxides, chromates etc.) may cause fire hazard.

10.4. **Conditions to avoid:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Pressurized container. Do not open, crash or pierce. Do not expose to temperatures exceeding 50 °C. Do not expose to sunlight or radiant heat. Do not pierce or burn, even after use. Do not spray in naked flames or on any incandescent materials. It is prohibited to refill the container.

10.5. **Incompatible materials:**

Strong bases, strong acids, oxidizing agents.

Data about the propellant:

May form explosive mixture with nitrates and other oxidizing agents (e.g. chlorates, perchlorates, liquid oxygen).

10.6. **Hazardous decomposition products:**

In case of fire toxic gases may be formed (carbon monoxide, carbon dioxide, hydrocarbons, aldehydes, soot).

Data about Poly(dimethyl)siloxane polymer:

According to measuring, from ca. 150 °C small amount of formaldehyde is formed through oxidative decomposition.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

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

Skin corrosion/irritation: Causes skin irritation.

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: 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.

11.1.1. Summaries of the information derived from the test conducted:

No data available.

11.1.2. Relevant toxicological properties:

Acute toxicity:

No toxicological data is available regarding the mixture.

Data about the ingredients:

Data about Solane 80-110:

LD₅₀ (oral, rat): > 5840 mg/kg

LD₅₀ (dermal, rat): > 2920 mg/kg/24h

LC₅₀ (inhalation, vapour, rat): 23300 mg/m³ (OECD 403)

Data about the propellant:

Propane:

Inhalation (rat): 1443 mg/l (literature data)

Butane:

Inhalation (rat): 658 mg/l (literature data)

Isobutane:

Inhalation (mouse): 974 mg/l (literature data)

Data about Poly(dimethyl) siloxane polymer:

LD₅₀ (oral, rat): > 5000 mg/kg

LD₅₀ (dermal, rat): > 2008 mg/kg

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

May cause transient irritation.

Respiratory or skin sensitisation:

Not classified.

In case of inhalation: Vapours inhaled in high concentration have a narcotic effect on the central nervous system. Symptoms include nausea, loss of consciousness.

Inhalation of vapours or aerosols may cause irritation of the airways and mucous membranes.

Germ cell mutagenicity:

Mutagenicity of the product has been investigated in in vivo and in vitro studies.

Genetic toxicity: Negative.

Carcinogenicity:

Data about the ingredients:

Data about Poly(dimethyl) siloxane polymer:

NOAEL (oral (feed), rat (F344)): ≥ 1000 mg/kg

Reproductive toxicity:

Data about the ingredients:

Data about Poly(dimethyl) siloxane polymer:

NOAEL (oral (stomach tube), rabbit (6-19 days of gestation)): ≥ 1000 mg/kg

STOT-single exposure:

May cause drowsiness and dizziness.

STOT-repeated exposure:

Data about the ingredients:

Data about Poly(dimethyl) siloxane polymer:

NOAEL (oral (feed), rat): ≥ 1000 mg/kg

Aspiration hazard:

Ingestion is not likely.

11.1.3. Information on likely routes of exposure:

Inhalation, skin contact, eye contact.

11.1.4. Symptoms related to the physical, chemical and toxicological characteristics:

Data about Solane 80-110:

Ingestion: In case of accidental ingestion the product may reach the lungs due to its low viscosity and may cause a rapid, very severe lung damage (48-hour medical observation is necessary). Ingestion may cause gastro-intestinal irritation.

Inhalation: Vapours inhaled in high concentrations may have narcotic effects on the central nervous system. May cause nausea and loss of consciousness. Inhalation of vapours or sprays may cause irritation of the respiratory tract and the mucous membranes.

Skin contact: Causes skin irritation.

Eye contact: May cause eye irritation.

Data about the propellant:

In higher concentration the propellant may cause asphyxia and can be of fatal consequences.

11.1.5. Delayed and immediate effects as well as chronic effects from short and long-term exposure:

Causes skin irritation.

May cause drowsiness or dizziness.

11.1.6. Interactive effects:

No data available.

11.1.7. Absence of specific data:

No information.

11.1.8. Other information:

No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

Harmful to aquatic life with long lasting effects.

Do not let the product into bodies of water, the sewage system or the soil.

Data about the ingredients:

Data about Solane 80-110:

Acute toxicity:

ErC₅₀ (Pseuokirchneriella subcapitata): 10-30 mg/l/72h (OECD 201)

EbC₅₀ (Pseuokirchneriella subcapitata): 10-30 mg/l/72h (OECD 201)

EC₅₀ (Daphnia magna): 3 mg/l/48h (OECD 202)

LC₅₀ (Oncorhynchus mykiss): > 13.4 mg/l/96h (OECD 203)

Chronic toxicity:

NOErC (Daphnia magna): 1 mg/l/21d (OECD 211)

NOErC (Oncorhynchus mykiss): 1.53 mg/l/28d (QSAR)

NOECR (Pseuokirchneriella subcapitata): 6.3 mg/l/72h (OECD 201)

Data about the propellant:

Propane:

LC₅₀ (fish): 49.47 mg/l (literature data)

LC₅₀ (other aquatic organisms): 27.14 mg/l (literature data)

EC₅₀ (algae): 11.89 mg/l/72h (literature data)

Butane:

LC₅₀ (fish): 24.11 mg/l (literature data)

LC₅₀ (other aquatic organisms): 14.22 mg/l (literature data)

EC₅₀ (algae): 7.71 mg/l/96h (literature data)

Isobutane:

LC₅₀ (fish): 27.89 mg/l (literature data)

LC₅₀ (other aquatic organisms): 16.33 mg/l (literature data)

EC₅₀ (algae): 89.57 mg/l/96h (literature data)

Data about Poly(dimethyl) siloxane polymer:

EC₅₀ (Daphnia magna): > 0.0002 mg/l/72h

IC₅₀ (Skeletonema costatum): > 100000 mg/l/72h

NOEC (Oncorhynchus mykiss): > 10000 mg/kg/28d

NOEC (Daphnia magna): > 500 mg/kg/21d

12.2. Persistence and degradability:

No data available about the product.

Data about the ingredients:

Data about Solane 80-110:

98 % / 28 days (OECD 301 F)

Data about Poly(dimethyl) siloxane polymer:

The silicone part is not easily biodegradable. Removal through adsorption of the activated sludge. Poly(dimethyl) siloxane is significantly degradable through abiotic processes.

12.3. Bioaccumulation potential:

No data available about the product.

Data about the ingredients:

Data about Solane 80-110:

No data; UVCB substance.

Data about the propellant:

Propane:

log Kow: 1.09-2.8 (literature data)

Butane:

log Kow: 1.09-2.8 (literature data)

Isobutane:

log Kow: 1.09-2.8 (literature data)

12.4. Mobility in soil:

No data available about the product.

Data about the ingredients:

Data about Solane 80-110:

Insoluble in water.

Data about Poly(dimethyl) siloxane polymer:

Absorbs in the soil.

12.5. Results of PBT and vPvB assessment:

The product does not contain PBT or vPvB substances.

12.6. Other adverse effects:

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Disposal according to the local regulations.

13.1.1. Information regarding the disposal of the product:

Dispose of in accordance with applicable regulations.

List of Waste Code:

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

*: Hazardous waste.

13.1.2. Information regarding the disposal of the packaging:

Dispose of in accordance with applicable regulations.

13.1.3. Physical/chemical properties that may affect waste treatment options shall be specified:

No data available.

13.1.4. Sewage disposal:

No data available.

13.1.5. Special precautions for any recommended waste treatment:

No data available.

SECTION 14: TRANSPORT INFORMATION

14.1. UN Number:

ADR/RID: UN 1950

14.2. UN proper shipping name:

ADR/RID: AEROSOLS, flammable

14.3. Transport hazard class(es):

Class: 2

Classification code: 5F

Label: 2.1

Tunnel restriction code: (B/D)

Limited quantities (LQ): 2

14.4. Packing group:

No packing group.

14.5. Environmental hazards:

Harmful to aquatic life with long lasting effects.

14.6. Special precautions for user:

No relevant information.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

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), establishing a European Chemicals Agency, amending Directive (EC) No 1999/45 and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive (EEC) No 76/769 and Commission Directives (EEC) No 91/155, (EEC) No 93/67, (EC) No 93/105 and (EC) No 2000/21

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 (EEC) No 67/548 and (EC) No 1999/45, and amending Regulation (EC) No 1907/2006

COMMISSION REGULATION (EU) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

COMMISSION DIRECTIVE (EU) No 2013/10 of 19 March 2013 amending Council Directive (EEC) No 75/324 on the approximation of the laws of the Member States relating to aerosol dispensers

15.2. Chemical safety assessment: The distributor has not performed a chemical safety assessment.

SECTION 16: OTHER INFORMATION

Information regarding the revision of the safety data sheet: No information.

Literature references / data sources:

Safety data sheet issued by the manufacturer (07. 05. 2020, version 1/HU).

Methods used for the classification according to Regulation (EC) No 1272/2008:

Classification	Method
Aerosols, Hazard Category 1 – H222; H229	Based on test methods (test data)
Skin corrosion/irritation, Hazard Category 2 – H315	Based on calculation method
Specific target organ toxicity – Single exposure, Hazard Category 3, Narcosis – H336	Based on calculation method
Hazardous to the aquatic environment – Chronic Hazard, Category 3 – H412	Based on calculation method

Relevant hazard statements (code and full text) of Sections 2 and 3:

H220 – Extremely flammable gas.

H222 – Extremely flammable aerosol.

H225 – Highly flammable liquid and vapour.

H229 – Pressurised container: May burst if heated.

H280 – Contains gas under pressure; may explode if heated.

H304 – May be fatal if swallowed and enters airways.

H315 – Causes skin irritation.

H336 – May cause drowsiness or dizziness.

H361f – Suspected of damaging fertility.

H373 – May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H411 – Toxic to aquatic life with long lasting effects.

H412 – Harmful to aquatic life with long lasting effects.

Training advice: No data available.

Full text of the abbreviations in the safety data sheet:

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE: Acute Toxicity Estimate.
AOX: Adsorbable organic halides.
BCF: Bioconcentration factor.
BOD: Biological Oxygen Demand.
CAS number: Chemical Abstract Service number.
CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
CMR effects: Carcinogenic, mutagenic, reprotoxic effects.
COD: Chemical Oxygen Demand.
CSA: Chemical Safety Assessment.
CSR: Chemical Safety Report.
DNEL: Derived-No-Effect-Level.
ECHA: European Chemical Agency.
EC: European Community.
EC number: EINECS and ELINCS numbers (see also EINECS and ELINCS).
EEC: European Economic Community.
EEA: European Economic Area (EU + Iceland, Liechtenstein and Norway).
EINECS: European Inventory of Existing Commercial Chemical Substances.
ELINCS: European List of Notified Chemical Substances.
EN: European Norm.
EU: European Union.
EWC: European Waste Catalogue (replaced by LoW – see below).
GHS: Globally Harmonized System of Classification and Labelling of Chemicals.
IATA: International Air Transport Association.
ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
IMDG: International Maritime Dangerous Goods.
IMSBC: International Maritime Solid Bulk Cargoes.
IUCLID: International Uniform Chemical Information Database.
IUPAC: International Union of Pure and Applied Chemistry.
Kow: n-Octanol - Water Partition Coefficient.
LC50: Lethal concentration resulting in 50 % mortality.
LD50: Lethal dose resulting in 50 % mortality (median lethal dose).
LoW: List of Waste.
LOEC: Lowest Observed Effect Concentration.
LOEL: Lowest Observed Effect Level.
NOEC: No Observed Effect Concentration.
NOEL: No Observed Effect Level.
NOAEC: No Observed Adverse Effect Concentration.
NOAEL: No Observed Adverse Effect Level.
OECD: Organization for Economic Cooperation and Development.
OSHA: Occupational Safety and Health Administration.
PBT: Persistent, Bioaccumulative and Toxic.
PNEC: Predicted No Effect Concentration.
QSAR: Quantitative Structure Activity Relationship.
REACH: Regulation 1907/2006/EC concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.
RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.
SCBA: Self Contained Breathing Apparatus.
SDS: Safety Data Sheet.
STOT: Specific Target Organ Toxicity.
SVHC: Substances of Very High Concern.
UN: United Nations.
UVCB: Chemical Substances of Unknown or Variable Composition, Complex Reaction Products and Biological Materials.
VOC: Volatile Organic Compound.
vPvB: very Persistent and very Bioaccumulative.

This safety data sheet had been prepared on the basis of information provided by the manufacturer/supplier and conform to the relevant regulations.

The information, data and recommendations contained herein are provided in good faith, obtained from reliable sources and believed to be true and accurate as of the date issued; however, no representation is made as to the comprehensiveness of the information.

The SDS shall be used only as a guide for handling the product; in the course of handling and using the product other considerations may arise or be required.

Users are cautioned to determine the appropriateness and applicability of the above information to their particular circumstances and purposes and assume all risk associated with the use of this product.

It is the responsibility of the user to fully comply with local, national and international regulations concerning the use of this product.