SAFETY DATA SHEET
IN ACCORDANCE WITH REGULATION (EC) 1907/2006 (REACH)
Cockpit spray

Preparing date: 04 November 2024 **Version: 1.**

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

1.1 Product identifier: Cockpit spray

UFI: KCNA-9FKW-7SKD-T3KC

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

Identified uses: Maintenance
for consumer, professional and industrial use.

Uses advised against: Other than above.

1.3 Details of the supplier of the safety dat

Distributor:
SZAKAL MET-AL Zrt
2040 Budaörs, Kamaraerdei u 9/C.
Tel.: +36 23 431-000
HUNGARY

Email address for a competent person responsible for the safety data sheet: kozpont@szakalmetal.hu

1.4 Emergency telephone number:
Health Toxicological Information Service, Hungary:
06-80-201-199 (free charge, 24 hours a day- from Hungary only)
06-1-476 6464 (Available 0-24 hours for a standard fee - also from abroad)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:
in accordance with Regulation (EC) No 1272/2008 (CLP)

Aerosols, Category 1	H222 Extremely flammable aerosol H229 Pressurised container: May burst if heated.
Specific target organ toxicity – single exposure, Category 3	H336 May cause drowsiness or dizziness.
Hazardous to the aquatic environment, Chronic 3	H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements:

Dangerous substance(s) to be indicated: 10 - <20% Hydrocarbons, C6-C7, isoalkanes, cyclics; 70-80% propane/butane/isobutane propellant gas

Danger

Hazard Statement(s):

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

Precautionary Statement(s):

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 dust/fume/ gas/mist/vapours/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 F 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 Protect from sunlight.
P501 Dispose of contents/ container to as hazardous waste in accordance with local/ regional/national/international regulation.

2.3 Other hazards:

Results of the PBT and vPvB assessment: Does not meet the criteria for PBT or vPvB substances.
Endocrine disrupting properties: No data available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures:

Substance	CAS Number	EC Number	Index Number/ REACH Registration Number	Concentration by weight	Classification in accordance with Regulation (EC) No 1272/2008
Hydrocarbons, C6-C7, isoalkanes, cyclics; (SPECIAL SPIRIT 80/110) Contains : < 3% n-Hexane	- 110-54-3	926-605-8 203-777-6	01-2119486291-36-0003 601-037-00-0/ -	10 - <20 %	* Flam. Liq. 2, H225 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411 Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Repr. 2, H361f STOT SE 3, H336 STOT RE 2, H373 Aquatic Chronic 2, H411
propellant gas PB 4.2 T:				70-80 %	
Propane	74-98-6	200-827-9	601-003-00-5/01-2119486944-21		Flam.Gas 1, H220 Press Gas (Liq.)
Butane	106-97-8	203-448-7	601-004-00-0/01-2119474691-32		Flam.Gas 1, H220 Press Gas (Liq.)
Isobutane (1,3-butadene content: < 0,1%)	75-28-5 106-99-0	200-857-2 203-450-8	601-004-0-0/01-2119485395-27 601-013-00-X/01-2119471988-16		Flam.Gas 1, H220 Press Gas (Liq.) Muta. 1B, H340 Carc. 1A, H350
Poly(dimethylsiloxane)	polymer	-	-	5-10 %	-

* Classification given by the manufacturer.

For the full text of H-sentences mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures:

Inhalation: The injured person should be taken to fresh air and given rest. In case of respiratory irritation (coughing) or breathing difficulties, call a doctor immediately.

Skin contact: Clothing contaminated or soaked with the product should be removed immediately. The affected skin should be washed with soap and water. In case of complaints, seek medical advice.

Eye contact: The eyes should be rinsed thoroughly with plenty of running water for at least 15 minutes (with the eyelids pulled apart). Contact lenses should be removed if they are present and this can be easily done. An ophthalmologist should be consulted.
Ingestion: The product is sold in aerosol cylinders, so ingestion is unlikely. In case of accidental spillage, the injured person should not be made to vomit and medical attention should be obtained.

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

SPECIAL SPIRIT 80/110 data:
-If ingested and enters the airways, it can be fatal.
-Inhalation of vapours may cause headache, dizziness, vomiting and altered state of consciousness. May cause sleepiness or dizziness. Possible inflammation of the respiratory system. Chemical pneumonia. Risk of pulmonary oedema.
-After skin contact. Contact with product at high temperatures may cause burns.
-After eye contact: Mild irritation of the eyes. Contact with product at high temperatures may cause burns.
- After ingestion: Ingestion of this substance may result in altered state of consciousness and loss of coordination.
Propellant gas data:
In high concentrations, it has a suffocating effect, and a lack of oxygen has fatal consequences.
Poly(dimethyl-siloxane) data:
Hazardous combustion products: carbon oxides, silicon oxides. Incompletely burnt hydrocarbons, toxic and very toxic fumes.

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

Show the safety data sheet or label to the doctor if possible. It should be treated symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Extinguishing powder, carbon dioxide (CO2), alcohol-resistant extinguishing foam, water spray.
Unsuitable extinguishing agent: strong water jet.

5.2 Special hazards arising from the substance or mixture:

The area must be cleared. The fire should only be extinguished from a safe distance or from a sheltered place. Avoid inhaling dangerous fumes and toxic decomposition products (approach from the wind). The best method for extinguishing flammable gas fires is to stop the gas flow before starting the fire. Due to the aerosol formulation, large spillage of the mixture is unlikely. The heat of the fire can cause a rapid build-up of pressure inside the cylinder and the cylinder may explode. Personnel and any materials not yet consumed by the fire should be moved to safety. Hazardous combustion products.

5.3 Advice for firefighters:

Full fire-resistant protective equipment. In the event of fire, breathing apparatus independent of ambient air must be worn.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

For persons not trained for an emergency:
Unauthorised persons must be kept away.

Ignition sources must be removed.
Ensure adequate ventilation.
Avoid contact with skin or eyes.
The vapour/spray of the product must not be inhaled.
Wear full protective clothing and breathing apparatus independent of ambient air.
Caution, if the spill enters a sewer system there is a risk of explosion. Large
In the event of a large spillage, notify the competent authorities.
Poly(dimethylsiloxane): may cause slipping.
For persons trained for emergency situations:
Unauthorised persons must be kept away.
Ignition sources must be removed.
Ensure adequate ventilation.
Avoid contact with skin or eyes.
The vapour/spray of the product must not be inhaled.
Wear full protective clothing and breathing apparatus independent of ambient air.
Caution, if the spill enters a sewer system there is a risk of explosion. Large
In the event of a large spillage, notify the competent authorities.
Poly(dimethylsiloxane): may cause slipping.

6.2 Environmental precautions:

The product should not be released into drains or waterways.
Due to the small aerosol formulation, large spillage is unlikely.
If the spillage (propellant) enters the sewer system, there may be an explosion hazard.
All deeper and distant ignition sources should be eliminated.

6.3 Methods and material for containment and cleaning up:

Eliminate all ignition sources.
Eliminate leaks if this can be done without danger.
Use water spray to reduce the concentration of the gas.
Close off the area until the gas dissipates.
Dispose of in accordance with regulations.
Only non-sparking equipment should be used.
Liquid residues should be picked up with absorbent non-combustible material (dry earth, sand, etc.) and collected until disposal.

6.4 Reference to other sections:

Safe handling: see Section 7.
Personal protective equipment: see Section 8.
Waste treatment, disposal: see Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Use only in well-ventilated areas! Keep away from heat and sources of ignition. Rules for pressurised containers must be followed. Avoid inhalation, contact with skin and eyes and ingestion of the mixture spray.
May be slippery due to poly(dimethylsiloxane) content.
Risk of fire and explosion.
The appliance is overpressurised. Do not open, strike, puncture, expose to temperatures above 50°C, sunlight, radiant heat or throw into a fire, even when empty. Do not spray into an open flame or onto glowing material. Refilling the device is prohibited.

7.2 Conditions for safe storage, including any incompatibilities:
Specific storage requirements: adequate ventilation must be ensured.
Prevent electrostatic charging
Store in a dry, cool place at a temperature below 35°C.
Keep away from heat and sources of ignition.
Keep out of the reach of children and away from food.
Hands must not be wiped with a cloth that has been previously used for cleaning
used for cleaning. Do not place soaked rags in pockets of work clothes.
Strong acids, oxidizing agents.

7.3 Specific end use(s): Maintenance for consumer, professional and industrial use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:
The permitted average concentrations and permitted peak concentrations of dangerous substances in the air at the workplace and their characteristic properties according to Decree No. 5/2020 (II. 6.) ITM on the Protection of the Health and Safety of Workers from the Risks Related to Chemical Pathological Factors (Hungary):

Substance	CAS Number	ÁK-value mg/m^3	CK-value mg/m^3	Characteristics	Reference	ÁK correction group
n-BUTANE	106-97-8	2350	9400	-	-	N
1,3-BUTADIENE	106-99-0	2,2	-	k(1A), i	EU6	T
n-HEXANE	110-54-3	72		b, i, BEM	EU2	T

N Irritants, simple asphyxiants, low health hazards
substances. Correction is NOT necessary.
T Substances that may cause adverse health effects CONSIDERING exposure after exposure.
Corrected ÁK = ÁK x 40/a hours per week.
b It is also absorbed through the skin.
i An irritant that excites the skin, mucous membranes, eyes or all three
k(…) carcinogenic (classification in brackets according to Regulation (EC) No 1272/2008 of the European Parliament and of the Council, CLP Regulation for short)
EU2 Value published in Directive 2006/15/EC
EU6 Value published in EU Directive 2019/130
BEM biological exposure indicator
ÁK-value Permitted average concentration.
CK-value Permitted peak concentration.
CAS number Chemical Abstracts Service registration number used to identify chemical substances.

Permissible limits for biological exposure and action indicators in urine to be assessed in case of occupational exposure to chemicals
n-hexane
Biological exposure (effect) indicator: 2,5-hexanedione (after hydrolysis)
Time of sampling: at the end of shift
Permissible limits: 2 mg/l ; 18 µmol/l

DNELs, PNECs: No data available.

8.2 Exposure controls:

According to ITM Decree No.5/2020 (6.II.): "In the case of dangerous substances not regulated by limit values, the employer shall reduce the level of exposure to the lowest level that can be expected according to the state of scientific and technical knowledge, at which level the dangerous substance has no harmful effects on health."

Appropriate engineering controls:

The product should be used in a well-ventilated area.

Individual protection measures, such as personal protective equipment:

a) Eye and face protection: Wear eye/face protection if there is a risk of eye contact with the mixture (EN 166).

b) Hand and skin protection: Protective gloves. Nitrile rubber, viton, PVA. Transit time: >480 min, EN374 Wear protective clothing if direct contact or splashing may occur.

c) Respiratory protection: In case of vapour formation, the use of respiratory protection with type A filter is recommended.

In case of vapour or aerosol formation: a gas mask with combined filter A/P2 is required.

d) Heat hazard: Not known

Environmental exposure controls:

Product and its waste must be prevented from entering living water, soil and drains. Local, national and waste water regulations must be fulfilled.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

a)	Physical State:	Aerosol
b)	Colour:	Colourless
c)	Odour:	mineral oil-like
	odour threshold	No data available.
d)	Melting point/freezing point	No data available. *PB 4.2 T data:* -187,6÷ -138,3°C *Poly(dimethyl-siloxane) data*:-50 ÷ -35°C
e)	Boiling point or initial boiling point and boiling range	No data available. *SPECIAL SPIRIT 80/110 data:* 55 ÷ 98°C *PB 4.2 T data: -104÷ -60°C*
f)	Flammability	Highly flammable aerosol.
g)	Lower and upper explosion limit	No data available. *SPECIAL SPIRIT 80/110 data:* 1,2 - 8,3 V/V%
h)	Flash point	No data available. *SPECIAL SPIRIT 80/110 data:* <0°C *Poly(dimethyl-siloxane) data*: 260°C (ISO 2719) >300°C (ISO 2592)
i)	Auto-ignition temperature	No data available. *PB 4.2 T data:* 287-537°C
j)	Decomposition temperature	No data available. *Poly(dimethyl-siloxane) data*: from >250°C
k)	pH	Not applicable

l)	Kinematic viscosity	No data available. *SPECIAL SPIRIT 80/110 data*: 0,5 ÷ 1,4 mm^2/s, 20°C *Poly(dimethyl-siloxane) data*: ca. 350 mm^2/s (25°C) DIN 53019
m)	Solubility	Not applicable
n)	Partition coefficient n-octanol/water (log value)	No data available.
o)	Vapour pressure	No data available. *SPECIAL SPIRIT 80/110 data:* 10 - 20 kPa *PB 4.2 T data:* <=1600 kPa (70°C)
p)	Density and/or relative density	No data available *SPECIAL SPIRIT 80/110 data:* 0,67 - 0,8 g/cm^3 ASTM D 1298 *PB 4.2 T data:* ≥ 0,505 g/cm^3 (50°C)
q)	Relative vapour density (20°C)	No data available. *PB 4.2 T data:* <=1600 kPa (70°C)
r)	Particle characteristics	No data available.

9.2 Other information:

Risk of explosion: the appliance is overpressurised. Opening, knocking, pricking, exposure to temperatures above 50°C, sunlight, radiant heat or throwing into a fire is prohibited, even when empty. Do not spray into an open flame or onto glowing material. Refilling the device is prohibited! *PB 4.2 T data*: 5-15 V/V% (literature data).

SECTION 10: Stability and reactivity

10.1 Reactivity: Not known.

10.2 Chemical stability: Stable under normal use.

10.3 Possibility of hazardous reactions: Product vapour can form an explosive mixture with air, which is heavier than air.

PB 4.2 T data: Contact with strong oxidizing agents (peroxides, chromates, etc.) may cause a fire hazard.

10.4 Conditions to avoid: Keep away from heat, ignition sources, hot surfaces, sparks and open flames.

10.5 Incompatible materials: Strong acids, oxidizing agents.

PB 4.2 T data: Mixtures containing nitrates and other oxidizing agents (e.g. chlorates, perchlorates, liquid oxygen) may form an explosive mixture.

10.6. Hazardous decomposition products: In case of fire, toxic gases may be released (CO, CO2, hydrocarbons, aldehydes, char).

Poly(dimethylsiloxane) data: Based on measurements from about 150°C, small amounts of formaldehyde are released through oxidative decomposition.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

- Acute toxicity: Based on available data, the classification criteria are not met.
  PB 4.2 T
  Propane: LC50 1443 mg/l (inhaled, rat) (literature data)
  n-Butane: LC50 658 mg/l (inhaled, rat) (literature data)
  Isobutane: LC50 974 mg/l (inhaled, mouse) (literature data))

  SPECIAL SPIRIT 80/110
  LD50 > 5000 mg/bw kg (oral, rat) (literature data)
  LD50 > 2000 mg/bw kg (dermal, rabbit) (literature data)
  LC50) > 5.2 mg/l/4h (inhalation, rat) (literature data)
  Poly(dimethylsiloxane)
  LD50 >5000 mg/kg (oral, rat)
  LD50 >2008 mg/kg (dermal, rat)

- 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.
  The mutagenicity of the substance has been extensively tested in in-vivo and in-vitro studies
  Genetic toxicity: negative
- Carcinogenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Based on available data, the classification criteria are not met.
  Tests on rats show no reproductive toxicity.
  Poly(dimethylsiloxane) NOAEL(material): >=1000 mg/kg (domestic rabbit, oral (gavage)): 6-19 days gestation

- STOT-single exposure: May cause drowsiness or dizziness.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.
  Poly(dimethylsiloxane) NOAEL: ≥1000 mg/kg (rat, oral (feed), 1a

- Aspiration hazard: Based on available data, the classification criteria are not met.
  Ingestion of the product is unlikely.

11.2 Information on other hazards:

Information on likely routes of exposure: Inhalation, dermal contact, eye contact. Ingestion unlikely.
Inhalation: vapours inhaled in high concentrations have a narcotic effect on the central nervous system. Nausea, loss of consciousness. Inhalation of vapours or aerosols may irritate the airways and mucous membranes.

SECTION 12: Ecological information

12.1 **Toxicity:** Harmful to aquatic life with long lasting effects.
The mixture should not be released into living water, public sewers or soil.
Acute toxicity:
SPECIAL SPIRIT 80/110
LC50 fish 1 1 - 10 mg/l literature data
EC50 Daphnia 1 1 - 10 mg/l literature data
EC50 72 h algae 1 1 - 10 mg/l literature data

Chronic toxicity:
PB 4.2 T
Butane: LC50: 24,11 mg/l (fish, literature data), LC50: 14,22 mg/l (other aquatic organisms, literature data)
EC50 96 h: 7,71 mg/l (algae, literature data)
isobutane: LC50: 27,98 mg/l (fish, literature data), LC50: 16,33 mg/l (other aquatic organisms, literature data)
EC50, 96 h: 89,57 mg/l (algae, literature data)
Propane: LC50: 49,47 mg/l (fish, literature data), LC50: 27,14 mg/l (other aquatic organisms, literature data)
EC50, 72 h: 11,89 mg/l (alga, literature data)

12.2 **Persistence and degradability:** No data are available on the mixture.
SPECIAL SPIRIT 80/110 data: May cause long-term adverse effects in the environment.
Poly(dimethylsiloxane) data: Silicone part is not biodegradable. Removal by adsorption of sludge. Poly(dimethylsiloxane) is significantly degradable by abiotic processes.

12.3 **Bioaccumulative potential:** No data are available on the mixture.
SPECIAL SPIRIT 80/110 data:
Log Pow 3,6 (3 - 6)
Log Kow > 4 potentially bioaccumulative (literature data)
PB 4.2 T data:
Log Kow: propane: 1,09-2,8 (literature data)
Log Kow: butane:1,09- 2,8 (literature data)
Log Kow: isobutane: 1,09-2,8 (literature data)

12.4 **Mobility in soil:** No data available.
Poly(dimethylsiloxane) data: Absorbed into soil.

12.5 **Results of PBT and vPvB assessment:** No data available.

12.6 **Endocrine disrupting properties:** No data available.

12.7 **Other adverse effects:** No data available.

SECTION 13: Disposal considerations

13.1 **Waste treatment methods:**
Disposal of the substance/mixture:
Disposal should be carried out in compliance with local regulations.
[Government Decree 225/2015 (VIII. 7.) on certain aspects of hazardous waste
(225 225 on detailed rules for certain activities involving hazardous waste, Hungarian legislation]

Disposal of contaminated packaging:
Disposal subject to local regulations.
[Government Decree 442/2012 (XII. 29.) on packaging and packaging waste
waste management activities related to packaging and packaging waste, Hungarian legislation]
Waste identification code: 16 05 04* hazardous waste stored in pressure vessels gases (including halons) containing dangerous substances
This product is assigned to the appropriate waste identification major group, subgroup and each depends on the use of the material.
Waste from the generating source may be classified in several different main groups according to the characteristics of the waste, taking into account the relevant regulations. [Decree 72/2013 (VIII. 27.) VM on the list of waste, Hungarian legislation]

SECTION 14: Transport information

14.1 UN number or ID number: UN 1950
14.2 UN proper shipping name: AEROSOLS, flammable
14.3 Transport hazard class(es):
Class: 2
Classification code: 5F
Labels: 2.1
Transport category (Tunnel restriction code): 2 (D)
Limited quantities and excepted quantities: 1L E0
14.4 Packing group: -
14.5 Environmental hazards: Harmful to aquatic life with long lasting effects.
14.6 Special precautions for user: Not applicable.
14.7 Maritime transport in bulk according to IMO instruments: Not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
Chemical safety:
COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
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 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC
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 (CLP)
Act No. XXV. of 2000 on Chemical Safety (Hungarian legislation)

Decree No. 44/2000 (XII.27.) EüM on the detailed rules for certain procedures and activities related to dangerous substances and dangerous preparations (Hungarian legislation)

Health and safety:

Decree No. 3/2002 (II.08.) SzCsM-EüM concerning the minimum safety and health requirements of workplaces (Hungarian legislation)

Act No. XCIII. of 1993 on occupational safety (Hungarian legislation)

Decree No. 65/1999 (XII. 22.) EüM on the minimal safety and health protection requirements regarding the utilization of individual protection tools by workers at the workplaces (Hungarian legislation)

Decree No. 5/2020 (II. 6.) ITM on the Protection of the Health and Safety of Workers from the Risks Related to Chemical Pathological Factors (Hungarian legislation)

Fire safety:

Decree No. 54/2014 (XII. 5.) BM on the National Fire Safety Codes (Hungarian legislation)

Act No. XXXI. of 1996 on fire prevention, technical rescue and the fire department (Hungarian legislation)

Waste management:

Act No. CLXXXV. of 2012 on Waste (Hungarian legislation)

Governmental Decree No. 225/2015 (VIII. 7.) on detailed rules of certain activities related to hazardous waste. (Hungarian legislation)

Governmental Decree No. 442/2012 (XII. 29.) on packaging and on waste management activities related to packaging waste (Hungarian legislation)

Decree No. 72/2013 (VIII. 27.) VM concerning the list of wastes (Hungarian legislation)

Transport:

Decree No. 61/2013 (X. 17.) NFM on the domestic application of Annexes A and B to the European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR), (Hungarian legislation)

Other:

REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents

15.2. Chemical safety assessment: No data available.

SECTION 16: Other information

a) This document is the first English version of the safety data sheet of the product. The English translation was based on version 8 of the Hungarian safety data sheet of the product dated 11. 11. 2022.

b) Explanation of abbreviations and acronyms used in the safety data sheet:
PBT substances: Persistent, Bioaccumulative and Toxic substances.
vPvB substances: very Persistent and very Bio-accumulative substances.
LD50: The amount of a dose, given all at once, which causes the death of 50% of a group of test animals (Lethal Dose).
LC50: The amount of a concentration, given all at once, which causes the death of 50% of a group of test animals (Lethal Concentration).
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
IMO: International Maritime Organization.
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.
ICAO: International Civil Aviation Organization.

c) The hazard classification was carried out by the supplier according to the 1272/2008/EC, based on calculation method.

d) The full text of the H sentences in Section 3 of the safety data sheet:

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour.
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.
H361f Suspected of damaging fertility.
H340 May cause genetic defects.
H350 May cause cancer.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

e) Hazard classes:

Flam. Liq. 2: Flammable liquid Category 2
Flam. Gas. 1: Flammable gases Category 1
Press. Gas: Gases under pressure
Aerosol 1: Aerosol Category 1
Asp. Tox. 1: Aspiration hazard Category 1
Skin Irrit. 2: Skin corrosion/irritation Category 2
STOT SE 3: Specific target organ toxicity — single exposure Category 3
STOT RE 2: Specific target organ toxicity — repeated exposure Category 2
Aquatic Chronic 2, 3: Hazardous to the aquatic environment Category 2, Category 3
Repr. 2: Reproductive toxicity Category 2
Carc. 1A: Carcinogenicity Category 1A
Muta. 1B: Germ cell mutagenicity Category 1B

The safety data sheet has been prepared in accordance with the applicable EU and Hungarian legislation in force. It is limited to our current knowledge, does not guarantee the properties of the product and does not form the basis of any legal relationship.