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

Preparing date: 26 April 2024 **Version: 1**

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

1.1 Product identifier: Copper spray

UFI: SJ5J-7QNV-KSK4-WF9H

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

Identified uses: Maintenance (lubricating grease).
For consumer, industrial and professional use.

Uses advised against: Other than above.

1.3 Details of the supplier of the safety data sheet:

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 1 476 6464 (available day and night)

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.
Hazardous to the aquatic environment (acute) Category1	H400 Very toxic to aquatic life.
Hazardous to the aquatic environment (chronic) Category 3	H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements:

Composition: 4-5% mixture of mineral oils, 40-50% propellant, 40-50% copper paste.

Danger

Hazard Statement(s):

H222 Extremely flammable aerosol
H229 Pressurised container: May burst if heated.
H400 Very toxic to aquatic life.
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.
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.
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.
P391 Collect spillage.
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container to: hazardous waste.

2.3 Other hazards:

Effects on human health: Data for copper paste: Makes the contaminated surface extremely slippery.

Environmental effects: No additional hazardous effects.

Results of PBT and vPvB assessment: Does not meet the criteria for PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.2 Mixtures:

Identifier	CAS Number	EC Number	Index Number/ REACH Registration Number	Concentration by weight	Classification in accordance with Regulation (EC) No 1272/2008
MOL Process O 15 technological and spindle oil /Lubricating oils (petroleum), C18-40, solvent-dewaxed hydrocracked distillate-based; Distillates (petroleum), dewaxed light paraffinic, hydrotreated; Distillates (petroleum), hydrotreated light paraffinic/	94733-15-0 91995-40-3 64742-55-8	305-594-8 295-301-9 265-158-7	-/ 01-2119486987-11 -/ 01-2119488517-24 -/ 01-2119487077-29	4-5 %	Asp. Tox. 1 H304
Propeller gas – PB 4.2 T:				40-50 %	
Propane	74-98-6	200-827-9	601-003-00-5/ 01-2119486944-21	-	Flam. Gas 1 H220 Press. Gas H280 (liquefied gas)
Butane	106-97-8	203-448-7	601-004-00-0/ 01-2119474691-32	-	Flam. Gas 1 H220 Press. Gas H280 (liquefied gas)
Isobutane (1,3-butadiene content: < 0.1 %)	75-28-5 106-99-0	200-857-2 203-450-8	601-004-00-0/ 01-2119485395-27-0019 601-013-00-X/ 01-2119471988-16	-	Flam. Gas 1 H220 Press. Gas H280 (liquefied gas) Flam. Gas 1 H220 Press. Gas H280 (liquefied gas) Muta. 1B H340 Carc. 1A H350

Copper paste (Specis Cu): 5-<10 % Copper	7440-50-8	231-159-6	-/ 01-2119480154-42	40-50 %	Aquatic Acute 1 H400 Aquatic Chronic 3 H412 Acute Tox.4 H302 Aquatic Acute 1 H400 (M factor: 10) Aquatic Chronic 2 H411
1-<3 % Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	270-128-1	-/ 01-2119491299-23		Aquatic Chronic 3 H412

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:

(Applies to propellant gas) The injured person must be taken to fresh air and kept at rest. In the event of respiratory irritation (cough) or difficulty breathing, call a doctor immediately. If breathing has stopped, a qualified person should start artificial respiration, or if the heart has stopped, cardiopulmonary resuscitation. Giving oxygen can have a beneficial effect if it is given by a qualified person, preferably on medical advice.

Skin contact:

(Applies to propellant) Clothing contaminated with the product must be removed immediately. The affected skin surface should be washed with lukewarm water and soap. Do not attempt to rewarm the affected skin on the spot. Do not rub or apply dry heat. Carefully cut around the part of the cloth that adheres to the wound. Cover the casualty loosely with a sterile dressing. Get the injured person to a first aid station or hospital quickly.

Data for copper paste: Can cause skin damage in high-pressure, strong jets.

Eye contact:

(Applies to propellant gas) The eyes must be thoroughly rinsed with plenty of running water for at least 15 minutes (while pulling the eyelids apart). You need to remove the contact lenses, if you have them, and this is easy to do. Do not attempt to overheat. Cover both eyes with a sterile cloth, then the eye should be shown to a doctor.

Ingestion:

The product is sold in an aerosol bottle, so it is unlikely to be swallowed. In case of accidental ingestion, the victim should not be induced to vomit, a doctor should be consulted.

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

In high concentrations, it has a suffocating effect, can cause suffocation, and lack of oxygen can have fatal consequences. (*fuel gas data*)

Copper paste data:

Inhalation: Inhalation of large amounts of vapor may irritate the upper respiratory tract.

Ingestion: May irritate the digestive system. Nausea, vomiting, diarrhea.

Contact with skin: If the skin is exposed to a high-pressure jet of liquid, there is a possibility of the product penetrating the body, which can seriously damage the body even without symptoms.

Eye contact: Not classified.

4.3 Indication of any immediate medical attention and special treatment needed:
Symptomatic treatment. Show the safety data sheet or label to the doctor if possible. There is no specific antidote.

SECTION 5: Firefighting measures

5.1 Extinguishing media:
Suitable extinguishing media: Extinguishing powder, carbon dioxide (CO_2).
Extinguishing foam, water mist (can only be used by trained personnel).
Inappropriate extinguishing media: Strong water jet (can only be used to cool the bottle).

5.2 Special hazards arising from the substance or mixture:
The area must be evacuated. The fire must only be extinguished from a safe distance or from a protected place. Avoid inhalation of hazardous vapours and toxic decomposition products (approach from the windward side). Due to the aerosol packaging, it is unlikely that a large amount of the mixture will leak out.
The heat from the fire can cause a rapid increase in pressure inside the cylinder and cause the cylinder to explode. Personnel and materials not yet reached by the fire must be moved to safety.
Hazardous combustion products: In case of fire, toxic gases may be released (CO, CO_2, various hydrocarbons, aldehydes, soot).

5.3 Advice for firefighters:
Full fireproof protective equipment.
In case of fire, a self-contained breathing apparatus must be worn.
The water used for extinguishing must be collected until disposal.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:
For non-emergency personnel:
Unauthorized persons must be kept away.
Ignition sources must be removed.
Adequate ventilation must be ensured.
Avoid contact with skin or eyes.
The vapour/spray of the product must not be inhaled.
Full protective equipment and a self-contained breathing apparatus must be worn.
Due to the oil and copper paste content of the product, there is a risk of slipping if it spills.
For emergency responders:
Unauthorized persons must be kept away.
Ignition sources must be removed.
Adequate ventilation must be ensured.
Avoid contact with skin or eyes.
The vapour/spray of the product must not be inhaled.
Full protective equipment and a self-contained breathing apparatus must be worn.
Due to the oil and copper paste content of the product, there is a risk of slipping if it spills.

6.2 Environmental precautions:
The product must not be discharged into living waters, the sewer or the soil.
Due to the small aerosol packaging, leakage of a large amount is unlikely.
If the spilled material (propellant gas) gets into the sewer network, there is a risk of explosion.
All deeper and more distant sources of ignition must be eliminated.

6.3 Methods and material for containment and cleaning up:

Stop the leak if it is safe to do so.
Use a water spray to reduce the concentration of the gas.
Seal off the area until the gas dissipates.
It must be disposed of in accordance with the regulations.
Only non-sparking devices may be used.

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:

It can only be used in a well-ventilated area! It must be kept away from heat and sources of ignition. The rules for pressurized containers must be observed. Avoid inhaling the spray of the mixture, getting it on the skin, getting it in the eyes and swallowing it.
The spilled product can be slippery!
Fire and explosion hazard:
There is overpressure in the device. Do not open, knock, puncture, expose to temperatures above 50°C, sunlight, radiant heat or throw into fire, even when empty! Do not spray on an open flame or glowing material. Refilling the device is prohibited!
No smoking!

7.2 Conditions for safe storage, including any incompatibilities:

Individual storage requirements: Ensure adequate ventilation.
Electrostatic charging must be prevented.
It should be stored in a dry, cool place at a temperature below 35°C.
It must be kept away from freezing, heat and sources of ignition.
Keep away from children and separate from food!
Hands should not be wiped with a rag that was previously used for cleaning. Soaked rags should not be placed in the pockets of work clothes.
Do not eat, drink or smoke during use.
Incompatible materials: Strong oxidizing agents.

7.3 Specific end use(s): Maintenance (lubricating grease). For consumer, industrial and professional 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
COPPER and its compounds (calculated as Cu)	7440-50-8	0,1				R
COPPER smoke (calculated as Cu)	7440-50-8	0,01 resp				R

N Irritants, simple asphyxiants, low health hazards. Correction is NOT necessary.
T Substances that have a harmful effect on health after LONG-TERM exposure. Corrected ÁK = ÁK × 40/hours per week.
R Substances whose health-damaging effect occurs as a result of SHORT exposure. Corrected ÁK = ÁK × 8/a number of hours per day.
i Irritant substance that irritates the skin, mucous membranes, eyes, or all three.
b It is also absorbed through the skin.
k(…) Carcinogenic (classification according to the European Parliament and Council Regulation 1272/2008/EC, under another name: CLP Regulation)
EU2 Value stated in Directive 2006/15/EC
EU6 Value stated in Directive 2019/130/EU
BEM Biological Exposure Indices.
ÁK-value Permitted average concentration.
CK-value Permitted peak concentration.
CAS number Chemical Abstracts Service registration number used to identify chemical substances.

DNEL values: No data available.
Copper paste data:
Employee:
Copper:
Short-term, systemic: 20 mg/m3 by inhalation 273 mg/kg/day: through the skin
Short-term, local effects: 1 mg/m3 inhaled
Long-term, local effects: 1 mg/m3 inhaled
Long-term systemic effects: 137 mg/kg/day through the skin.
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene:
Long-term systemic effects: 0.62 mg/kg/day through the skin.
Long-term systemic effects: 4.37 mg/m3 inhaled
Consumer:
Copper:
Short-term, systemic: 20 mg/m3 by inhalation 273 mg/kg / day: through the skin
Long-term, local effects: 1 mg/m3 inhaled
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene:
Long-term systemic effects: 0.31 mg/kg/day through the skin.
Long-term systemic effects: 1.09 mg/m3 inhaled
Long-term systemic effects: 0.31 mg/kg/day orally

PNEC values: No data available.

Copper paste data:
Copper:
Fresh water: 0.0078 mg/l
Seawater: 0.0052 mg/l
Freshwater sediment: 87 mg/kg
Marine sediment: 676 mg/kg
Soil: 65 mg/kg
STP: 0.230 mg/l
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene:
Fresh water: 0.051 mg/l
Seawater: 0.0051 mg/l
Oral: 0.51 mg/l
Freshwater sediment: 9320 mg/kg
Marine sediment: 932 mg/kg
Soil: 1860 mg/kg
STP: 1 mg/l

8.2 Exposure controls:

According to Regulation 5/2020. (II. 6.) ITM: In the case of a hazardous substance not regulated by a limit value, the employer is obliged to reduce the level of exposure to the lowest level expected according to the scientific and technical standard, at which level, according to the current state of science, the hazardous substance has no health-damaging effect.

Appropriate engineering controls:

The product must be used in a well-ventilated room with non-sparking devices.

Individual protection measures, such as personal protective equipment:

Eye/face protection:

Safety glasses with side shields/face shields must be worn if there is a risk of the mixture getting into the eyes.

Skin protection:

Nitrile rubber, fluorinated rubber protective gloves (EN 374) are recommended.
Long-sleeved protective clothing and protective shoes are recommended.

Respiratory protection:

In case of exceeding the permissible workplace air concentration limit, a half mask with a combined "A/P1" filter is recommended (EN 141)

Thermal hazards: Not known.

Environmental exposure controls

The product and waste from it must be prevented from entering living water, soil and public sewers. Local, national, and waste water regulations must be complied with.

Other precautions: Keep away from food, drink and feed.
Hands must be washed after working hours and before breaks. It is forbidden to eat, drink or smoke while working.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

a)	Physical state:	Aerosol
b)	Colour:	Copper

c)	Odour:	Oily, characteristic
	Odour threshold:	No data available.
d)	Melting point/freezing point:	No data are available for this product. PB 4.2 T data: -187.6- -138.35°C
e)	Boiling point or initial boiling point and boiling range:	No data are available for this product. PB 4.2 T data: -104- -60°C
f)	Flammability:	Vapours of the substance can form an explosive mixture with air. There is overpressure in the device. Do not open, knock, puncture, expose to temperatures above 50°C, sunlight, radiant heat or throw into fire, even when empty! Do not spray on an open flame or glowing material. Refilling the device is prohibited! PB 4.2 T data: 5-15 Vol.% (literature data)
g)	Lower and upper explosion limit:	No data are available for this product.
h)	Flash point:	No data are available for this product. Data for MOL-Process O 15 technological and spindle oil: 185oC (MSZ EN ISO 2592) indoors Copper paste data: >200°C
i)	Auto-ignition temperature:	No data available. Copper paste data: >250°C (ASTM E659) PB 4.2 T data: 287-537°C
j)	Decomposition temperature:	No data available.
k)	pH:	Not applicable.
l)	Kinematic viscosity:	No data available. MOL-Process O 15 technological and spindle oil data: 3.5 mm^2/s (at 100°C) kinematic 15.9 mm^2/s (at 40°C) kinematic
m)	Solubility:	Insoluble in water. MOL-Process O 15 technological and spindle oil data: In gasoline, petroleum, toluene, etc. dissolves. PB 4.2 T data: 24.4-60.4 mg/l in water
n)	Partition coefficient n-octanol/water (log value):	No data available.
o)	Vapour pressure:	No data are available for this product. PB 4.2 T data: <=1600 kPa (at 70°C)
p)	Density and/or relative density:	No data are available for this product. MOL-Process O 15 technological and spindle oil data: 0.845 – 0.865 g/cm^3 (at 15°C) MSZ EN ISO 12185 Copper paste data: approx. 900 kg/m^3 (at 21°C) PB 4.2 T data: >=0.505 g/cm^3 (at 50°C)
q)	Relative vapour density:	PB 4.2 T data: <=1600 kPa (at 70°C)
r)	Particle characteristics	No data available.

9.2 Other information:
Oxidizing properties:
Pour point: *MOL-Process O 15 technological and spindle oil data*:
-15°C (MSZ ISO 3016)
Calorific value: *MOL-Process O 15 technological and spindle oil data*:
informative value: 38000 kJ/kg

SECTION 10: Stability and reactivity

10.1 Reactivity: Not known.
10.2 Chemical stability: Stable under normal use.
10.3 Possibility of hazardous reactions: No data available.
10.4 Conditions to avoid: Keep away from heat, sources of ignition, hot surfaces, sparks, and open flames.
10.5 Incompatible materials: Strong acids, oxidizing agents.
PB 4.2 T data: A mixture containing nitrates and other oxidizing agents (e.g. chlorates, perchlorates, liquid oxygen) can form an explosive mixture.
10.6. Hazardous decomposition products: In case of fire, toxic gases may be released (CO, CO_2, various hydrocarbons, aldehydes, soot).

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.

  Data on the components of the product:
  MOL-Process O 15 technological and spindle oil data:
  Acute toxicity:
  LD50:>2000 mg/kg (rat, oral),
  LD50: >2000 mg/kg (rabbit, dermal)
  It can be fatal if swallowed and inhaled.
  Long-term and/or repeated exposure may cause skin or eye irritation depending on individual sensitivity.
  PB 4.2 T data:
  Propane: 1443 mg/l (inhalation, rat) (literature data)
  n-Butane: 658 mg/l (inhalation, rat) (literature data)
  Isobutane: 974 mg/l (inhalation, mouse) (literature data)
  Copper paste data:
  Inhalation of large amounts of vapour/fume/aerosol may irritate the upper respiratory tract.
  If swallowed, it can irritate the digestive system, cause vomiting, nausea, and diarrhea.

- skin corrosion/irritation: Based on available data, the classification criteria are not met.

  Copper paste data:
  If the skin is exposed to a high-pressure liquid jet (product), there is a possibility of the product penetrating the body, which can seriously damage the body even without symptoms.

- serious eye damage/irritation: Based on available data, the classification criteria are not met.
  Non-irritating (risk of frostbite/burns).
- respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
  It is not toxic, but it is dangerous due to the aspheric (lack of oxygen) effect. It can have a narcotic effect when inhaled in high concentrations.
- 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: Vapours may cause drowsiness or dizziness.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.
- aspiration hazard: Ingestion of the product is unlikely.

Delayed and immediate effects from short and long-term exposure, as well as chronic effects: Due to lack of data, the classification criteria are not met.

Information on likely routes of exposure: Inhalation, skin contact, eye contact. Ingestion is unlikely.

11.2 Information on other hazards:
No data available.

Information on likely routes of exposure: Inhalation, skin contact, eye contact. Ingestion is unlikely.

SECTION 12: Ecological information

12.1 Toxicity: No data are available for this product.
The mixture must not be discharged into living water, public sewers or the soil.
PB 4.2 T data:
Butane: LC50: 24.11 mg/l (fish, literature data), LC50: 14.22 mg/l (other aquatic organisms, literature data)
EC50 96 hours: 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 hours: 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 hours: 11.89 mg/l (algae, literature data)

12.2 Persistence and degradability: No data are available.

12.3 Bioaccumulative potential: No data are available for this product.
PB heater and fuel (Propane/butane) data:
Propane: =< 2.8 (literature data)
Butane: =< 2.8 (literature data)
Isobutane: =< 2.8 (literature data)
Copper paste data:
Soil: Adsorbs on soil particles and loses its mobility.
Air: Evaporates slightly.
Water: Does not dissolve, spreads on the surface of water.

12.4 Mobility in soil: No data are available for this product.
MOL-Process O 15 technological and spindle oil data:
Soil: Mineral oil floats on water. it adsorbs on the soil particles and loses its mobility.
Water: Swims on water.

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

12.6 Endocrine disrupting properties: No data are available.

12.7 Other adverse effects:
Copper paste data: does not contain AOX.
MOL-Process O 15 technological and spindle oil data:
When mineral oil is spilled in large quantities, it can be dangerous to the environment, as it forms a film on the surface of the water, blocking the possibility of oxygen entering.
Water hazard class: (1) slightly water hazard (according to VwVwS)

SECTION 13: Disposal considerations

13.1 Waste treatment methods:
Disposal of the substance/mixture: It may be disposed of in accordance with local regulations.
[Government Decree 225/2015. (VIII. 7.) on the detailed rules of certain activities related to hazardous waste]
Disposal of contaminated packaging:
It may be disposed of in accordance with local regulations.
[Government Decree 442/2012. (XII. 29.) on packaging and waste management activities related to packaging waste]
Recommended waste code: 16 05 04* (gases containing dangerous substances stored in pressure-resistant containers (including halons).
The classification of this product into the appropriate waste identification main group, subgroup and individual waste types depends on the use of the material.
The wastes of the source resulting in the formation can be classified into several different main groups with regard to the properties of the given waste, taking into account the relevant regulations.
[Decree72/2013. (VIII. 27.) VM on the waste list]

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):
ADR/RID:
Class: 2
Classification code: 5F
Labels: 2.1
Transport category (Tunnel restriction code): 2 (D)

14.4 Packing group: Not applicable.

14.5 Environmental hazards: -

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

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

Decree No. 34/2014. (X. 30.) NGM on the requirements for the distribution of aerosol products and aerosol packaging

Health and safety:

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

Act No. XCIII. of 1993 on occupational safety

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

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

Waste management:

Act No. CLXXXV. of 2012 on Waste

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

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

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

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)

15.2. Chemical safety assessment: The supplier has not carried out a chemical safety assessment.

SECTION 16: Other information

a) This document is the first English version of the safety data sheet of the product of the same name. The English translation was based on version 8 of the Hungarian safety data sheet of the product dated 27 May 2022.

b) Explanation of abbreviations and acronyms used in the safety data sheet:
CAS Number: A number used to identify the chemical substance (Chemical Abstracts Service).
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. Application of interpolation principles based on the hazard classes of the components.

d) The full text of the H sentences in Section 3 of the safety data sheet:
H222 Extremely flammable aerosol.
H220 Extremely flammable gas.
H229 Pressurised container: May burst if heated.
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H340 May cause genetic defects.
H350 May cause cancer.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

e) Hazard classes:

Aerosol 1	Aerosol 1
Flam. Gas 1	Flammable gases 1
Press. Gas	Gases under pressure
Asp. Tox. 1	Aspiration hazard 1
Muta. 1B	Germ cell mutagenicity 1B
Carc. 1A	Carcinogenicity 1A
Aquatic Acute 1	Hazardous to the aquatic environment – acute category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – chronic category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – chronic category 3

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.