

SAFETY DATA SHEET

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC



Trade name: **A.Z. Meistererteile Spray Grease**

Version: 2 Previous Issue / Date of last revision
(manufacturers): - / 11. 11. 2022

Date of issue: 30. 06. 2020
Date revision: 28. 09. 2023

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

1.1. Product identifier

A.Z. Meistererteile Spray Grease

UFI: GGYV-0H0N-642T-2M48

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

Relevant identified uses: maintenance product for residential and professional use.

Uses advised against: application other than the above.

1.3. Details of the supplier of the safety data sheet:

Distributor Details:

UNIX Autó és Alkatrészkereskedelmi Kft.

H-1139 Budapest, Frangepán u. 55-57.

Tel.: +36 1 270 8700

Fax: +36 1 270 8799

E-mail: cs@unixauto.com

It is related to the use of the product
technical information:

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H-1139 Budapest, Frangepán u. 55-57.

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Responsible for SDS:

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Tel.: +36 1 270 8700

Fax: +36 1 270 8799

E-mail: cs@unixauto.com

1.4. Emergency telephone number

Emergency telephone (07-15²⁰ h): +36 1 270 8700 (CET) on workdays

Health Toxicological Information Service (ETTSZ 1097 Budapest, Albert Flórián út 2-6.)

Tel.: +36 80 201 199 (0-24 h, free number, can only be called from Hungary).

+36 1 476 6464 (0-24 h, can be called for a normal fee - also from abroad)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Hazard Class and Category:

Aerosol 1

Aerosol 1

Hazard statement:

H222 Extremely flammable aerosol

H229 Pressurized container: may burst if heated.

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2.2. Label elements

Product identification: Trade name: **A.Z. Meistererteile Spray Grease**

Hazardous components: -

GHS Pictogram:



Signal word: **Danger**

Hazard statement:

H222 Extremely flammable aerosol
H229 Pressurized container: may burst if heated.

Supplemental hazard information:

EUH208 Contains Naphthenic acids, zinc salts. May produce an allergic reaction

Precautionary statements – General:

P102 Keep out of reach of children.

Precautionary statements – Prevention:

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.

Precautionary statements – Response: -

Precautionary statements – Storage:

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

Precautionary statements – Disposal:

P501 Dispose of contents/container in accordance with national regulation.

Other liabilities for labelling:

Tactile warning of danger and child-resistant fastening: Not required.

Transport classification: see section 14.

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2.3. Other hazards

Product can form flammable/explosive gas/vapour/air mixtures.

The product does not contain any PBT or vPvB substance according to annex XIII of regulation (EC) 1907/2006, at a concentration of 0.1% or more.

The product does not contain any substance with endocrine disrupting properties, at a concentration of 0.1% or more.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical description: Mixtures of the following substances and non-hazardous substances with propellant gas.

Component(s) / Hazardous component(s):

Name	EC number	CAS number	Hazard classes and cat.	Hazard statements	Conc. %(m/m)
Propellant gas – PB 4.2 T:		mixture			
Propane REACH Registr. Nr.: 01-2119486944-21	200-827-9	74-98-6	Flam. Gas 1 Press. Gas	H220 H280	apr. 50
Butane* REACH Registr. Nr.: 01-2119474691-32	203-448-7	106-97-8	Flam. Gas 1 Press. Gas	H220 H280	
Isobutane* REACH Registr. Nr.: 01-2119485395-27	200-857-2	75-28-5	Flam. Gas. 1 Press. Gas.	H220 H280	
Distillates (petroleum), solvent-dewaxed light paraffinic REACH Registr. Nr.: 01-2119480132-48	265-159-2	64742-56-9	Asp. Tox. 1 (Note L)	H304	<10
Distillates (petroleum), solvent-dewaxed heavy paraffinic REACH Registr. Nr.: 01-2119471299-27	265-169-7	64742-65-0	- (Note L)	-	max. 5.0
Distillates (petroleum), hydrotreated light paraffinic REACH Registr. Nr.: 01-2119487077-29	265-158-7	64742-55-8	Asp. Tox. 1 (Note L)	H304	max. 2.0
Methyl-1H-benzotriazole (isomer mixture) REACH Registr. Nr.: 01-2119979081-35	249-596-6	29385-43-1	Acute Tox. 4 Eye Irrit. 2 Repr. 2 Aquatic Chronic 2	H302 H319 H361d H411	<0.3

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Name	EC number	CAS number	Hazard classes and cat.	Hazard statements	Conc. %(m/m)
Naphthenic acids, zinc salts REACH Registr. Nr.: 01-2120783834-41	234-409-2	12001-85-3	Skin Sens. 1B Eye Irrit. 2 Aquatic Chronic 2	H317 H319 H411	<0.3

Note L: The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 (“Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method” Institute of Petroleum, London), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

The full text of each relevant H- phrase and Hazard classes and cat. see in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: Never give anything by mouth to an unconscious person, or never induce vomiting.

Inhalation: Remove exposed person to fresh air. In case of complaints, get medical advice.

Skin contact: Remove contaminated clothing. Wash skin with large amounts of water, use soap. In case of persistent irritation, contact a doctor.

Eye contact: Flush eyes with plenty of water for 10-15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of persistent irritation, contact a doctor.

Ingestion: Not possible under normal conditions. When happened, rinse mouth with water. Do not induce vomiting (aspiration hazard). Get medical attention.

Protection of first-aid person: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation.

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

Propellant gas: In higher concentration the propellant may cause asphyxia and oxygen deficiency.

In contact with skin: irritation, drying of the skin.

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

Symptomatic treatment. Show safety data sheet or label to doctor.

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SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Dry chemical powder, carbon dioxide, alcohol-resistant foam, water spray.

Unsuitable extinguishing media:

Full water jet. They could cause splattering, and spread the fire.

Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

In case of combustion carbon monoxide, carbon dioxide, various aldehydes, hydrocarbons and soot can be formed.

5.3. Advice for fire-fighters

Special protective equipment:

According to the existing fire-fighting regulations. Self-contained breathing apparatus.

Further information:

Use water spray just to cool down surfaces exposed to fire.

Collect contaminated fire-fighting water separately. It must not enter the sewage system.

Contaminated extinguishing water must be disposed of in accordance with official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: see Section 8.

Keep persons not involved in rescue at a distance.

Sufficient ventilation should be provided.

Keep away from sources of ignition – No smoking.

Avoid contact with skin, clothing and eyes, inhalation of gas, vapour, aerosol.

Danger of slipping on leaked out/spilled product.

6.2. Environmental precautions:

Prevent spills from entering into natural water, soil and drains by containing the liquid. All kind of ignition sources should be removed. Do not smoke. Notify relevant authority.

6.3. Methods and material for containment and cleaning up

Exclude source of ignition. Adequate ventilation required in enclosed areas.

Keep away from sources of ignition. Use non-sparking tools.

Contain spilled liquid with (dry earth, sand, etc.) and place in suitable containers for disposal (dangerous waste).

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6.4. Reference to other sections

Personal precautions: see section 8.

Waste treatment methods: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep general measures applied for normal operations with chemicals and extremely flammable aerosols.

Adequate ventilation or local exhaust must be provided.

Keep away from sources of ignition – No smoking.

Product can form flammable/explosive gas/vapour/air mixtures.

Keep container in vertical position avoiding falls and strokes.

Use explosion-proof and non-sparking tools.

Do not pierce or burn, even after use.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Avoid to accumulate electrostatic charge.

Avoid contact with skin, clothing and eyes, inhalation of gas, vapour, aerosol.

Wash hands before breaks and at end of work.

Take off contaminated clothing and wash it before reuse.

When using do not eat or drink.

Handling temperature: no data.

7.2. Conditions for safe storage, including any incompatibilities

Keep general measures applied for storage of flammable and explosive materials.

Store in dry, well-ventilated place in original, closed containers.

Keep away from direct sunshine, direct heat or ignition sources, electrostatic charging.

Keep away from oxidizing agents.

Keep away from food, drink and feed.

Keep out of reach of children.

Storage temperature: max. 35°C.

7.3. Specific end use(s)

Maintenance product for residential and professional use.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

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8.2. Exposure controls

Engineering control measures:

Ensure adequate ventilation.

Personal protection:

- | | |
|----------------------------|---|
| (a) Eye/face protection | Safety glasses with side shields or face shield if splashes may occur (EN 166). |
| (b) Skin protection | |
| (i) Hand protection | Protective gloves (EN 374). Material: nitrile rubber, fluorine rubber. Breakthrough time: > 480 minutes.
Note: Manufacturer's directions for use and the conditions of application should be observed. |
| (ii) Other | Protective clothing. |
| (c) Respiratory protection | In case of vapor or aerosol formation (A/P1), a gas mask with a combined filter is required. |
| (d) Thermal hazards | No data. |

Environmental exposure controls:

Do not discharge into drains/surface waters/groundwater.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- | | |
|--|--|
| a) Physical state: | aerosol (active ingredient: liquid, under pressure) |
| b) Colour: | colorless |
| c) Odour: | characteristic |
| d) Melting point/freezing point: | PB 4.2 T data: -187.6 - -138.3°C |
| e) Boiling point or initial boiling point and boiling range: | PB 4.2 T data: -104 - -60°C |
| f) Flammability: | Extremely flammable aerosol |
| g) Lower and upper explosion limit: | Product is not explosive. However, formation of explosive air/steam mixtures is possible.
PB 4.2 T data: 5-15 tf% (literature data) |
| h) Flash point (EN ISO 2592) (COC): | not available |
| i) Auto-ignition temperature: | PB 4.2 T data: 287-537°C |

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- | | |
|---|---|
| j) Decomposition temperature: | not available |
| k) pH: | not available |
| l) Kinematic viscosity | not available |
| | at 40°C: 15.9 mm ² /s (charge) |
| | at 100°C: 3.5 mm ² /s (charge) |
| m) Solubility | |
| Solubility in water: | PB 4.2 T data: 24.4-60.4 mg/l in water |
| Solubility in other solvents: | not available |
| n) Partition coefficient n-octanol/water (log value): | not available |
| o) Vapour pressure: | PB 4.2 T data: ≤1600 kPa (at 70°C) |
| p) Density and/or relative density at 50°C: | PB 4.2 T data: ≥0.505 g/cm ³ |
| q) Relative vapour density: | not available |
| r) Particle characteristics: | not available |

9.2. Other information
Not available.

SECTION 10: Stability and reactivity

- | | |
|--|---|
| 10.1. Reactivity | Dangerous reactivity not known. |
| 10.2. Chemical stability | No decomposition if stored and handled properly. |
| 10.3. Possibility of hazardous reactions | With strong acids and oxidizing agents. |
| 10.4. Conditions to avoid | High temperature (over 50°C), ignition source, heat source, open flame, spark, direct sunlight, electrostatic charging. |
| 10.5. Incompatible materials | Strong acids, oxidizing agents. |
| 10.6. Hazardous decomposition products | No dangerous decomposition products are formed under normal conditions. Hazardous combustion products: See Section 5. |

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

Components:

Propane (CAS: 74-98-6):

Inhalation: LC₅₀ (rat) 1443 mg/L/4 h (literature data)

Butane (CAS: 106-97-8):

Inhalation: LC₅₀ (rat) 658 mg/L/4 h (literature data)

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Isobutane (CAS: 75-28-5):

Inhalation: LC₅₀ (mouse) 974 mg/L/4 h

Methyl-1H-benzotriazole (isomer mixture) (CAS: 29385-43-1):

Oral: LD₅₀ (rat) 675-720 mg/kg

Dermal: LD₅₀ (rabbit) > 2000 mg/kg

Naphthenic acids, zinc salts (CAS: 12001-85-3):

Oral: LD₅₀ (rat) 4920 mg/kg

Oral: LC₅₀ (mouse) > 2000 mg/kg (OECD 401)

Dermal: LD₅₀ (rabbit) 2500 mg/kg

Distillates (petroleum), solvent-dewaxed light paraffinic (CAS: 64742-56-9):

Oral: LD₅₀ (rat) > 5000 mg/kg (literature data)

Dermal: LD₅₀ (rabbit) > 2000 mg/kg (literature data)

Inhalation: LC₅₀ (rat) > 5.53 mg/L/4 h (literature data)

Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS: 64742-65-0):

Oral: LD₅₀ (rat) > 5000 mg/kg (literature data)

Dermal: LD₅₀ (rabbit) > 2000 mg/kg (literature data)

Inhalation: LC₅₀ (rat) > 5.53 mg/L/4 h (literature data)

Distillates (petroleum), hydrotreated light paraffinic (CAS: 64742-55-8):

Oral: LD₅₀ (rat) > 5000 mg/kg

Dermal: LD₅₀ (rabbit) > 5000 mg/kg

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.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: Based on available data, the classification criteria are not met.
STOT-single exposure: Based on available data, the classification criteria are not met.
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.

11.2. Information on other hazards

The product does not contain any substance with endocrine disrupting properties, at a concentration of 0.1% or more.

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SECTION 12: Ecological information

12.1. Toxicity

No data available for the product.

Components:

Butane (CAS: 106-97-8):

Fish:	LC ₅₀	24.11 mg/L	(literature data)
Other aquatic organisms:	LC ₅₀	14.22 mg/L	(literature data)
Algae:	EC ₅₀	7.71 mg/L/96 h	(literature data)

Isobutane (CAS: 75-28-5):

Fish:	LC ₅₀	27.98 mg/L	(literature data)
Other aquatic organisms:	LC ₅₀	16.33 mg/L	(literature data)
Algae:	EC ₅₀	89.57 mg/L/96 h	(literature data)

Propane (CAS: 74-98-6):

Fish:	LC ₅₀	49.47 mg/L	(literature data)
Other aquatic organisms:	LC ₅₀	27.14 mg/L	(literature data)
Algae:	EC ₅₀	11.89 mg/L/72 h	(literature data)

Methyl-1H-benzotriazole (isomer mixture) (CAS: 29385-43-1):

Fishes (Pimephales promelas):	LC ₅₀	38 mg/L/96 h	
Crabs (Ceriodaphnia dubia):	LC ₅₀	102 mg/L/48 h	

Naphthenic acids, zinc salts (CAS: 12001-85-3):

Fishes (Lepomis macranchirus):	LC ₅₀	92 ppm/96 h	(US EPA)
Daphnia (Daphnia magna):	EC ₅₀	100 mg/L/48 h	
Algae (Pseudokirchneriella subcapitata):	EC ₅₀	4.0 mg/L/72 h	(OECD 201)
Algae (Pseudokirchneriella subcapitata):	NOEC	1.0 mg/L/72 h	

Distillates (petroleum), solvent-dewaxed light paraffinic (CAS: 64742-56-9):

Fishes:	LC ₅₀	> 100 mg/L	
Other aquatic organisms:	EC ₅₀	> 100 mg/L	
Algae:	ErC ₅₀	> 100 mg/L	
Crabs:	NOEC	> 1 mg/L	

Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS: 64742-65-0):

Fishes:	LC ₅₀	> 100 mg/L	(literature data)
Daphnia:	EC ₅₀	> 100 mg/L	(literature data)
Other aquatic organisms:	EC ₅₀	> 100 mg/L	(literature data)
Algae:	ErC ₅₀	> 100 mg/L	(literature data)
Other living beings:	TLM	> 1 mg/L	(literature data)

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Distillates (petroleum), hydrotreated light paraffinic (CAS: 64742-55-8):

Fishes (Pimephales promelas):	NOEL	≥ 100 mg/L/96 h
Daphnia (Daphnia magna):	EC ₅₀	> 10000 mg/L/48 h
Daphnia (Daphnia magna):	EC ₅₀	> 10 mg/L/21 days
Daphnia (Daphnia magna):	NOEC	10 mg/L/21 days

12.2. Persistence and degradability

Biodegradability:

No data available for the product.

12.3. Bioaccumulative potential

Propane (CAS: 74-98-6):

No data available for the product.

Butane (CAS: 106-97-8):

Log Kow: 1.09-2.8 (literature data)

Isobutane (CAS: 75-28-5):

Log Kow: 1.09-2.8 (literature data)

Naphthenic acids, zinc salts (CAS: 12001-85-3):

Log Kow: 1.09-2.8 (literature data)

Log Kow: 1.89-11-15

12.4. Mobility in soil

Mobility in water:

No data.

Floats on water.

12.5. Results of PBT and vPvB assessment

Does not contain PBT and vPvB substances, at a concentration of 0.1% or more.

12.6. Endocrine disrupting properties

The product does not contain any substance with endocrine disrupting properties, at a concentration of 0.1% or more.

12.7. Other adverse effects

Environmental effects:

Do not discharge into drains/surface waters/groundwater.

Water hazard class (German):

No data.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:

Wastes of the product or used oil should be treated as hazardous waste.

Waste Identification Code: 16 05 04*

Gases in pressure containers (including halons) containing dangerous substances.

Disposal must be in compliance with national and local regulations.

Recommended waste treatment method: no data.

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Packaging disposal:

Containers with product residue should also be treated as hazardous waste according to national and local disposal regulations.

Waste Identification Code: 15 01 10*

Packaging containing residues of or contaminated by dangerous substances

Disposal must be in compliance with national and local regulations.

Wastewater:

Quality of wastewater emitted to natural water must comply with national and local regulations.

Care should be taken in any case to ensure compliance with EC, national and local regulations. It is the responsibility of the user to know all relevant national and local regulations.

SECTION 14: Transport information

14.1. UN number or ID number	1950
14.2. UN proper shipping name	AEROSOLS
14.3. Transport hazard class(es)	2 (classification code: 5F)
14.4. Packing group	-
14.5. Environmental hazards	not classified
Marine pollutant:	no
14.6. Special precautions for user	
Labels:	2.1
Tunnel restriction code:	2 (D)
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
This safety data sheet has been prepared according to Regulation (EC) No 1907/2006 (mod.: 2020/878/EU) and to Regulation (EC) 1272/2008.
Seveso category: P3.a.
- 15.2. Chemical safety assessment.
not available

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SECTION 16: Other information

The information given in this data sheet is based on our best knowledge at the time of publication. The information is related only to this product and is intended to assist its safe transport, handling and use. The given physical and chemical parameters describe the product only for the purpose of safety requirements and therefore should not be construed as guaranteeing any specific property of the product or as being part of a product specification or any contract.

The manufacturer or supplier shall not take responsibility for any damages from the use other than recommended or other misuse of the product. It is the responsibility of the user to keep regulatory precautions and observe recommendations for safe use of the product.

Classification for mixtures and used evaluation method according to regulation 1272/2008/EC (CLP)

Aerosol 1	H222	calculation method (based on flammable components)
Aerosol 1	H229	calculation method (based on flammable components)

The full text of each relevant Hazard classes and cat. and H- phrase in Section 3.:

H220	Extremely flammable gas
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H361d	Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.
Flam. Gas 1	Flammable gas Category 1
Press Gas	Compressed gas
Acute Tox. 4	Acute toxicity Category 4
Asp. Tox. 1	Aspiration hazard Category 1
Skin Sens. 1	Respiratory/skin sensitization Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Repr. 2	Reproductive toxicity Category 2
Aquatic Chronic 2	Hazardous to the aquatic environment Category 2

Legend:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate

SAFETY DATA SHEET

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC



Trade name: **A.Z. Meisterteile Spray Grease**

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BCF	Bioconcentration Factor
BOD	Biological Oxygen Demand
Bw	Body Weight
C&L	Classification and Labelling
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging (1272/2008/EC)
CMR	Carcinogenic, Mutagenic or toxic to Reproduction
COD	Chemical Oxygen Demand
CSA	Chemical Safety Assessment
CSR	Chemical Safety Report
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
ECHA	European Chemicals Agency
Ex	Effective Concentration x%
Edx	Effective Dose x%
ELINCS	European List of Notified Chemical Substances
ErC50	EC50 in terms of reduction of growth rate;
ES	Exposure Scenario
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LCx	Lethal Concentration x%
LDx	Lethal Dose x%
LOAEC	Lowest Observed Adverse Effect Concentration
LOAEL	Lowest Observed Adverse Effect Level
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest Observed Effect Level
NOEC	No observed effect concentration
NOEL	No observed effect level
NLP	No-Longer Polymer
NOAEL	No Observed Adverse Effect Level
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SVHC	Substance of Very High Concern
UVCB	substance of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bio-accumulative

Revision Indicators:

Section	Subject of change	Date	Version
1-16	Revision modification according to 2020/878/EU. Full revision due to composition change.	28. 09. 2023	2