Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.11.2020 Revision: 19.11.2020

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

· **1.1 Product identifier**

· **Trade name: Metaflux 70-82 Anti-Seize-Spray (Moly-Spray)**

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.

· **Application of the substance / the mixture** Lubricant

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**
Techno Service GmbH
Detmolder Strasse 515
D-33605 Bielefeld
Germany
+49 521 924440
www.metaflux.de
info@metaflux.de

· **Further information obtainable from:**
Sales Department
+49 521 92444-0

· **1.4 Emergency telephone number:**
+49 700124112112 or +1 872 5888271 (TSF) 24 h

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SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

Aerosol 1	H222-H229	Extremely flammable aerosol. Pressurised container: May burst if heated.
STOT SE 3	H336	May cause drowsiness or dizziness.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**
The labelling of an aspiration hazard (Asp. Tox. 1 H304) is not required for aerosols and containers with a sealed spray attachmend (Regulation (EC) 1272/2008, Annex I, 1.3.3).
The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**

GHS02 GHS07

· **Signal word** Danger

· **Hazard-determining components of labelling:**
Hydrocarbons, C6, isoalkanes, <5% n-hexane pentane

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

· **Precautionary statements**
P102 Keep out of the reach of children.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251 Do not pierce or burn, even after use.
P260 Do not breathe spray.
P211 Do not spray on an open flame or other ignition source.

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P280 Wear protective gloves.
P312 Call a POISON CENTER/doctor if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents / container as special waste.

· **Additional information:**
Contains Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14 alkyl (branched)., N,N-bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, nickel. May produce an allergic reaction.

· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

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SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**
· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32	butane Flam. Gas 1, H220; Press. Gas C, H280	25-50%
CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-2119486944-21	propane Flam. Gas 1, H220; Press. Gas L, H280	10-25%
CAS: 109-66-0 EINECS: 203-692-4	pentane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	2.5-<10%
EC number: 931-254-9 Reg.nr.: 01-2119484651-34	Hydrocarbons, C6, isoalkanes, <5% n-hexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	2.5-<10%
CAS: 7440-44-0 EINECS: 231-153-3	carbon Flam. Sol. 1, H228; Self-heat. 1, H251	2.5-<10%
EC number: 926-605-8 Reg.nr.: 01-2119486291-36	Hydrocarbons, C6-C7, isoalkanes, cyclics,<5%n-hexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	2.5-<10%
CAS: 75-28-5 EINECS: 200-857-2 Reg.nr.: 01-2119485395-27	isobutane (<0,1% butadiene) Flam. Gas 1, H220; Press. Gas C, H280	0.1-≤2.5%
CAS: 7429-90-5 EINECS: 231-072-3	aluminium (stabilized) Pyr. Sol. 1, H250; Water-react. 2, H261	0.1-≤2.5%
CAS: 108-32-7 EINECS: 203-572-1 Reg.nr.: 01-2119537232-48	propylene carbonate Eye Irrit. 2, H319	0.1-≤2.5%
CAS: 110-54-3 EINECS: 203-777-6	n-hexane Flam. Liq. 2, H225; Repr. 2, H361f; STOT RE 2, H373; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	0.25-≤1%
CAS: 110-82-7 EINECS: 203-806-2	cyclohexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; STOT SE 3, H336	0.25-≤1%

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CAS: 7440-47-3 EINECS: 231-157-5	chromium Aquatic Chronic 4, H413	0.1-≤1%
EC number: 931-384-6 Reg.nr.: 01-2119493620-38	Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14 alkyl (branched). Flam. Liq. 3, H226; Eye Dam. 1, H318; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Sens. 1, H317	0.25-<1%
CAS: 80584-90-3 EINECS: 279-503-4	N,N-bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1-methylamine Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	0.1-<0.25%
CAS: 80595-74-0 EINECS: 279-514-4	N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	0.1-<0.25%
CAS: 7440-02-0 EINECS: 231-111-4	nickel Carc. 2, H351; STOT RE 1, H372; Skin Sens. 1, H317	0.1-<1%

· **Additional information:**
EC-Numbers beginning with "9" are numbers given by ECHA for the purpose of registration according REACH. Eventually mentioned CAS-numbers valid for countries which are not subject to the REACH regulation or in regulations not yet updated with the new naming convention for hydrocarbon solvents.
For the wording of the listed hazard phrases refer to section 16.

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SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **General information:**
Take affected persons out into the fresh air.
Do not leave affected persons unattended.
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:**
Wash with water and soap
Immediately wash with water and soap and rinse thoroughly.
· **After eye contact:** Rinse opened eye for several minutes under running water.
· **After swallowing:** If symptoms persist consult doctor.
· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

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SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:**
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **5.2 Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
Risk of bursting in case of fire heat
· **5.3 Advice for firefighters**
· **Protective equipment:**
Mouth respiratory protective device.
Wear fully protective suit.
· **Additional information** Cool endangered receptacles with water spray.

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SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
· **6.2 Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
· **6.3 Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
· **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
· **Information about fire - and explosion protection:**
Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Keep respiratory protective device available.
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Observe official regulations on storing packagings with pressurised containers.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:** Keep container tightly sealed.
· **Recommended storage temperature:** 15 - 35 °C, max. 50 °C
· **7.3 Specific end use(s)** No further relevant information available.

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SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**	
106-97-8 butane	
WEL (Great Britain)	Short-term value: 1810 mg/m³, 750 ppm Long-term value: 1450 mg/m³, 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
109-66-0 pentane	
WEL (Great Britain) IOELV (EU)	Long-term value: 1800 mg/m³, 600 ppm Long-term value: 3000 mg/m³, 1000 ppm
Hydrocarbons, C6, isoalkanes, <5% n-hexane	
RCP-TWA (Great Britain)	Long-term value: 1400 mg/m³
7440-44-0 carbon	
WEL (Great Britain)	Long-term value: 10* 4** mg/m³ *inhalable dust **respirable

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Hydrocarbons, C6-C7, isoalkanes, cyclics,<5%n-hexane	
RCP-TWA (Great Britain)	Long-term value: 1400 mg/m³
110-54-3 n-hexane	
WEL (Great Britain)	Long-term value: 72 mg/m³, 20 ppm
IOELV (EU)	Long-term value: 72 mg/m³, 20 ppm
110-82-7 cyclohexane	
WEL (Great Britain)	Short-term value: 1050 mg/m³, 300 ppm Long-term value: 350 mg/m³, 100 ppm
IOELV (EU)	Long-term value: 700 mg/m³, 200 ppm
7440-47-3 chromium	
WEL (Great Britain)	Long-term value: 0.5 mg/m³
IOELV (EU)	Long-term value: 2 mg/m³ as Cr
7440-02-0 nickel	
WEL (Great Britain)	Long-term value: 0.5 mg/m³ as Ni; Sk; Carc

· **DNELs**

109-66-0 pentane		
Oral	DNEL Endverbraucher/ Consumers /Consommateur	214 mg/kg BW/ day (.)
Dermal	DNEL - Endverbraucher/ Consumers /Consommateur	214 mg/kg BW /day (.)
	DNEL Arbeiter / Workers/ Travailleur	432 mg/kg BW /day (.)
Inhalative	DNEL Endverbraucher/ Consumers /Consommateur	643 mg /m3 (.)
	DNEL Arbeiter / Workers/ Travailleur	3000 mg /m3 (.)
Hydrocarbons, C6, isoalkanes, <5% n-hexane		
Oral	DNEL Endverbraucher/ Consumers /Consommateur	1301 mg/kg BW/ day (.)
Dermal	DNEL - Endverbraucher/ Consumers /Consommateur	1377 mg/kg BW /day (.)
	DNEL Arbeiter / Workers/ Travailleur	13964 mg/kg BW /day (.)
Inhalative	DNEL Endverbraucher/ Consumers /Consommateur	1137 mg /m3 (.)
	DNEL Arbeiter / Workers/ Travailleur	5306 mg /m3 (.)
Hydrocarbons, C6-C7, isoalkanes, cyclics,<5%n-hexane		
Oral	DNEL Endverbraucher/ Consumers /Consommateur	1301 mg/kg BW/ day (.)
Dermal	DNEL - Endverbraucher/ Consumers /Consommateur	1377 mg/kg BW /day (.)
	DNEL Arbeiter / Workers/ Travailleur	13964 mg/kg BW /day (.)
Inhalative	DNEL Endverbraucher/ Consumers /Consommateur	1131 mg /m3 (.)
	DNEL Arbeiter / Workers/ Travailleur	5306 mg /m3 (.)
108-32-7 propylene carbonate		
Oral	DNEL Endverbraucher/ Consumers /Consommateur	25 mg/kg BW/ day (.)
Dermal	DNEL - Endverbraucher/ Consumers /Consommateur	25 mg/kg BW /day (.)
	DNEL Arbeiter / Workers/ Travailleur	50 mg/kg BW /day (.)
Inhalative	DNEL Endverbraucher/ Consumers /Consommateur	10 mg /m3 (.)
	DNEL Arbeiter / Workers/ Travailleur	20 mg /m3 (.)

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.

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· **Respiratory protection:**
Not necessary if room is well-ventilated.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**
If contamination is possible, use gloves made of nitrile according EN 374
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**
> 480 min / 0,4 mm thickness
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Not required.

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SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Aerosol
Colour:	Dark grey
· **Odour:**	Petrol-like
· **Odour threshold:**	Not determined.
· **pH-value:**	Not determined.
· **Change in condition**	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Not applicable, as aerosol.
· **Flash point:**	-97 °C
· **Flammability (solid, gas):**	Not applicable.
· **Ignition temperature:**	285 °C
· **Decomposition temperature:**	Not determined.
· **Auto-ignition temperature:**	Product is not selfigniting.
· **Explosive properties:**	Risk of bursting at temperatures > 50 °C. Damage of the container may lead to the formation of explosive mixtures of gas/vapors with air.
· **Explosion limits:**	
Lower:	1.5 Vol %

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Upper:	10.9 Vol %
· **Vapour pressure:**	Not determined.
· **Pressure (20 °C)**	3 - 5 bar
· **Density at 20 °C:**	0.718 g/cm³
· **Relative density**	Not determined.
· **Vapour density**	Not determined.
· **Evaporation rate**	Not applicable.
· **Solubility in / Miscibility with water:**	Not miscible or difficult to mix.
· **Partition coefficient: n-octanol/water:**	Not determined.
· **Viscosity:**	
Dynamic:	Not determined.
Kinematic:	Not determined.
· **Solvent content:**	
Organic solvents:	18.8 %
VOC (EC)	61.7 % 63.38 % 442.5 g/l
Solids content:	38.3 %
· **9.2 Other information**	No further relevant information available.
· **Additional information**	Vapors are heavier than air.

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SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
Risk of bursting at temperatures >50 °C.
· **10.3 Possibility of hazardous reactions**
By use or incidental release the formation of explosive vapor/air mixtures is possible.
· **10.4 Conditions to avoid**
Temperatures >50 °C
Avoid the use in the near of ignition sources.
· **10.5 Incompatible materials:** No further relevant information available.
· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.
· **Additional information:** Stable for a storage time of min. 24 months

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SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**
· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**		
106-97-8 butane		
Inhalative	LC50/4 h	658 mg/l (rat)
74-98-6 propane		
Inhalative	LC50/4 h	> 20 mg/l (rat)
75-28-5 isobutane (<0,1% butadiene)		
Inhalative	LC50/4 h	>20 mg/l (rat)

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108-32-7 propylene carbonate		
Oral	LD50	29000 mg/kg (rat)
110-82-7 cyclohexane		
Oral	LD50	12705 mg/kg (rat)

· **Primary irritant effect:**
· **Skin corrosion/irritation** low irritant - no duty to declare
· **Serious eye damage/irritation** low
· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
· **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**
May be fatal if swallowed and enters airways.

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SECTION 12: Ecological information

· **12.1 Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **12.2 Persistence and degradability** No further relevant information available.
· **12.3 Bioaccumulative potential** No further relevant information available.
· **12.4 Mobility in soil** No further relevant information available.
· **Ecotoxical effects:**
· **Remark:** Harmful to fish
· **Additional ecological information:**
· **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Harmful to aquatic organisms
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **12.6 Other adverse effects** No further relevant information available.

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SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation**
empty cans: material recycling
filled cans: remove in accordance with local regulations
Hand over to hazardous waste disposers.

· **European waste catalogue**	
16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 05 00	gases in pressure containers and discarded chemicals
16 05 04*	gases in pressure containers (including halons) containing hazardous substances
07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 06 00	wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 04*	other organic solvents, washing liquids and mother liquors

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· **Uncleaned packaging:**
· **Recommendation:** *Disposal must be made according to official regulations.*
· **Recommended cleansing agents:** *Solvent naphtha*

*
SECTION 14: Transport information

· **14.1 UN-Number**	
· **ADR, IMDG, IATA**	*UN1950*
· **14.2 UN proper shipping name**	
· **ADR**	*1950 AEROSOLS*
· **IMDG**	*AEROSOLS*
· **IATA**	*AEROSOLS, flammable*
· **14.3 Transport hazard class(es)**	
· **ADR**	
· **Class**	*2 5F Gases.*
· **Label**	*2.1*
· **IMDG, IATA**	
· **Class**	*2.1*
· **Label**	*2.1*
· **14.4 Packing group**	
· **ADR, IMDG, IATA**	*Void*
· **14.5 Environmental hazards:**	
· **Marine pollutant:**	*No*
· **14.6 Special precautions for user**	*Warning: Gases.*
· **Danger code (Kemler):**	*-*
· **EMS Number:**	*F-D,S-U*
· **Stowage Code**	*SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.*
· **Segregation Code**	*SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.*
· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**	*Not applicable.*

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· **Transport/Additional information:**

· **ADR**	
· **Limited quantities (LQ)**	1L
· **Excepted quantities (EQ)**	Code: E0 Not permitted as Excepted Quantity
· **Transport category**	2
· **Tunnel restriction code**	D
· **Remarks:**	Transportation as "LIMITED QUANTITIES" according 3.4 ADR is possible. Sole marking: Sign for "Limited Quantities" (rhombus with two black edges) Entry in the transportation document: Transportation according chapter 3.4 ADR Tunnel category "E" in case of a load of 8000 kg (rgross weight) or more. Hazardous goods under the transport regulations listed above may be subject to special regulations. For details please consult the relevant transport regulations
· **IMDG**	
· **Limited quantities (LQ)**	1L
· **Excepted quantities (EQ)**	Code: E0 Not permitted as Excepted Quantity
· **UN "Model Regulation":**	UN 1950 AEROSOLS, 2.1

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SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **Seveso category** P3a FLAMMABLE AEROSOLS
· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t
· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· **National regulations:**

· **Information about limitation of use:**
Employment restrictions concerning juveniles must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.

Class	Share in %
I	0.5
II	0.1
III	0.5
NK	18.3

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**
H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour.

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H228 Flammable solid.
H250 Catches fire spontaneously if exposed to air.
H251 Self-heating: may catch fire.
H261 In contact with water releases flammable gases.
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H361f Suspected of damaging fertility.
H372 Causes damage to organs through prolonged or repeated exposure. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.

· ***Abbreviations and acronyms:***
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Gas 1: Flammable gases – Category 1
Aerosol 1: Aerosols – Category 1
Press. Gas C: Gases under pressure – Compressed gas
Press. Gas L: Gases under pressure – Liquefied gas
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Flam. Sol. 1: Flammable solids – Category 1
Pyr. Sol. 1: Pyrophoric solids – Category 1
Self-heat. 1: Self-heating substances and mixtures – Category 1
Water-react. 2: Substances and mixtures which in contact with water emit flammable gases – Category 2
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Carc. 2: Carcinogenicity – Category 2
Repr. 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

· **** Data compared to the previous version altered.***