

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


- **1.1 Product identifier**
- **Trade name:** *METAFLUX 70-65 Crystal Lub Spray*
- **UFI:** *W410-R0R6-N006-ED9V*
- **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**
*Coating
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*
- **Further information obtainable from:**
Sales Department: 1.888.452.6382 / info@ametasolution.com
- **1.4 Emergency telephone number:** *1-613-996-6666 (24/7) Canutec*

SECTION 2: Hazards identification


- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**

| | | |
|--------------------------|------------------|---|
| <i>Aerosol 1</i> | <i>H222-H229</i> | <i>Extremely flammable aerosol. Pressurised container: May burst if heated.</i> |
| <i>Skin Irrit. 2</i> | <i>H315</i> | <i>Causes skin irritation.</i> |
| <i>STOT SE 3</i> | <i>H336</i> | <i>May cause drowsiness or dizziness.</i> |
| <i>Asp. Tox. 1</i> | <i>H304</i> | <i>May be fatal if swallowed and enters airways.</i> |
| <i>Aquatic Chronic 2</i> | <i>H411</i> | <i>Toxic to aquatic life with long lasting effects.</i> |


- **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



GHS09

- **Signal word** *Danger*
- **Hazard-determining components of labelling:**
*pentane
Hydrocarbons, C6, isoalkanes, <5% n-hexane
Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane*
- **Hazard statements**
*H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.*
- **Precautionary statements**
*P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.*

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- P211 Do not spray on an open flame or other ignition source.
 P251 Do not pierce or burn, even after use.
 P260 Do not breathe vapours/spray.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves / eye protection.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P312 Call a POISON CENTER/doctor if you feel unwell.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
 P501 Dispose of container with content as special waste.

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

SECTION 3: Composition/information on ingredients

3.2 Mixtures**Description:**

Mixture of substances listed below with nonhazardous compounds or compounds with no duty to declare.

Dangerous components:

| | | |
|---|---|-----------|
| CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32 | Butane (< 0,1 % 1,3-butadiene) Flam. Gas 1A, H220; Press. Gas (Liq.), H280 | 25-50% |
| CAS: 109-66-0 EINECS: 203-692-4 Index number: 601-006-00-1 Reg.nr.: 01-2119459286-30 | pentane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336, EUH066 | ≥10-<25% |
| CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21 | propane Flam. Gas 1A, H220; Press. Gas (Liq.), H280 | 10-25% |
| CAS: 64742-49-0 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 Specific concentration limit: STOT SE 3; C ≥ 15 % | ≥2,5-<10% |
| CAS: 64742-49-0 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 Specific concentration limit: STOT SE 3; C ≥ 15 % | 2,5-10% |
| CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27 | Isobutane (< 0,1 % 1,3-butadiene) Flam. Gas 1A, H220; Press. Gas (Liq.), H280 | 2,5-10% |
| CAS: 110-82-7 EINECS: 203-806-2 Index number: 601-017-00-1 Reg.nr.: 01-2119463273-41 | 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 Specific concentration limit: STOT SE 3; C ≥ 15 % | ≥0,25-≤1% |
| CAS: 110-54-3 EINECS: 203-777-6 Index number: 601-037-00-0 Reg.nr.: 01-2119480412-44 | 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 Specific concentration limits: Repr. 2; H361: C ≥ 5 % STOT SE 3; C ≥ 15 % | ≥0,25-≤1% |

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· **Additional information:**

For the wording of the listed hazard phrases refer to section 16.

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.

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:** *In case of unconsciousness place patient stably in side position for transportation.*

· **After skin contact:** *Immediately wash with water and soap and rinse thoroughly.*

· **After eye contact:** *Rinse opened eye for several minutes under running water.*

· **After swallowing:** *Do not induce vomiting; call for medical help immediately.*

· **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.

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.

· **For safety reasons unsuitable extinguishing agents:** *Water with full jet*

· **5.2 Special hazards arising from the substance or mixture** *Risk of bursting in case of fire heat*

· **5.3 Advice for firefighters**

· **Protective equipment:** *Wear self-contained respiratory protective device.*

· **Additional information** *Cool endangered receptacles with water spray.*

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Particular danger of slipping on leaked/spilled product.

Ensure adequate ventilation

· **6.2 Environmental precautions:** *Do not allow to enter sewers/ surface or ground water.*

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

Ensure adequate ventilation.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· **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.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

· **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

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.

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Do not spray onto a naked flame or any incandescent material.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Observe official regulations on storing packagings with pressurised containers.

· **Information about storage in one common storage facility: Not required.**

· **Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

· **Recommended storage temperature: 15 - 35°C, max. 50°C**

· **7.3 Specific end use(s) No further relevant information available.**

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

106-97-8 Butane (< 0,1 % 1,3-butadiene)

AGW (Germany) Long-term value: 2400 mg/m³, 1000 ppm
4(II); DFG

MAK (Switzerland) Short-term value: 7600 mg/m³, 3200 ppm
Long-term value: 1900 mg/m³, 800 ppm

109-66-0 pentane

AGW (Germany) Long-term value: 3000 mg/m³, 1000 ppm
2(II); DFG, EU, Y

IOELV (EU) Long-term value: 3000 mg/m³, 1000 ppm

MAK (Switzerland) Short-term value: 3600 mg/m³, 1200 ppm
Long-term value: 1800 mg/m³, 600 ppm
SSc;

74-98-6 propane

AGW (Germany) Long-term value: 1800 mg/m³, 1000 ppm
4(II); DFG

MAK (Switzerland) Short-term value: 7200 mg/m³, 4000 ppm
Long-term value: 1800 mg/m³, 1000 ppm

64742-49-0 Hydrocarbons, C6, isoalkanes, <5% n-hexane

AGW (Germany) Long-term value: 700 mg/m³
2(II); AGS C5-C8 Aliphaten nach TRGS 900

64742-49-0 Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane

AGW (Germany) Long-term value: 700 mg/m³
2(II); AGS C6-C8 Aliphaten nach TRGS 900

75-28-5 Isobutane (< 0,1 % 1,3-butadiene)

AGW (Germany) Long-term value: 2400 mg/m³, 1000 ppm
4(II); DFG

MAK (Switzerland) Short-term value: 7600 mg/m³, 3200 ppm
Long-term value: 1900 mg/m³, 800 ppm

110-82-7 cyclohexane

AGW (Germany) Long-term value: 700 mg/m³, 200 ppm
4(II); DFG, EU

IOELV (EU) Long-term value: 700 mg/m³, 200 ppm

MAK (Switzerland) Short-term value: 2800 mg/m³, 800 ppm
Long-term value: 700 mg/m³, 200 ppm
B;

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110-54-3 n-hexane

| | |
|-------------------|---|
| AGW (Germany) | Long-term value: 180 mg/m ³ , 50 ppm 8(II);DFG, EU, Y |
| IOELV (EU) | Long-term value: 72 mg/m ³ , 20 ppm |
| MAK (Switzerland) | Short-term value: 1440 mg/m ³ , 400 ppm Long-term value: 180 mg/m ³ , 50 ppm H B R2f SSc; |

· **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 | 3.000 mg /m3 (.) |

64742-49-0 Hydrocarbons, C6, isoalkanes, <5% n-hexane

| | | |
|------------|--|--------------------------|
| Oral | DNEL Endverbraucher/ Consumers /Consommateur | 1.301 mg/kg BW/ day (.) |
| Dermal | DNEL - Endverbraucher/ Consumers /Consommateur | 1.377 mg/kg BW /day (.) |
| | DNEL Arbeiter / Workers/ Travailleur | 13.964 mg/kg BW /day (.) |
| Inhalative | DNEL Endverbraucher/ Consumers /Consommateur | 1.137 mg /m3 (.) |
| | DNEL Arbeiter / Workers/ Travailleur | 5.306 mg /m3 (.) |

64742-49-0 Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane

| | | |
|------------|--|--------------------------|
| Oral | DNEL Endverbraucher/ Consumers /Consommateur | 1.301 mg/kg BW/ day (.) |
| Dermal | DNEL - Endverbraucher/ Consumers /Consommateur | 1.377 mg/kg BW /day (.) |
| | DNEL Arbeiter / Workers/ Travailleur | 13.964 mg/kg BW /day (.) |
| Inhalative | DNEL Endverbraucher/ Consumers /Consommateur | 1.131 mg /m3 (.) |
| | DNEL Arbeiter / Workers/ Travailleur | 5.306 mg /m3 (.) |

· **Ingredients with biological limit values:****110-82-7 cyclohexane**

| | |
|-------------------|---|
| BGW (Germany) | 150 mg/g Kreatinin Untersuchungsmaterial: Urin Probennahmezeitpunkt: bei Langzeitexposition: am Schichtende nach mehreren vorangegangenen Schichten, Expositionsende bzw. Schichtende Parameter: 1,2-Cyclohexandiol (nach Hydrolyse) |
| BAT (Switzerland) | 150 mg/g Kreatinin Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende, bei Langzeitexposition: Nach mehreren vorangegangenen Schichten Biol. Parameter: Gesamt-1,2-Cyclohexandiol |

110-54-3 n-hexane

| | |
|-------------------|---|
| BGW (Germany) | 5 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: 2,5-Hexandion plus 4,5-Dihydroxy-2-hexanon (nach Hydrolyse) |
| BAT (Switzerland) | 5 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Biol. Parameter: 2,5 Hexandion plus 4,5-Dihydroxy-2-hexanon |

· **Additional information:** The lists valid during the making were used as basis.· **8.2 Exposure controls**· **Appropriate engineering controls** No further data; see item 7.

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· **Individual protection measures, such as 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.
- Avoid contact with the eyes and skin.

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

· **Hand protection**

· **Material of gloves**



If contamination is possible, use gloves made of nitrile according EN 374

· **Penetration time of glove material** > 480 min / 0,4 mm thickness

· **Eye/face protection**



Safety glasses in case of spittings

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

- | | |
|---|---|
| · Colour: | Colourless |
| · Odour: | Recognisable |
| · Melting point/freezing point: | Undetermined. |
| · Boiling point or initial boiling point and boiling range | -44 °C |
| · Flammability | Contains extremely flammable liquefied gas |
| · Lower and upper explosion limit | |
| · Lower: | 1,2 Vol % (64742-49-0 Hydrocarbons, C6, isoalkanes, <5% n-hexane) |
| · Upper: | 10,9 Vol % (74-98-6 propane) |
| · Flash point: | Not applicable, as aerosol. |
| · Ignition temperature: | 250 °C |
| · pH | Mixture is non-polar/aprotic. Not determined. |
| · Solubility | |
| · water: | Not miscible or difficult to mix. |
| · Vapour pressure: | Not determined. |
| · Pressure (20°C) | 2 - 4 bar |
| · Density and/or relative density | |
| · Density at 20 °C: | ca.0,62 g/cm ³ |

· **9.2 Other information**

· **Appearance:**

· **Form:** Aerosol

· **Important information on protection of health and environment, and on safety.**

· **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.

· **Solvent content:**

· **Organic solvents:**

32,3 %

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· **VOC (EC)** 91,90 % = 0,228 kg / 400 ml = 570 g/l

· **Information with regard to physical hazard classes**

- **Explosives** Void
- **Flammable gases** Void
- **Aerosols**
Extremely flammable aerosol. Pressurised container: May burst if heated.
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids** Void
- **Flammable solids** Void
- **Self-reactive substances and mixtures** Void
- **Pyrophoric liquids** Void
- **Pyrophoric solids** Void
- **Self-heating substances and mixtures** Void
- **Substances and mixtures, which emit flammable gases in contact with water** Void
- **Oxidising liquids** Void
- **Oxidising solids** Void
- **Organic peroxides** Void
- **Corrosive to metals** Void
- **Desensitised explosives** Void
- **Additional information** Vapors are heavier than air.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** Risk of bursting at temperatures >50°C.
- **10.3 Possibility of hazardous reactions** Forms explosive gas mixture with air.
- **10.4 Conditions to avoid** No further relevant information available.
- **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

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.

· **LD/LC50 values relevant for classification:**

106-97-8 Butane (< 0,1 % 1,3-butadiene)

| | | |
|------------|----------|----------------|
| Inhalative | LC50/4 h | 658 mg/l (rat) |
|------------|----------|----------------|

109-66-0 pentane

| | | |
|------|------|--------------------|
| Oral | LD50 | >2.000 mg/kg (rat) |
|------|------|--------------------|

| | | |
|------------|----------|------------------|
| Inhalative | LC50/4 h | >25,3 mg/l (rat) |
|------------|----------|------------------|

74-98-6 propane

| | | |
|------------|----------|----------------|
| Inhalative | LC50/4 h | >20 mg/l (rat) |
|------------|----------|----------------|

| | | |
|--|--------------|------------------|
| | LC50 /15 min | 1.443 mg/l (rat) |
|--|--------------|------------------|

64742-49-0 Hydrocarbons, C6, isoalkanes, <5% n-hexane

| | | |
|------|------|---------------------|
| Oral | LD50 | >16.750 mg/kg (rat) |
|------|------|---------------------|

| | | |
|--------|------|--------------------|
| Dermal | LD50 | >3.350 mg/kg (rat) |
|--------|------|--------------------|

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| | | |
|--|----------|---------------------|
| Inhalative | LC50/4 h | >259 mg/l (rat) |
| 64742-49-0 Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane | | |
| Oral | LD50 | >16.750 mg/kg (rat) |
| Dermal | LD50 | >3.350 mg/kg (rat) |
| Inhalative | LC50/4 h | >259 mg/l (rat) |
| 75-28-5 Isobutane (< 0,1 % 1,3-butadiene) | | |
| Inhalative | LC50/4 h | >20 mg/l (rat) |

- **Skin corrosion/irritation**

Causes skin irritation.

- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.

- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

- **Carcinogenicity** Based on available data, the classification criteria are not met.

- **Reproductive toxicity** Based on available data, the classification criteria are not met.

- **STOT-single exposure**

May cause drowsiness or dizziness.

- **STOT-repeated exposure** Based on available data, the classification criteria are not met.

- **Aspiration hazard**

May be fatal if swallowed and enters airways.

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

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.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

- **12.7 Other adverse effects**

- **Remark:** Toxic for fish

- **Additional ecological information:**

- **General notes:**

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

empty cans: material recycling

filled cans: remove in accordance with local regulations

- **European waste catalogue**

| | |
|----------|--|
| 16 00 00 | WASTES NOT OTHERWISE SPECIFIED IN THE LIST |
|----------|--|

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16 05 00 gases in pressure containers and discarded chemicals

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

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

· **14.1 UN number or ID number**· **ADR, IMDG, IATA**

UN1950

· **14.2 UN proper shipping name**· **ADR**

1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS

· **IMDG**

AEROSOLS, MARINE POLLUTANT

· **IATA**

AEROSOLS, flammable

· **14.3 Transport hazard class(es)**· **ADR**· **Class**

2 5F Gases.

· **Label**

2.1

· **IMDG**· **Class**

2.1 Gases.

· **Label**

2.1

· **IATA**· **Class**

2.1 Gases.

· **Label**

2.1

· **14.4 Packing group**· **ADR, IMDG, IATA**

Void

· **14.5 Environmental hazards:**

Product contains environmentally hazardous substances: pentane

· **Marine pollutant:**

Symbol (fish and tree)

· **Special marking (ADR):**

Symbol (fish and tree)

· **14.6 Special precautions for user**

Warning: Gases.

· **Hazard identification number (Kemler code):**

-

· **EMS Number:**

F-D,S-U

· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

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· **Transport/Additional information:**

· **ADR**

· **Excepted quantities (EQ)**

Code: E0

Not permitted as Excepted Quantity

Transportation as "LIMITED QUANTITIES" according 3.4 ADR is possible.

· **Remarks:**

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.

· **IMDG**

· **Limited quantities (LQ)**

1L

· **Excepted quantities (EQ)**

Code: E0

Not permitted as Excepted Quantity

· **UN "Model Regulation":**

UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

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

E2 Hazardous to the Aquatic Environment

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations:**

· **Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

(Contd. on page 11)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 06.12.2022

Version number 1

Revision: 06.12.2022

Trade name: **METAFLUX 70-65 Crystal Lub Spray**

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| Class | Share in % |
|-------|------------|
| I | 1,0 |
| NK | 31,3 |

· **MAL-Code:** 5-3· **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.
- H280 Contains gas under pressure; may explode if heated.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H361f Suspected of damaging fertility.
- H373 May cause damage to organs 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.
- EUH066 Repeated exposure may cause skin dryness or cracking.

· **Date of previous version:** 06.12.2022

· **Abbreviations and acronyms:**

- ADR: Accord relatif au transport international 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)
 - MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)
 - 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 1A: Flammable gases – Category 1A
 - Aerosol 1: Aerosols – Category 1
 - Press. Gas (Liq.): Gases under pressure – Liquefied gas
 - Flam. Liq. 2: Flammable liquids – Category 2
 - Skin Irrit. 2: Skin corrosion/irritation – Category 2
 - Repr. 2: Reproductive toxicity – Category 2
 - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 - 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
- *** Data compared to the previous version altered.**

EU