

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 19.01.2026

Version number 5 (replaces version 4)

Revision: 01.10.2025

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

- **1.1 Product identifier**
- **Trade name:** IBS-Wartungsöl MultiFix
- **Article number:** 2050044
- **UFI:** AAT0-G0D4-900S-YARN
- **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** Lubricating oil
- **Uses advised against** No further relevant information available.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
IBS Scherer GmbH
Gewerbegebiet
D-55599 Gau-Bickelheim
www.ibs-scherer.de
Tel.: +49 6701 9383-0
email: info@ibs-scherer.de
- **Further information obtainable from:**
Tel.: +49 (0) 6701 / 93 83 - 0
Fax: +49 (0) 6701 / 93 83 -33
info@ibs-scherer.de
- **1.4 Emergency telephone number:**
Giftnotruf Mainz Tel.: +49 (0) 6131 /19 24 0 (24 h erreichbar, Beratung in Deutsch u. Englisch)

SECTION 2: Hazards identification

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



GHS02 flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS02

- **Signal word** Danger
- **Hazard-determining components of labelling:**
Kohlenwasserstoffe, C10-C13, n-Alkane, Isoalkane, Cyclene, <2% Aromaten
- **Hazard statements**
H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
- **Precautionary statements**
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.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- **Additional information:**
EUH066 Repeated exposure may cause skin dryness or cracking.
Buildup of explosive mixtures possible without sufficient ventilation.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:**
192268-65-8 reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives
- **vPvB:** Not applicable
- **Determination of endocrine-disrupting properties** No substances contained

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SECTION 3: Composition/information on ingredients

· **Description:** Cleansing agent· **Dangerous components:**

| | | |
|---|--|---------|
| EC number: 918-481-9 | Kohlenwasserstoffe, C10-C13, n-Alkane, Isoalkane, Cyclene, <2% Aromaten ⚠ Asp. Tox. 1, H304, EUH066 | 50-<75% |
| CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32-xxxx | butane, pure ⚠ Flam. Gas 1A, H220; Press. Gas (Comp.), H280 | 10-25% |
| CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21-xxxx | propane ⚠ Flam. Gas 1A, H220; Press. Gas (Comp.), H280 | 2,5-10% |
| CAS: 68411-46-1 EINECS: 270-128-1 Reg.nr.: 01-2119491299-23 | Benzolamin, N-Phenyl-, Reaktionsprodukte mit 2,4,4-Trimethylpenten ⚠ Repr. 2, H361f | ≤2,5% |
| CAS: 192268-65-8 ELINCS: 421-820-9 Index number: 607-501-00-9 Reg.nr.: 01-2119480426-35-xxxx | reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives ⚠ Repr. 2, H361d; Aquatic Chronic 4, H413 PBT | 0-≤2,5% |

· **SVHC**

192268-65-8 reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives

· **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

aliphatic hydrocarbons

≥30%

perfumes (VANILLIN)

SECTION 4: First aid measures

· **4.1 Description of first aid measures**· **General information:**

Immediately remove any clothing soiled by the product.

Personal protection for the First Aider.

· **After inhalation:** Supply fresh air.· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· **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**

Formation of toxic gases is possible during heating or in case of fire.

Can form explosive gas-air mixtures.

In case of fire, the following can be released:

Carbon monoxide (CO)

Nitrogen oxides (NO_x)· **5.3 Advice for firefighters**· **Protective equipment:** Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

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

Keep away from ignition sources.

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

· **6.2 Environmental precautions:**

Prevent from spreading (e.g. by damming-in or oil barriers).

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:**

Ensure adequate ventilation.

Dispose of the material collected according to regulations.

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Send for recovery or disposal in suitable receptacles.
Remove from the water surface (e.g. skim or suck off).
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.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
Store in cool, dry place in tightly closed receptacles.
Keep away from heat and direct sunlight.

Information about fire - and explosion protection:

Do not spray onto a naked flame or any incandescent material.
Protect against electrostatic charges.
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.

Handling:

Do not mix with:
Acid
Oxidising agents

7.2 Conditions for safe storage, including any incompatibilities**Storage:**

Requirements to be met by storerooms and receptacles: Prevent any seepage into the ground.

Information about storage in one common storage facility: Not required

Further information about storage conditions:

Protect from heat and direct sunlight.
Protect from frost.

Storage class: 2 B

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:**

Kohlenwasserstoffe, C10-C13, n-Alkane, Isoalkane, Cyclene, <2% Aromaten

| | |
|---------------|---|
| AGW (Germany) | Short-term value: 600 mg/m ³ Long-term value: 300 mg/m ³ |
|---------------|---|

106-97-8 butane, pure

| | |
|---------------|---|
| AGW (Germany) | Long-term value: 2400 mg/m ³ , 1000 ppm 4(II);DFG |
|---------------|---|

74-98-6 propane

| | |
|---------------|---|
| AGW (Germany) | Long-term value: 1800 mg/m ³ , 1000 ppm 4(II);DFG |
|---------------|---|

68411-46-1 Benzolamin, N-Phenyl-, Reaktionsprodukte mit 2,4,4-Trimethylpenten

| | |
|---------------|-------------------------|
| MAK (Germany) | vgl. Abschn. IIb und Xc |
|---------------|-------------------------|

DNELs**68411-46-1 Benzolamin, N-Phenyl-, Reaktionsprodukte mit 2,4,4-Trimethylpenten**

| | | |
|--------|-----------------------------|--------------------------|
| Dermal | DNEL - systemisch chronisch | 0,44 mg/kg (not defined) |
|--------|-----------------------------|--------------------------|

| | | |
|------------|-----------------------------|--------------------------------------|
| Inhalative | DNEL - systemisch chronisch | 0,31 mg/m ³ (not defined) |
|------------|-----------------------------|--------------------------------------|

192268-65-8 reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives

| | | |
|--------|-----------------------------|-------------------------|
| Dermal | DNEL - systemisch chronisch | 0,5 mg/kg (not defined) |
|--------|-----------------------------|-------------------------|

| | | |
|------------|-----------------------------|--------------------------------------|
| Inhalative | DNEL - systemisch chronisch | 1,76 mg/m ³ (not defined) |
|------------|-----------------------------|--------------------------------------|

PNECs**68411-46-1 Benzolamin, N-Phenyl-, Reaktionsprodukte mit 2,4,4-Trimethylpenten**

| | |
|----------------|--------------------------|
| PNEC Süßwasser | 0,034 mg/l (not defined) |
|----------------|--------------------------|

| | |
|-----------------|--------------------------|
| PNEC Meerwasser | 0,003 mg/l (not defined) |
|-----------------|--------------------------|

| | |
|-----------------|-----------------------|
| PNEC Kläranlage | 10 mg/l (not defined) |
|-----------------|-----------------------|

| | |
|------------------------|---------------------------|
| PNEC Süßwassersediment | 0,446 mg/kg (not defined) |
|------------------------|---------------------------|

| | |
|---------------------|---------------------------|
| PNEC Meeressediment | 0,045 mg/kg (not defined) |
|---------------------|---------------------------|

| | |
|------------|--------------------------|
| PNEC Boden | 17,6 mg/kg (not defined) |
|------------|--------------------------|

192268-65-8 reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives

| | |
|-----------------|-----------------------|
| PNEC Kläranlage | 32 mg/l (not defined) |
|-----------------|-----------------------|

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PNEC Süßwassersediment 2.250 mg/kg (not defined)

PNEC Meeressediment 225 mg/kg (not defined)

PNEC Boden 9,47 mg/kg (not defined)

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

• **8.2 Exposure controls**

• **Appropriate engineering controls** No further data; see section 7.

• **Individual protection measures, such as personal protective equipment**

• **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Avoid contact with the eyes and skin.

The usual precautionary measures are to be adhered to when handling chemicals.

Wash hands before breaks and at the end of work.

• **Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

Filter AX

• **Hand protection**



Protective gloves

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

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

• **Material of gloves**

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.

Nitrile rubber, NBR

Recommended thickness of the material: $\geq 0,35$ mm

• **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• **Eye/face protection** Goggles recommended during refilling

• **Environmental exposure controls**

Do not allow to enter surface water or sewage system.

Avoid penetration into the subsoil.

In case of contamination of water bodies or the sewage system, inform the responsible authorities.

In the event of penetration into the ground, inform the responsible authorities.

SECTION 9: Physical and chemical properties

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

• **General Information**

• **Physical state**

Aerosol

• **Colour:**

Yellow tint

• **Odour:**

Pleasant

• **Odour threshold:**

Not determined

• **Melting point/freezing point:**

Undetermined

• **Boiling point or initial boiling point and boiling range**

-44,5 °C (74-98-6 propane)

• **Flammability**

Not applicable

• **Lower and upper explosion limit**

• **Lower:**

Not determined

• **Upper:**

Not determined

• **Flash point:**

Not applicable, as aerosol

• **Auto-ignition temperature:**

287 °C (106-97-8 butane, pure)

• **Decomposition temperature:**

Not determined

• **pH**

Not determined

• **Viscosity:**

• **Kinematic viscosity**

Not determined

• **Dynamic:**

Not determined

• **Solubility**

• **water:**

Not determined

• **Partition coefficient n-octanol/water (log value)**

Not determined

• **Vapour pressure:**

Not determined

• **Density and/or relative density**

• **Density at 20 °C:**

~0,735 g/cm³

• **Relative density**

Not determined

• **Vapour density**

Not determined

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9.2 Other information**Appearance:****Form:** Aerosol**Important information on protection of health and environment, and on safety.****Ignition temperature:** Not determined**Explosive properties:** Not determined**Solvent content:****Organic solvents:** 82,2 %**Change in condition****Evaporation rate** Not applicable.**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**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.**10.3 Possibility of hazardous reactions** No dangerous reactions known.**10.4 Conditions to avoid**

Avoid excessive heating.

Open flames and high energy ignition sources.

10.5 Incompatible materials:

Oxidizing agent

Strong acids

10.6 Hazardous decomposition products: No dangerous decomposition products known.**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:****Kohlenwasserstoffe, C10-C13, n-Alkane, Isoalkane, Cyclene, <2% Aromaten**

Oral LD50 >15.000 mg/kg (rat) (OECD 401)

Dermal LD50 >2.000 mg/kg (rat) (OECD 402)

Inhalative LC50/4 h >5.000 mg/l (rat) (OECD 403)

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Oral LD50 >5.000 mg/kg (rat) (OECD 401)

Dermal LD50 >2.000 mg/kg (rat) (OECD 402)

192268-65-8 reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives

Oral LD50 >2.000 mg/kg (rat) (EU B.1)

Dermal LD50 >2.000 mg/kg (rat) (OECD 402)

Primary irritant effect:**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.

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- **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** 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:**

Kohlenwasserstoffe, C10-C13, n-Alkane, Isoalkane, Cyclene, <2% Aromaten

| | |
|--------------------------|--|
| biologische Abbaubarkeit | 89,8 % /28d (not defined) (OECD 301 F) |
| EC50 | >1.000 mg/l /72h (algae) (OECD 201) |
| EC50/48 h | >1.000 mg/l (daphnia) (OECD 202) |
| LC50/96 h | >1.000 mg/l (fish) (OECD 203) |

68411-46-1 Benzolamin, N-Phenyl-, Reaktionsprodukte mit 2,4,4-Trimethylpenten

| | |
|--------------------------|-------------------------------------|
| biologische Abbaubarkeit | 0 % /28d (not defined) (OECD 301 B) |
| EC50 | >100 mg/l /72h (algae) (OECD 201) |
| EC50/48 h | 51 mg/l (daphnia) (OECD 202) |
| LC50/96 h | >100 mg/l (fish) (OECD 203) |

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| | |
|--------------------------|-------------------------------------|
| biologische Abbaubarkeit | 0 % /28d (not defined) (OECD 301 D) |
| EC50 | >100 mg/l /72h (algae) (OECD 201) |
| NOEC | >100 mg/l /72h (Alg) (OECD 201) |
| EC50/48 h | >100 mg/l (daphnia) (OECD 202) |
| LC50/96 h | >100 mg/l (fish) (EU C.1) |
| NOELR | ≥5,5 mg/l (daphnia) (OECD 211) |

- **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:**

192268-65-8 reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives

- **vPvB:** Not applicable

- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.

- **12.7 Other adverse effects**

- **Additional ecological information:**

- **General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **Waste disposal key:**

Die Abfallschlüsselnummer nach der Abfallverzeichnis-Verordnung (AVV) ist abhängig vom Abfallerzeuger und kann dadurch für ein Produkt unterschiedlich sein. Die Abfallschlüsselnummer ist daher von jedem Abfallerzeuger gesondert zu ermitteln.

- **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 |
| · IMDG | AEROSOLS |
| · IATA | AEROSOLS, flammable |

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· 14.3 Transport hazard class(es)

· ADR



· Class 2 5F Gases.
· Label 2.1

· IMDG, IATA



· Class 2.1 Gases.
· Label 2.1

· 14.4 Packing group

· ADR, IMDG, IATA Void

· 14.5 Environmental hazards:

· Marine pollutant: No

· 14.6 Special precautions for user

· Hazard identification number (Kemler code):

· EMS Number:

· Stowage Code

· Segregation Code

Warning: Gases.

-

F-D, S-U

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.

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 Maritime transport in bulk according to IMO instruments

Not applicable

· Transport/Additional information:

· ADR

· Limited quantities (LQ)

· Excepted quantities (EQ)

1L

Code: E0

Not permitted as Excepted Quantity

· Transport category

2

· Tunnel restriction code

D

· IMDG

· Limited quantities (LQ)

· Excepted quantities (EQ)

1L

Code: E0

Not permitted as Excepted Quantity

· UN "Model Regulation":

UN 1950 AEROSOLS, 2.1

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

· REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)

None of the ingredients is listed.

· LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)

None of the ingredients is listed.

· REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

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· **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.

· **Technical instructions (air):**

| Class | Share in % |
|-------|------------|
| NK | 50-100 |

· **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

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· **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.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H361d Suspected of damaging the unborn child.

H361f Suspected of damaging fertility.

H413 May cause long lasting harmful effects to aquatic life.

EUH066 Repeated exposure may cause skin dryness or cracking.

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

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

· **Version number of previous version: 4**

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1A: Flammable gases – Category 1A

Aerosol 1: Aerosols – Category 1

Press. Gas (Comp.): Gases under pressure – Compressed gas

Repr. 2: Reproductive toxicity – Category 2

Repr. 2: Reproductive toxicity – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

· **Sources**

Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures.

Regulation (EC) No. 1907/2006 (REACH).

Transport of dangerous goods by road, rail or inland waterway (ADR/RID/ADN).

International Maritime Dangerous Goods Code (IMDG).

Dangerous Goods Regulations (DGR) for the air transport (IATA) (regulations for the transport of dangerous goods by air).