

SAFETY DATA SHEET

01039-0060

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

50 060 - Varnish remover

| | | | |
|--------------------|----------------|--------------------|----------|
| Article No. | 50060 | Issue date: | 08.12.20 |
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name 50 060 - Varnish remover
Name INCI
Name Ph. Eur.
REACH registration No.
UFI UFI: 9VMF-C4EQ-600H-X8PK

1.2 Relevant identified uses of the substance or mixture and uses advised against**General use**

Products for creation of art.

Uses advised against**1.3 Details of the supplier of the safety data sheet**

H. Schmincke & Co. GmbH & Co. KG
 Otto-Hahn-Strasse 2
 D-40699 Erkrath
 Tel +49 (0) 211 - 2509 - 0
 Fax +49 (0) 211 - 2509 - 479
 info@schmincke.de
 www.schmincke.de
 Schmincke-lab:
 mo-th 8.00-16.30, fr 8.00-13.30
 tel. +49 (0) 211-2509-474
 labor@schmincke.de

1.4 Emergency telephone number

**Emergency
Information**

**Emergencycall Berlin
+49 30-30686700
(24/7 counseling in german and english)**

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture**Classification according to EC regulation 1272/2008 (CLP)**

Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.
 Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.
 Eye Irrit. 2; H319 Causes serious eye irritation.
 Flam. Liq. 2; H225 Highly flammable liquid and vapour.
 STOT SE 3; H335 May cause respiratory irritation.
 STOT SE 3; H336 May cause drowsiness or dizziness.

2.2 Label elements**Labelling****Signal word**

Danger

Hazard statements

H225 Highly flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways.
 H319 Causes serious eye irritation.

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H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

Safety precautions

P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing vapours.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing and eye/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor..
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/or shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Hazard components for labelling**Text for labelling (CLP)**

Repeated exposure may cause skin dryness or cracking. (EUH066)

2.3 Other hazards**SECTION 3: Composition / information on ingredients****3.1 Substances****Chemical characterisation**

Alcohol
White spirit
ketone
natural oils
CAS-Number
EINECS / ELINCS / NLP
EU index number
Customs tariff number
REACH registration No.
RTECS-no.
Hazchem-Code
CI-Number

3.2 Mixtures**Substance 1**

acetone: 20 - 30 %
CAS: 67-64-1
REACH: 01-2119471330-49-xxxx
-; EUH066 / Eye Irrit. 2; H319 / Flam. Liq. 2; H225 /

Substance 3

ethanol: 10 - 20 %
CAS: 64-17-5
REACH: 01-2119457610-43-XXXX
Eye Irrit. 2; H319 / Flam. Liq. 2; H225

Substance 2

propan-2-ol: 20 - 30 %
CAS: 67-63-0
REACH: 01-2119457558-25
Eye Irrit. 2; H319 / Flam. Liq. 2; H225 / STOT SE 3;
H336

Substance 4

solvent naphtha (petroleum), light, aromatic: 10 - <20 %
CAS: 64742-95-6
REACH: 01-2119455851-35
Aquatic Chronic 2; H411 / Asp. Tox. 1; H304 / -; EUH066
/ Flam. Liq. 3; H226 / STOT SE 3; H335 / STOT SE 3;
H336

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Substance 5

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4-hydroxy-4-methylpentan-2-one: 5 - <10 %
CAS: 123-42-2
REACH: 01-2119473975-21-XXXX
Eye Irrit. 2; H319 / Flam. Liq. 3; H226 / STOT SE 3;
H335

Additional information

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

If you feel unwell, seek medical advice (show the label where possible).

In case of inhalation

Provide fresh air. Seek medical attention if problems persist.

In case of skin contact

Remove residues with soap and water. In case of skin irritation, consult a physician.

After eye contact

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 10 - 15 minutes. Seek medical attention if irritation persists.

After swallowing

Rinse mouth with water. Do NOT induce vomiting. Immediately get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

Caution if victim vomits: Risk of aspiration!

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

Extinguishing media which must not be used for safety reasons

strong water jet

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide and carbon dioxide

5.3 Advice for firefighters

Special protective equipment for firefighters

Use appropriate respiratory protection.

Additional information

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes, and clothing.

6.2 environmental precautions

Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up

Collect spilled material using paper towels and dispose.

Additional information

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6.4 Reference to other sections

Dispose of waste according to applicable legislation.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Advices on safe handling**

Handle in accordance with good industrial hygiene and safety practice.

Precautions against fire and explosion

No special measures are required.

7.2 Conditions for safe storage, including any incompatibilities**Requirements for storerooms and containers****Hints on joint storage****Storage class****Further details**

Protect from frost and exposure to sun.

7.3 Specific end use(s)**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

67-64-1 acetone

| | | | | | |
|-----|-----|--|-----------|-------------------|------------------------|
| DEU | WEL | | 500,000 | mL/m ³ | - |
| DEU | WEL | | 1.200,000 | mg/m ³ | 2 (I); AGS, DFG, EU; Y |

67-63-0 propan-2-ol

| | | | | | |
|-----|-----|--|---------|-------------------|----------------|
| DEU | WEL | | 200,000 | mL/m ³ | - |
| DEU | WEL | | 380,000 | mg/m ³ | 4 (II); DFG; Y |

64-17-5 ethanol

| | | | | | |
|-----|----------|--|-----------|-------------------|----------------|
| DEU | WEL | | 200,000 | mL/m ³ | - |
| DEU | WEL | | 380,000 | mg/m ³ | 2 (II); DGF; Y |
| USA | PEL (US) | | 1.000,000 | ppm | 8h (long term) |
| USA | PEL (US) | | 1.900,000 | mg/m ³ | 8h (long term) |

64742-95-6 solvent naphtha (petroleum), light, aromatic

| | | | | | |
|-----|-----|--|--------|-------------------|-------------|
| DEU | WEL | | 50,000 | mg/m ³ | 2 (II); AGS |
|-----|-----|--|--------|-------------------|-------------|

123-42-2 4-hydroxy-4-methylpentan-2-one

| | | | | | |
|-----|--------------|--|--------|--------------------|---------------|
| CAN | not required | | 50,000 | mL/m ³ | (8h) |
| CHE | not required | | 20,000 | mL/m ³ | (8h) |
| DEU | WEL | | 20,000 | mL/m ³ | - |
| DEU | WEL | | 96,000 | mg/dm ³ | 2 (I); DFG, H |

DNEL overview

67-64-1 acetone

| | | | |
|------------|---------------|------------|-------------------|
| oral | DNEL Consumer | 62,00000 | mg/kg |
| inhalative | DNEL worker | 1210,00000 | mg/m ³ |
| inhalative | DNEL worker | 2420,00000 | mg/m ³ |
| inhalative | DNEL Consumer | 200,00000 | mg/m ³ |
| dermal | DNEL worker | 186,00000 | mg/kg |

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| | | | |
|--------|---------------|----------|-------|
| dermal | DNEL Consumer | 62,00000 | mg/kg |
|--------|---------------|----------|-------|

DNEL overview**67-63-0 propan-2-ol**

| | | | |
|---------------|--------------------------------|-----------|-------------------|
| DNEL worker | Long-term - inhalation, system | 950,00000 | mg/m ³ |
| DNEL worker | Long-term - dermal, systemic e | 343,00000 | mg/kg bw/day |
| DNEL Consumer | Long-term - oral, systemic eff | 87,00000 | mg/kg bw/day |
| DNEL Consumer | Long-term - inhalation, system | 114,00000 | mg/m ³ |
| DNEL Consumer | Long-term - dermal, systemic e | 206,00000 | mg/kg bw/day |

DNEL overview**64-17-5 ethanol**

| | | | |
|---------------|--------------------------------|-----------|-------------------|
| DNEL worker | Long-term - inhalation, system | 950,00000 | mg/m ³ |
| DNEL worker | Long-term - dermal, systemic e | 343,00000 | mg/kg |
| DNEL Consumer | Long-term - oral, systemic eff | 87,00000 | mg/kg |
| DNEL Consumer | Long-term - inhalation, system | 114,00000 | mg/m ³ |
| DNEL Consumer | Long-term - dermal, systemic e | 206,00000 | mg/kg |

DNEL overview**64742-95-6 solvent naphtha (petroleum), light, aromatic**

| | | | |
|---------------|--------------------------------|-----------|-------------------|
| DNEL worker | Long-term - inhalation, system | 150,00000 | mg/m ³ |
| DNEL worker | Long-term - dermal, local effe | 25,00000 | mg/kg bw/day |
| DNEL Consumer | Long-term - oral, systemic eff | 11,00000 | mg/kg bw/day |
| DNEL Consumer | Long-term - inhalation, system | 32,00000 | mg/m ³ |
| DNEL Consumer | Long-term - dermal, systemic e | 11,00000 | mg/kg bw/day |

DNEL overview**123-42-2 4-hydroxy-4-methylpentan-2-one**

| | | | |
|-------------|--------------------------------|-----------|-------------------|
| oral | DNEL Consumer | 1,67000 | mg/kg |
| inhalative | DNEL worker | 32,60000 | mg/m ³ |
| inhalative | DNEL worker | 240,00000 | mg/m ³ |
| inhalative | DNEL Consumer | 5,80000 | mg/m ³ |
| dermal | DNEL worker | 467,00000 | mg/kg |
| dermal | DNEL Consumer | 167,00000 | mg/kg |
| DNEL worker | Long-term - dermal, systemic e | 0,00000 | |

PNEC overview**67-64-1 acetone**

| | | |
|--------------|-----------|-------|
| not required | 29,50000 | mg/kg |
| not required | 10,60000 | mg/L |
| not required | 1,06000 | mg/L |
| not required | 30,40000 | mg/kg |
| not required | 3,04000 | mg/kg |
| not required | 100,00000 | mg/L |

PNEC overview**67-63-0 propan-2-ol**

| | | |
|--------------------------------|-----------|-------|
| PNEC soil | 0,63000 | mg/kg |
| PNEC aquatic, freshwater | 0,96000 | mg/L |
| PNEC aquatic, marine water | 0,79000 | mg/L |
| PNEC soil, freshwater | 3,60000 | mg/kg |
| PNEC soil, marine water | 2,90000 | mg/kg |
| PNEC sewage treatment plant (S | 580,00000 | mg/L |

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PNEC overview

64-17-5 ethanol

| | | |
|--------------------------------|-----------|-------|
| PNEC soil | 0,63000 | mg/kg |
| PNEC aquatic, freshwater | 0,96000 | mg/L |
| PNEC aquatic, marine water | 0,79000 | mg/L |
| PNEC soil, freshwater | 3,60000 | mg/kg |
| PNEC soil, marine water | 2,90000 | mg/kg |
| PNEC sewage treatment plant (S | 580,00000 | mg/L |

PNEC overview

123-42-2 4-hydroxy-4-methylpentan-2-one

| | | |
|--------------|----------|-------|
| not required | 0,63000 | mg/kg |
| not required | 2,00000 | mg/L |
| not required | 0,20000 | mg/L |
| not required | 9,06000 | mg/kg |
| not required | 0,90600 | mg/kg |
| not required | 10,00000 | mg/L |

8.2 Exposure controls**Occupational exposure controls****Respiratory protection**

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection must be worn whenever the WEL levels have been exceeded.

Combination filtering device (EN 14387) Use filter type A (= against vapours of organic substances)

Hand protection

Qualified materials: Butyl caoutchouc (butyl rubber)

Layer thickness > 1,5 mm

Breakthrough time > 10 min

Butoflex 650 - MAPA GmbH, Industriestraße 21- 25, D-27404 Zeven, Internet: www.mapa-pro.de

All information was derived in accordance with EU directive 89/686/EEG and the resultant EN 374 in cooperation with MAPA GmbH. This recommendation applies exclusively to the product and use named in Section 1. In the event of commingling or deviating conditions, contact the suppliers of CE-approved gloves. This information is based on our current state of knowledge and describes the security standards applicable to our product for the purpose provided.

Eye protection

Goggles

Body protection

Wear suitable protective clothing. Wash contaminated clothing prior to re-use.

General protection and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling.

SECTION 9: Physical and chemical properties**9.1 information on basic physical and chemical properties**

| | |
|---------------|----------|
| Form | liquid |
| Colour | clear |
| Odour | solvents |

| | | |
|--|------------|------------|
| | min | max |
| Initial boiling point and boiling range | > 60 °C | |
| Melting point/freezing point | | |
| Flash point/flash point range | 5 °C | 10 °C |
| Flammability | | |

~~Ignition temperature~~~~Autoignition temperature~~**Explosion limits**

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Refraction index

PH

Viscosity

Viscosity

0

0

0

Vapour pressure

Density

Partition coefficient: n-octanol/water

0,82 g/ml

20 °C

Danger of explosion

9.2 Other information**SECTION 10: Stability and reactivity****10.1 Reactivity**

Product is stable under normal storage conditions.

10.2 Chemical stability**10.3 Possibility of hazardous reactions****10.4 Conditions to avoid**

Protect from frost and exposure to sun.

10.5 Incompatible materials

strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous vapours may form during fires.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Toxicological tests**

67-64-1

acetone

| | | | | | | |
|------------|------|-----|---|-------------|-------|------|
| oral | LD50 | Rat | | 5800,00000 | mg/kg | - |
| inhalative | LC50 | Rat | > | 20,00000 | mg/L | (4h) |
| dermal | LD50 | Rat | | 20000,00000 | mg/kg | - |

Toxicological tests

67-63-0

propan-2-ol

| | | | | | | |
|------------|------|--------|----|------------|-------|------|
| oral | LD50 | Rat | >= | 5000,00000 | mg/kg | - |
| inhalative | LC50 | Rat | | 51,00000 | mg/L | (4h) |
| dermal | LD50 | Rabbit | > | 1000,00000 | mg/kg | - |

Toxicological tests

64-17-5

ethanol

| | | | | | | |
|------------|------|--------|---|-------------|-------|------|
| oral | LD50 | Rat | | 10470,00000 | mg/kg | - |
| inhalative | LC50 | Rat | | 38,00000 | mg/L | (4h) |
| inhalative | LC50 | Mouse | > | 20,00000 | mg/L | (4h) |
| dermal | LD50 | Rabbit | > | 2000,00000 | mg/kg | - |

Toxicological tests

64742-95-6

solvent naphtha (petroleum), light, aromatic

| | | | | | | |
|------------|------|-----|---|------------|-------|------|
| oral | LD50 | Rat | > | 2000,00000 | mg/kg | - |
| inhalative | LC50 | Rat | > | 10,20000 | mg/L | (4h) |
| dermal | LD50 | Rat | > | 2000,00000 | mg/kg | - |

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Toxicological tests

123-42-2 4-hydroxy-4-methylpentan-2-one

| | | | | | | |
|--------|------|--------|---|------------|-------|---|
| oral | LD50 | Rat | > | 2000,00000 | mg/kg | - |
| dermal | LD50 | Rabbit | > | 5000,00000 | U/mg | - |

Acute toxicity

No data available

In case of inhalation

No data available

After swallowing

No data available

In case of skin contact

No data available

After eye contact

No data available

Practical experience**General remarks****SECTION 12: Ecological information****12.1 Toxicity****Ecotoxicological effects**

67-64-1 acetone

| | | | | | |
|-------|--------------------------------|---|-----------|------|-------|
| LC50 | Algae | > | 100,00000 | mg/L | (96h) |
| EC50 | Daphnia magna (Big water flea) | > | 100,00000 | mg/L | (48h) |
| IC50: | fish | > | 100,00000 | mg/L | (96h) |

Ecotoxicological effects

67-63-0 propan-2-ol

| | | | | | |
|------|--------------------------------|---|-------------|------|-------|
| LC50 | Leuciscus idus | | 8400,00000 | mg/L | (48h) |
| EC50 | Chlorella vulgaris | | 275,00000 | mg/L | (96h) |
| EC50 | Daphnia magna (Big water flea) | > | 10000,00000 | mg/L | (48h) |

Ecotoxicological effects

64-17-5 ethanol

| | | | | | |
|------|--------------------|---|-------------|------|-------|
| LC50 | Leuciscus idus | | 8140,00000 | mg/L | 48h |
| EC50 | Chlorella vulgaris | | 275,00000 | mg/L | (72h) |
| EC50 | Daphnia magna | > | 10000,00000 | mg/L | 48h |

Ecotoxicological effects

64742-95-6 solvent naphtha (petroleum), light, aromatic

| | | | | | |
|------|--------------------------------|---|---------|------|-------|
| LC50 | fish | | 9,20000 | mg/L | (96h) |
| EC50 | Algae | > | 2,60000 | mg/L | (72h) |
| EC50 | Daphnia magna (Big water flea) | | 3,20000 | mg/L | (48h) |

Ecotoxicological effects

123-42-2 4-hydroxy-4-methylpentan-2-one

| | | | | | |
|------|--------------------------------|---|-----------|------|-------|
| LC50 | fish | > | 100,00000 | mg/L | (96h) |
| EC50 | Algae | > | 100,00000 | mg/L | (72h) |
| EC50 | Daphnia magna (Big water flea) | > | 100,00000 | mg/L | (48h) |

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Aquatic toxicity

No data available

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Water Hazard Class 2
WGK catalog number
General information

12.2 Persistence and degradability

Further details
 Product is partially biodegradable.
Oxygen demand

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)
Partition coefficient: n-octanol/water

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects**General information****SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Waste key number
 080111 080111* waste paint and varnish containing organic solvents or other dangerous substances
Recommendation

Contaminated packaging

Waste key number
Recommendation
 Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

Additional information**SECTION 14: Transport information****14.1 UN number**

1263

14.2 UN proper shipping name

ADR, ADN Paint related material
IMDG, IATA PAINT or PAINT RELATED MATERIAL

14.3 Transport hazard class(es)

ADR, ADN 3
IMDG 3
IATA 3

14.4 Packing group

II

14.5 Environmental hazards

Marine Pollutant - IMDG No
Marine Pollutant - ADN

14.6 Special precautions for user

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Land transport (ADR/RID)

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| | |
|---|------------------------|
| Code: ADR/RID | F1 |
| Kemmler-number | 33 |
| Hazard label ADR | 3 |
| Limited quantities | 5L |
| Contaminated packaging: Instructions | P001 - IBC02 - R001 |
| Contaminated packaging: Special provisions | PP1 |
| Special provisions for packing together | MP19 |
| Portable tanks: Instructions | T4 |
| Portable tanks: Special provisions | TP1 - TP8 - TP28 |
| Tank coding | LGBF |
| Tunnel restriction | D/E |
| Remarks | |
| EQ | E2 |
| Special provisions | 163 - 367 - 640D - 650 |

Sea transport (IMDG)

| | |
|---|------------------|
| EmS | F-E, S-E |
| Special provisions | 163 - 367 |
| Limited quantities | 5L |
| Contaminated packaging: Instructions | P001 |
| Contaminated packaging: Special provisions | PP1 |
| IBC: Instructions | IBC02 |
| IBC: Provisions | - |
| Tank instructions IMO | - |
| Tank instructions UN | T4 |
| Tank instructions Special provisions | TP1 - TP8 - TP28 |
| Stowage and segregation | category B |
| Properties and observations | |
| Remarks | |
| EQ | E2 |

Air transport (IATA-DGR)

| | |
|-----------------------------|------------------|
| Hazard | Flammable Liquid |
| Passenger | 353 (5L) |
| Passenger LQ | Y341 (1L) |
| Cargo | 364 (60L) |
| ERG | 3L |
| Remarks | |
| EQ | E2 |
| Special Provisioning | A72 |

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****Europe**

Contents of VOC [%]
Contents of VOC
[g/L]
Further regulations, limitations and legal requirements

GermanyItem **Storage class** 01039-0200

Water Hazard Class 2
WGK catalog number

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Incident regulation
Information on working limitations
Further regulations, limitations and legal requirements

Denmark

Further regulations, limitations and legal requirements

Hungary

Further regulations, limitations and legal requirements

Great Britain

Further regulations, limitations and legal requirements

Switzerland

Contents of VOC [%]
 ~ 82 %
Further regulations, limitations and legal requirements

USA

Further regulations, limitations and legal requirements
Federal Regulations
State Regulations

Canada

Further regulations, limitations and legal requirements

15.2 Chemical Safety Assessment**SECTION 16: Other information****Further information**

| | |
|--------------------------------|---|
| Hazard statements (CLP) | H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H372 Causes damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. |
|--------------------------------|---|

Further information

This information is based on our current state of knowledge and describes the security standards applicable to our product for the purpose provided. The information provided here does not constitute a legally binding warranty of specific characteristics or of suitability for a specific application use of the product is thus to be adapted to the user's special conditions and checked by preliminary tests. We are thus unable to guarantee product characteristics or accept an liability for damage arising in connection with the use of our products.

Literature

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Reason of change**Additional information**

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~~The information in this data sheet has been established to our best knowledge and was up to date at time of revision.
It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.~~