

Trade name: masteroil Benzin Systemreiniger**Product no.:** 1118**Current version :** 2.0.0, issued: 08.05.2024**Replaced version:** 1.0.1, issued: 21.04.2022**Region:** IE**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****masteroil Benzin Systemreiniger****UFI:****0NU5-A06G-Y007-SQK5****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Additive for mineral oil products

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet**Address**Masteroil GmbH
Stockholmer Allee 30 b
44269 DortmundTelephone no. 0231 444 247 64
e-mail info@masteroil.com**Advice on Safety Data Sheet**

sdb_info@umco.de

1.4 Emergency telephone number

+353 1 809 2166 (National Poisons Information Centre)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Aquatic Chronic 3; H412

Asp. Tox. 1; H304

Skin Sens. 1; H317

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

GHS07



GHS08

Signal word

Danger

Hazardous component(s) to be indicated on label:

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

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(tetrapropenyl)succinic acid**Hazard statement(s)**

H304 May be fatal if swallowed and enters airways.
 H317 May cause an allergic skin reaction.
 H412 Harmful to aquatic life with long lasting effects.

Hazard statements (EU)

EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statement(s)

P280 Wear protective gloves/eye protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P331 Do NOT induce vomiting.

UFI:

0NU5-A06G-Y007-SQK5

2.3 Other hazardsPBT assessment
No data available.vPvB assessment
No data available.**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable. The product is not a substance.

3.2 Mixtures**Hazardous ingredients**

| No | Substance name | | Additional information | |
|----|--|---|------------------------|-----|
| | CAS / EC / Index / REACH no | Classification (EC) 1272/2008 (CLP) | Concentration | % |
| 1 | Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) | | | |
| | - 925-653-7 - 01-2119458869-15 | EUH066 Asp. Tox. 1; H304 Aquatic Chronic 3; H412 | >= 25,00 - < 50,00 | wt% |
| 2 | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) | | | |
| | - 920-360-0 - 01-2119448343-41 | Asp. Tox. 1; H304 EUH066 | >= 25,00 - < 50,00 | wt% |
| 3 | SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC | | | |
| | 64742-94-5 265-198-5 649-424-00-3 - | Aquatic Chronic 2; H411 Asp. Tox. 1; H304 EUH066 STOT SE 3; H336 | >= 5,00 - < 10,00 | wt% |
| 4 | Polyether polyol | | | |
| | - - - - | Aquatic Chronic 3; H412 | >= 5,00 - < 10,00 | wt% |
| 5 | Polyolefin alkyl phenol alkyl amine | | | |

**Trade name:** masteroil Benzin Systemreiniger**Product no.:** 1118**Current version :** 2.0.0, issued: 08.05.2024**Replaced version:** 1.0.1, issued: 21.04.2022**Region:** IE

| | | | | |
|---|---|--|-------------------|-----|
| | - - - - | Skin Irrit. 2; H315 | >= 5,00 - < 10,00 | wt% |
| 6 | 1,2,4-trimethylbenzene | | | |
| | 95-63-6 202-436-9 601-043-00-3 - | Acute Tox. 4*; H332 Aquatic Chronic 2; H411 Eye Irrit. 2; H319 Flam. Liq. 3; H226 Skin Irrit. 2; H315 STOT SE 3; H335 | < 2,50 | wt% |
| 7 | naphthalene | | | |
| | 91-20-3 202-049-5 601-052-00-2 - | Acute Tox. 4*; H302 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Carc. 2; H351 | < 1,00 | wt% |
| 8 | (tetrapropenyl)succinic acid | | | |
| | 27859-58-1 248-698-8 - - | Aquatic Chronic 4; H413 Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1A; H317 | < 0,50 | wt% |

Full Text for all H-phrases and EUH-phrases: pls. see section 16

(*, **, ***, ****) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

| Acute toxicity estimate (ATE) values | | | |
|--------------------------------------|----------------------|--------|------------|
| No | oral | dermal | inhalative |
| 7 | 533 mg/kg bodyweight | | |

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. If the patient is likely to become unconscious, place and transport in stable sideways position. In case of persisting adverse effects, consult a physician.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

In case of contact with skin wash off immediately with soap and water.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

After ingestion

Do not induce vomiting - aspiration hazard. Rinse the mouth thoroughly with water. Never give anything by mouth to an unconscious person. If individual is drowsy or unconscious, place in recovery position (on left side, with head down).

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray jet; Foam; Carbon dioxide; Extinguishing powder

Trade name: masteroil Benzin Systemreiniger**Product no.:** 1118**Current version :** 2.0.0, issued: 08.05.2024**Replaced version:** 1.0.1, issued: 21.04.2022**Region:** IE**Unsuitable extinguishing media**

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon dioxide (CO₂); Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back.

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Cool endangered containers with water spray jet. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Keep away from ignition sources.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When collected, handle material as described under the section heading "Disposal considerations".

6.4 Reference to other sections

No data available.

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

Provide good ventilation at the work area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Keep container tightly closed in a cool, well-ventilated place.

Recommended storage temperature

Value < 50 °C

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Keep only in the original container. Protect from heat and direct sunlight.

Incompatible products

Do not store together with: Acids; Alkalies; oxidizing agents

7.3 Specific end use(s)

**Trade name:** masteroil Benzin Systemreiniger**Product no.:** 1118**Current version :** 2.0.0, issued: 08.05.2024**Replaced version:** 1.0.1, issued: 21.04.2022**Region:** IE

No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limit values**

| No | Substance name | CAS no. | EC no. |
|----|--|-----------------------|------------------|
| 1 | 1,2,4-trimethylbenzene | 95-63-6 | 202-436-9 |
| | 2000/39/EC | | |
| | 1,2,4-Trimethylbenzene | | |
| | WEL long-term (8-hr TWA reference period) | 100 mg/m ³ | 20 ppm |
| | List of Chemical Agents and Occupational Exposure Limit Values (Code of Practice) | | |
| | 1,2,4-Trimethylbenzene | | |
| | WEL long-term (8-hr TWA reference period) | 100 mg/m ³ | 20 ppm |
| | Comments | IOELV | |
| 2 | naphthalene | 91-20-3 | 202-049-5 |
| | 91/322/EWG | | |
| | Naphtalene | | |
| | WEL long-term (8-hr TWA reference period) | 50 mg/m ³ | 10 ppm |
| | List of Chemical Agents and Occupational Exposure Limit Values (Code of Practice) | | |
| | Naphtalene | | |
| | WEL long-term (8-hr TWA reference period) | 50 mg/m ³ | 10 ppm |
| | Comments | IOELV | |

8.2 Exposure controls**Appropriate engineering controls**

No data available.

Personal protective equipment**Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol, vapour and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. combination filter

Respirator EN14387-A

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material In case of short-term contact / splash protection: PVC

Material thickness 0,8 mm

Breakthrough time 4 h

Other

Normal chemical work clothing.

Appropriate Material cotton

Environmental exposure controls

No data available.

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



Trade name: masteroil Benzin Systemreiniger

Product no.: 1118

Current version : 2.0.0, issued: 08.05.2024

Replaced version: 1.0.1, issued: 21.04.2022

Region: IE

| | | | |
|--|-----------|------|--------------------|
| State of aggregation | | | |
| liquid | | | |
| Form | | | |
| liquid | | | |
| Colour | | | |
| Various, depending on coloration | | | |
| Odour | | | |
| No data available | | | |
| pH value | | | |
| No data available | | | |
| Boiling point / boiling range | | | |
| Value | > | 160 | °C |
| Melting point/freezing point | | | |
| No data available | | | |
| Decomposition temperature | | | |
| No data available | | | |
| Flash point | | | |
| Value | > | 61 | °C |
| Ignition temperature | | | |
| No data available | | | |
| Flammability | | | |
| No data available | | | |
| Lower explosion limit | | | |
| No data available | | | |
| Upper explosion limit | | | |
| No data available | | | |
| Vapour pressure | | | |
| No data available | | | |
| Relative vapour density | | | |
| No data available | | | |
| Relative density | | | |
| No data available | | | |
| Density | | | |
| No data available | | | |
| Solubility | | | |
| No data available | | | |
| Partition coefficient n-octanol/water (log value) | | | |
| No data available | | | |
| Kinematic viscosity | | | |
| Value | < | 20,5 | mm ² /s |
| Reference temperature | | 40 | °C |
| Type | kinematic | | |
| Particle characteristics | | | |
| No data available | | | |

9.2 Other information

| |
|--------------------------|
| Other information |
|--------------------------|

**Trade name:** masteroil Benzin Systemreiniger**Product no.:** 1118**Current version :** 2.0.0, issued: 08.05.2024**Replaced version:** 1.0.1, issued: 21.04.2022**Region:** IE

No data available.

SECTION 10: Stability and reactivity**10.1 Reactivity**

Dangerous reactions are not expected if the product is handled according to its intended use.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

| Acute oral toxicity | | | |
|---------------------|---|---------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) | - | 920-360-0 |
| LD50 | > | 4150 | mg/kg bodyweight |
| Species | rat | | |
| Method | OECD 423 | | |
| Source | ECHA | | |
| 2 | naphthalene | 91-20-3 | 202-049-5 |
| LD50 | > | 533 | mg/kg bodyweight |
| Species | rat | | |
| Source | ECHA | | |

| Acute dermal toxicity | | | |
|-----------------------|---|---------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) | - | 920-360-0 |
| LD50 | > | 2000 | mg/kg bodyweight |
| Species | rabbit | | |
| Method | OECD 402 | | |
| Source | ECHA / Read across | | |

| Acute inhalational toxicity (result of the ATE calculation for the mixture) | |
|---|---|
| No | Product Name |
| 1 | masteroil Benzin Systemreiniger |
| Comments | The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE for inhalation: > 20.000 ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists). |

| Acute inhalational toxicity | | | |
|-----------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) | - | 920-360-0 |

**Trade name:** masteroil Benzin Systemreiniger**Product no.:** 1118**Current version :** 2.0.0, issued: 08.05.2024**Replaced version:** 1.0.1, issued: 21.04.2022**Region:** IE

| | | | |
|---------------------------|---|------|------|
| LC50 | > | 5,28 | mg/l |
| Duration of exposure | | 4 | h |
| State of aggregation | Vapour | | |
| Species | rat | | |
| Method | OECD 403 | | |
| Source | ECHA / Read across | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| Skin corrosion/irritation | | | |
|---------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) | - | 920-360-0 |
| Species | rabbit | | |
| Method | OECD 404 | | |
| Source | ECHA / Read across | | |
| Evaluation | non-irritant | | |
| Evaluation/classification | Based on available data, the classification criteria are met. | | |

| Serious eye damage/irritation | | | |
|-------------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) | - | 920-360-0 |
| Species | rabbit | | |
| Method | OECD 405 | | |
| Source | ECHA / Read across | | |
| Evaluation | non-irritant | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| Respiratory or skin sensitisation | | | |
|-----------------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) | - | 920-360-0 |
| Route of exposure | Skin | | |
| Species | guinea pig | | |
| Method | OECD 406 | | |
| Source | ECHA / Read across | | |
| Evaluation | non-sensitizing | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| Germ cell mutagenicity | | | |
|---------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) | - | 920-360-0 |
| Source | ECHA / Read across | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| Reproduction toxicity | | | |
|---------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) | - | 920-360-0 |
| Source | ECHA / Read across | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| Carcinogenicity | | | |
|---------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) | - | 920-360-0 |
| Source | ECHA / Read across | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| STOT - single exposure | | | |
|------------------------|--|--|--|
|------------------------|--|--|--|

**Trade name:** masteroil Benzin Systemreiniger**Product no.:** 1118**Current version :** 2.0.0, issued: 08.05.2024**Replaced version:** 1.0.1, issued: 21.04.2022**Region:** IE

No data available

STOT - repeated exposure

| No | Substance name | CAS no. | EC no. |
|----|---|---------|-----------|
| 1 | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) | - | 920-360-0 |

| | |
|---------------------------|---|
| Source | ECHA / Read across |
| Evaluation/classification | Based on available data, the classification criteria are not met. |

Aspiration hazard

No data available

11.2 Information on other hazards**Endocrine disrupting properties**

No data available.

Other information

No data available.

SECTION 12: Ecological information**12.1 Toxicity**

| |
|---------------------------------|
| Toxicity to fish (acute) |
| No data available |

| |
|-----------------------------------|
| Toxicity to fish (chronic) |
| No data available |

| |
|------------------------------------|
| Toxicity to Daphnia (acute) |
| No data available |

| |
|--------------------------------------|
| Toxicity to Daphnia (chronic) |
| No data available |

| |
|----------------------------------|
| Toxicity to algae (acute) |
| No data available |

| |
|------------------------------------|
| Toxicity to algae (chronic) |
| No data available |

| |
|--------------------------|
| Bacteria toxicity |
| No data available |

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

| | |
|---|--------------------|
| Results of PBT and vPvB assessment | |
| PBT assessment | No data available. |
| vPvB assessment | No data available. |

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

**Trade name:** masteroil Benzin Systemreiniger**Product no.:** 1118**Current version :** 2.0.0, issued: 08.05.2024**Replaced version:** 1.0.1, issued: 21.04.2022**Region:** IE**12.8 Other information****Other information**

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information**14.1 UN number or ID number**

Not classified as dangerous in the meaning of transport regulations.

14.2 UN proper shipping name

Not classified as dangerous in the meaning of transport regulations.

14.3 Transport hazard class(es)

Not classified as dangerous in the meaning of transport regulations.

14.4 Packing group

Not classified as dangerous in the meaning of transport regulations.

14.5 Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

| No | Substance name | CAS no. | EC no. | No |
|----|------------------------|---------|-----------|----|
| 1 | 1,2,4-trimethylbenzene | 95-63-6 | 202-436-9 | 75 |

Trade name: masteroil Benzin Systemreiniger**Product no.:** 1118**Current version :** 2.0.0, issued: 08.05.2024**Replaced version:** 1.0.1, issued: 21.04.2022**Region:** IE

| | | | | |
|----------|--------------------|----------------|------------------|-----------|
| 2 | naphthalene | 91-20-3 | 202-049-5 | 75 |
|----------|--------------------|----------------|------------------|-----------|

| | | | | |
|---|--|--|--|--|
| Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances | | | | |
| This product is not subject to Part 1 or 2 of Annex I. | | | | |

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information**Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

| | |
|------|---|
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H351 | Suspected of causing cancer. |
| 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. |

Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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