# Safety data sheet
## according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.12.2024 Version number 3.00 (replaces version 2.00) Revision: 11.12.2024

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

### 1.1 Product identifier
**Trade name: CLASSIC HAMDIR UM 32 HLPD**

### 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** hydraulic fluid

### 1.3 Details of the supplier of the safety data sheet
**Manufacturer/Supplier:**
CLASSIC Schmierstoff GmbH & Co. KG
Lange Straße 100-106
D-27318 HOYA
DEUTSCHLAND
Telephone: +49 (4251) - 8120
products@classic-oil.de

**Further information obtainable from:** product management

### 1.4 Emergency telephone number:
24-hour emergency contact number : +1 872 5888271 (CSG)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture
**Classification according to Regulation (EC) No 1272/2008**
The product is not classified, according to the CLP regulation.

### 2.2 Label elements
**Labelling according to Regulation (EC) No 1272/2008** Void
**Hazard pictograms** Void
**Signal word** Void
**Hazard statements** Void
**Additional information:**
Safety data sheet available on request.

### 2.3 Other hazards
The product does not contain any (>0.1%) substances of very high concern (SVHC) included in the candidate list according to REACH, Article 59.
**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 additions.

| **Dangerous components:** | | |
|---|---|---|
| CAS: 64742-56-9<br>EINECS: 265-159-2<br>Reg.nr.: 01-2119480132-48 | Distillates (petroleum), solvent-dewaxed light paraffinic<br>Asp. Tox. 1, H304 | 40-<45% |
| EC number: 931-384-6<br>Reg.nr.: 01-2119493620-38 | Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)<br>Aquatic Chronic 2, H411; Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1, H317<br>Specific concentration limits: Eye Irrit. 2; H319: C ≥ 50 %<br>Skin Sens. 1; H317: C ≥ 9.39 % | 0.1-<0.2% |

**Additional information:**
Note L : The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 (“Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method” Institute of Petroleum, London).

(Contd. on page 2)

# Safety data sheet
## according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.12.2024 Version number 3.00 (replaces version 2.00) Revision: 11.12.2024

**Trade name: CLASSIC HAMDIR UM 32 HLPD**

(Contd. of page 1)

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures
**General information:** In case of accident or unwellness, seek medical advice immediately.
**After inhalation:**
In case of accident by inhalation: remove casualty to fresh air and keep at rest. In all cases of doubt, or when symptoms persist, seek medical advice.
**After skin contact:**
After contact with skin, wash immediately with plenty of water and soap. Consult a doctor if skin irritation persists. Remove contaminated clothing.
**After eye contact:**
Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.
**After swallowing:**
Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunken in little sips ( dilution effect).
Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if symptoms are observed, get medical advice.
### 4.2 Most important symptoms and effects, both acute and delayed
If swallowed or vomited, danger of entering the lungs.
### 4.3 Indication of any immediate medical attention and special treatment needed
Symptomatic treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media
**Suitable extinguishing agents:**
Sand. Foam. Carbon dioxide (CO2). Extinguishing powder. For large fires and large quantities: Water spray, water mist.
Use fire extinguishing methods suitable to surrounding conditions.
**For safety reasons unsuitable extinguishing agents:** Water with full jet
### 5.2 Special hazards arising from the substance or mixture
When burning strong soot development
During fire, gases hazardous to health may be formed.
### 5.3 Advice for firefighters
In case of fire and/or explosion do not breathe fumes. In case of fire: Wear self-contained breathing apparatus.
**Protective equipment:** Wear self-contained respiratory protective device.
**Additional information**
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Co-ordinate fire-fighting measures to the fire surroundings.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation
Particular danger of slipping on leaked/spilled product.
**For non-emergency personnel** Personal protective equipment
### 6.2 Environmental precautions:
Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into soil/subsoil. If required, notify relevant authorities according to all applicable regulations.

(Contd. on page 3)

# Safety data sheet
## according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.12.2024 Version number 3.00 (replaces version 2.00) Revision: 11.12.2024

**Trade name: CLASSIC HAMDIR UM 32 HLPD**

(Contd. of page 2)

### 6.3 Methods and material for containment and cleaning up:
For containment
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.
For cleaning up
Clean contaminated objects and areas thoroughly observing environmental regulations.

### 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
Wear suitable protective clothing.
Avoid formation of oil dust.
**Information about fire - and explosion protection:**
Usual measures of preventive fire protection
Keep ignition sources away - Do not smoke.
Fire class B

**Handling:**
Information on general hygiene measures at the workplace:
Ensure thorough skin cleansing and skin care after work.
Do not carry product-soaked cleaning rags in trouser pockets.
Do not breathe vapour/aerosol. Avoid contact with eyes and skin.
Advices on general occupational hygiene: See section 8.

### 7.2 Conditions for safe storage, including any incompatibilities
**Storage:**
**Requirements to be met by storerooms and receptacles:**
Keep container tightly closed in a dry, cool and well-ventilated place.
Use only receptacles specifically permitted for this substance/product.
**Information about storage in one common storage facility:**
Do not store together with: Gas. Explosives. Oxidizing substances. Radioactive substances. Infectious substances.
**Further information about storage conditions:**
Temperature control required. Protect from light. Keep container tightly closed. Do not allow contact with air.
**Storage class:** 10
**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:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

| **DNELs** | | |
|---|---|---|
| **CAS: 64742-56-9 Distillates (petroleum), solvent-dewaxed light paraffinic** | | |
| Oral | DNEL(long/systemic) | 0.74 mg/kg bw/d (Consumer) |
| Dermal | DNEL(long/systemic) | 0.97 mg/kg bw/d (worker) |
| Inhalative | DNEL(long/systemic) | 2.73 mg/m3 (worker) |
| | DNEL(long/local) | 5.58 mg/m3 (worker) |
| | | 1.19 mg/m3 (Consumer) |

(Contd. on page 4)

# Safety data sheet
## according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.12.2024 Version number 3.00 (replaces version 2.00) Revision: 11.12.2024

**Trade name: CLASSIC HAMDIR UM 32 HLPD**

(Contd. of page 3)

| **Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)** | | |
|---|---|---|
| Oral | long-term, oral, systemic | 0.25 mg/kg KG/d<br>consumer |
| Dermal | DNEL, long-term, dermal, systemic | 12.5 mg/kg KG/d<br>workers |
| | DNEL, long-term, dermal, systemic | 6.25 mg/kg KG/d<br>consumer |
| | acute, dermal, local | 0.024 mg/cm²<br>consumer |
| Inhalative | DNEL, long-term, inhalation, systemic | 4.28 mg/m³<br>workers |
| | DNEL, long-term, inhalation, systemic | 1.09 mg/m³<br>consumer |

| **PNECs** | |
|---|---|
| **CAS: 64742-56-9 Distillates (petroleum), solvent-dewaxed light paraffinic** | |
| PNEC Secondary poisoning | 9.33 mg/kg |
| **Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)** | |
| PNEC (Freshwater) | 0.0024 mg/l |
| Freshwater (intermittent releases) | 0.15 mg/l |
| PNEC (Seawater) | 0.00024 mg/l |
| Micro-organisms in sewage treatment plants (STP) | 24.33 mg/l |
| PNEC (freshwater sediment) | 0.0129 mg/kg |
| PNEC (Seawater sediment) | 0.00129 mg/kg |
| PNEC (ground) | 0.00117 mg/kg |
| Secondary poisoning | 10 mg/kg |

**Additional information:**
Additional information on limit values
Airborne limit values:
Possibility of exposure to aerosol (mineral oil ).
Limit value (TLV-TWA ) = 5 mg/m3 - Source: ACGIH
TLV-STEL = 10 mg/m3 - Source: ACGIH
STEL: short-term exposure limits
TLV: Threshold Limiting Value
TWA: time weighted average
ACGIH:American Conference of Governmental Industrial Hygienists
The safety data sheet of the pre-supplier served as the basis for the creation.

### 8.2 Exposure controls
**Appropriate engineering controls** Ensure good ventilation of the work station.
**Individual protection measures, such as personal protective equipment**
**General protective and hygienic measures:** Wash hands before breaks and at the end of work.
**Respiratory protection:**
With correct and proper use, and under normal conditions, breathing protection is not required. Respiratory protection necessary at:
-aerosol or mist formation
-Exceeding exposure limit values
Suitable respiratory protection apparatus: Respiratory equipment in case of nebulosity or aerosol: Use a mask with a filter type A2, A2/P2 or ABEK.
The respiratory protection filter class must be adapted to the maximum pollutant concentration (gas/vapour/aerosol/particles) that can arise when handling the product. If the concentration is exceeded, insulating equipment must be used!

(Contd. on page 5)

# Safety data sheet
## according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.12.2024 Version number 3.00 (replaces version 2.00) Revision: 11.12.2024

**Trade name: CLASSIC HAMDIR UM 32 HLPD**

(Contd. of page 4)

**Hand protection**

Protective gloves

Use safety gloves of following materials: NBR (nitrile) / neopren / viton (permeationslevel 5 - 6), Cat. II according to norm EN 347/EN 388.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

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**

Tightly sealed goggles

EN 166

**Body protection:**

Heavy flammable, oil-repellent protective clothing
Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

**Thermal hazards**

Wear protective clothing when working with hot material: heat-resistant overalls (with trouser legs over the boots and sleeves over the glove cuffs), heat-resistant, high-performance, non-slip boots (e.g. leather).

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| **General Information** | |
| **Physical state** | Fluid |
| **Colour:** | Clear |
| **Odour:** | Not determined |
| **Odour threshold:** | Not determined. |
| **Melting point/freezing point:** | Undetermined. |
| **Boiling point or initial boiling point and boiling range** | Undetermined. |
| **Flammability** | Not applicable. |
| **Lower and upper explosion limit** | |
| **Lower:** | Not determined. |
| **Upper:** | Not determined. |
| **Flash point:** | 213 °C (DIN ISO 2592) |
| **Decomposition temperature:** | Not determined. |
| **pH** | Not determined. |
| **Viscosity:** | |
| **Kinematic viscosity at 40 °C** | 32.2 mm²/s (DIN EN ISO 3104) |

(Contd. on page 6)

# Safety data sheet
## according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.12.2024 Version number 3.00 (replaces version 2.00) Revision: 11.12.2024

**Trade name: CLASSIC HAMDIR UM 32 HLPD**

(Contd. of page 5)

| | |
|---|---|
| **Dynamic:** | Not determined. |
| **Solubility** | |
| **water:** | Immiscible |
| **Partition coefficient n-octanol/water (log value)** | Not determined. |
| **Vapour pressure:** | Not determined. |
| **Density and/or relative density** | |
| **Density at 15 °C:** | 0.878 g/cm³ (DIN 51757) |
| **Relative density** | Not determined. |
| **Vapour density** | Not determined. |
| **Particle characteristics** | Does not apply to liquids. |

### 9.2 Other information

| | |
|---|---|
| **Appearance:** | |
| **Form:** | Fluid |
| **Important information on protection of health and environment, and on safety.** | |
| **Ignition temperature:** | Not determined. |
| **Explosive properties:** | Product does not present an explosion hazard. |
| **Change in condition** | |
| **Drip point:** | |
| **Pour point** | -27 °C (ASTM D 5985) |
| **Evaporation rate** | Not determined. |

| | |
|---|---|
| **Information with regard to physical hazard classes** | |
| **Explosives** | Void |
| **Flammable gases** | Void |
| **Aerosols** | Void |
| **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:**

The mixture is chemically stable under recommended conditions of storage, use and temperature.

**10.3 Possibility of hazardous reactions**

No dangerous reactions known.

Refer to chapter 10.5.

**10.4 Conditions to avoid** No further relevant information available.

**10.5 Incompatible materials:** Materials to avoid: Strong oxidizing agents

(Contd. on page 7)

# Safety data sheet
## according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.12.2024 Version number 3.00 (replaces version 2.00) Revision: 11.12.2024

**Trade name: CLASSIC HAMDIR UM 32 HLPD**

(Contd. of page 6)

**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:** | | |
|---|---|---|
| **CAS: 64742-56-9 Distillates (petroleum), solvent-dewaxed light paraffinic** | | |
| Oral | LD50 oral | >5,000 mg/kg (Rat) (ECHA Dossier) |
| Dermal | LD50 dermal | >5,000 mg/kg (rabbit) (ECHA Dossier) |
| Inhalative | LC50 Acute inhalation toxicity (dust/mist): | >5.53 mg/l /Aerosol (Rat) (ECHA Dossier) |
| **Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)** | | |
| Oral | LD50 oral | >2,000 mg/kg (Rat) (OECD Guideline 401) |

**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.
**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.
Distillates (petroleum), solvent-dewaxed light paraffinic; Base oil - unspecified:
Subchronic oral toxicity:
Exposure duration: 90d; Species: Sprague-Dawley rat.;
Method: OECD Guideline 408;
Result: LOAEL = 125 mg/kg; Reference: ECHA Dossier;
Subacute inhalation toxicity :
Exposure duration: 28d; Species: Sprague-Dawley rat;
Result: NOAEC > 980 mg/m3; Reference: ECHA dossier;
Subacute dermal toxicity:
Exposure duration: 28d; Species: rabbit;
Method: OECD Guideline 410;
Result: NOAEL 1000 mg/kg; Reference: ECHA Dossier

Reaction products of bis (4-methyl-pentan-2-yl) dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched):
Subacute oral toxicity:
Method: -; Species: Rat;
Result: NOAEL = 150 mg/kg; Literature reference: ECHA dossier
Based on available data, the classification criteria are not met.
**Aspiration hazard** Based on available data, the classification criteria are not met.

| **Additional toxicological information:** | | |
|---|---|---|
| Oral | ATE | >2,000 mg/kg<br>calculated |
| Dermal | ATE | >2,000 mg/kg<br>calculated |
| Inhalative | ATE | >5 mg/l (Dust/Mist)<br>calculated |
| | ATE Vapour | >20 mg/L<br>calculated |

(Contd. on page 8)

# Safety data sheet
## according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.12.2024 Version number 3.00 (replaces version 2.00) Revision: 11.12.2024

**Trade name: CLASSIC HAMDIR UM 32 HLPD**

(Contd. of page 7)

**CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
Based on available data, the classification criteria are not met.
Distillates (petroleum), solvent-dewaxed light paraffinic; Base oil - unspecified:
In vitro mutagenicity/genotoxicity:
Method:
OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test),
OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test),
OECD Guideline 471 (Bacterial Reverse Mutation Assay);
Result: negative. Literature reference: ECHA dossier;
Chronic dermal toxicity: Exposure duration: ~546 d;
Species: Mouse;
Method: OECD Guideline 451;
Result: Carcinogenicity = negative. Literature reference: ECHA dossier;
Reproductive toxicity:
Route of exposure: oral. Species: Rat;
Method: OECD Guideline 421;
Result: NOAEL >1000 mg/kg; Reference: ECHA dossier;
Developmental toxicity / teratogenicity:
Route of exposure: dermal. Species: Rat;
Method: OECD Guideline 414;
Result: NOAEL >2000 mg/kg; Bibliography: ECHA Dossier

Reaction products of bis (4-methyl-pentan-2-yl) dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched):
In vitro mutagenicity/genotoxicity:
Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test);
Result: negative Literature reference: ECHA dossier;
Reproductive toxicity:
Species: Rat (Wistar);
Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test);
Result: NOAEL = 150 mg/kg Literature reference: ECHA dossier;
Developmental toxicity / teratogenicity:
Species: Rat (Wistar);
Method: other guideline: Reproduction/developmental screening test.
Result: NOAEL = 150 mg/kg; Reference: ECHA dossier.

### 11.2 Information on other hazards

| **Endocrine disrupting properties** |
|---|
| None of the ingredients is listed. |

**Other information** Frequent contact may cause skin and eye irritation, especially after drying.

## SECTION 12: Ecological information

### 12.1 Toxicity

| **Aquatic toxicity:** | |
|---|---|
| **CAS: 64742-56-9 Distillates (petroleum), solvent-dewaxed light paraffinic** | |
| ErC50 | >100 mg/l /(72h) (Pseudokirchnerella subcapitata) |
| NOEC | 10 mg/l /(21d) (Daphnia magna) |
| EC50 | >10,000 mg/L /(48h) (Daphnia magna) |
| LC50 | >100 mg/L /(96h) (Pimephales promelas) |
| **Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)** | |
| ErC50 | 6.4 mg/l /(96h) (Pseudokirchnerella subcapitata) (OECD 201) |
| EL50 | ~91.4 mg/l /(48h) (Daphnia magna) (OECD 202) |
| EC50 | 2,433 mg/L (Bacteria) |

(Contd. on page 9)

# Safety data sheet
## according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.12.2024 Version number 3.00 (replaces version 2.00) Revision: 11.12.2024

**Trade name: CLASSIC HAMDIR UM 32 HLPD**

(Contd. of page 8)

| | |
|---|---|
| LC50 | 8.5 mg/L /(96h) (Oncorhynchus mykiss) (OECD 203) |

### 12.2 Persistence and degradability
The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

| **CAS: 64742-56-9 Distillates (petroleum), solvent-dewaxed light paraffinic** | |
|---|---|
| Persistence and degradability | 2–4 % /(28d) (OECD 301B / ISO 9439 / EWG 92/69 Anhang V,C.4-C)<br>Not easily bio-degradable (according to OECD-criteria). |
| **Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)** | |
| Persistence and degradability | 3.6 % /(28d)<br>ASTM D-5864-95 not easily degradable |

### 12.3 Bioaccumulative potential
No indication of bioaccumulation potential.

| **Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)** | |
|---|---|
| BCF | 436 (Oncorhynchus mykiss) |
| Partition coefficient n-octanol/water | <0.3 |

**12.4 Mobility in soil** No further relevant information available.

### 12.5 Results of PBT and vPvB assessment
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
The above statement applies to the substances contained in the product from 0.1 %.
**PBT:** Not applicable.
**vPvB:** Not applicable.

### 12.6 Endocrine disrupting properties
This product does not contain any substance that exhibits endocrine disrupting properties towards non-target organisms, as no ingredient fulfils the criteria.
The above statement applies to the substances contained in the product from 0.1 %.
The product does not contain substances with endocrine disrupting properties.

### 12.7 Other adverse effects
**Other information:** Ozone depletion potential (ODP): No information available.
**Additional ecological information:**
**General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods
**Recommendation** Dispose of waste according to applicable legislation.

| **European waste catalogue** | |
|---|---|
| 15 01 10* | packaging containing residues of or contaminated by 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** not regulated

(Contd. on page 10)

# Safety data sheet
## according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.12.2024 Version number 3.00 (replaces version 2.00) Revision: 11.12.2024

**Trade name: CLASSIC HAMDIR UM 32 HLPD**

(Contd. of page 9)

| | |
|---|---|
| **14.2 UN proper shipping name**<br>**ADR, IMDG, IATA** | not regulated |
| **14.3 Transport hazard class(es)** | |
| **ADR, ADN, IMDG, IATA**<br>**Class** | not regulated |
| **14.4 Packing group**<br>**ADR, IMDG, IATA** | not regulated |
| **14.5 Environmental hazards:** | Not applicable. |
| **14.6 Special precautions for user** | Not applicable. |
| **14.7 Maritime transport in bulk according to IMO instruments** | Not applicable. |
| **UN "Model Regulation":** | not regulated |

## SECTION 15: Regulatory information

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

**Labelling according to Regulation (EC) No 1272/2008** Void
**Hazard pictograms** Void
**Signal word** Void
**Hazard statements** Void

**Directive 2012/18/EU**
**Named dangerous substances - ANNEX I** None of the ingredients is listed.
**Seveso category** Not subject to 2012/18/EU (SEVESO III)
**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 75
**Regulation (EU) No 649/2012**
Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals: not relevant

| |
|---|
| **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. |
| **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:**

**Technical instructions (air):**
Germany:
5.2.5: Organic substances, to be indicated as total carbon at m ≥0.50 kg/h: Conc. 50 mg/m³.
Proportion: >95

(Contd. on page 11)

# Safety data sheet
## according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.12.2024 Version number 3.00 (replaces version 2.00) Revision: 11.12.2024

**Trade name: CLASSIC HAMDIR UM 32 HLPD**

(Contd. of page 10)

**Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
**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**
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.
**Classification according to Regulation (EC) No 1272/2008**
Health hazards: Calculation method.
Environmental hazards: Calculation method.
Physical hazards: Based on test data

**Department issuing SDS:** product management
**Contact:** product management
**Version number of previous version:** 2.00
**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)
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
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
**Sources** The safety data sheet of the pre-supplier served as the basis for the creation.