

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

Printing date 20.03.2023

Version number 4.00 (replaces version 3.00)

Revision: 20.03.2023

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

#### 1.1 Product identifier

Trade name: **CLASSIC HAMDIR UM 68 HVLP**

#### 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

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: 64742-55-8

EINECS: 265-158-7

Reg.nr.: 01-2119487077-29

Distillates (petroleum), hydrotreated light paraffinic; Base oil - 3-<5% unspecified (Note L)

Asp. Tox. 1, H304

##### SVHC

This product contains no substances of very high concern (SVHC) (>0,1%) which are included in the Candidate List according to Article 59 of REACH.

Additional information:

Note L: The harmonised classification as a carcinogen shall be made unless it can be shown that the substance contains less than 3 % dimethyl sulphoxide extract measured by method IP 346 ("Determination of polycyclic aromatics in unused lubricating oils and asphaltene-free petroleum fractions - Dimethyl sulphoxide extraction- refractive index method", Institute of Petroleum, London), in which case classification according to Title II of this Regulation shall also be made for this hazard class.

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

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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General information:

In case of accident or unwellness, seek medical advice immediately.  
If possible, show operating instructions or safety data sheet.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

##### After skin contact:

After contact with skin, wash immediately with plenty of water and soap. Change contaminated clothing. In case of skin irritation, seek medical treatment.

##### 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 (CO<sub>2</sub>).Extinguishing powder. In case of major fire and large quantities: Water spray jet. Water mist.

**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

Can be released in case of fire: Carbon monoxide Carbon dioxide (CO<sub>2</sub>) Sulphur dioxide (SO<sub>2</sub>) Nitrogenoxides (NO<sub>x</sub>)

#### 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

**For emergency responders** No special precautions are necessary.

#### 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.

#### 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

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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: 80-62-6 Methyl methacrylate

Oral	DNEL(long/systemic)	8.2 mg/kg bw/d (Consumer)
Dermal	DNEL(long/systemic)	13.67 mg/kg bw/d (worker)
		8.2 mg/kg bw/d (Consumer)
	DNEL(long/local)	1.5 mg/cm <sup>2</sup> (worker)
		1.5 mg/cm <sup>2</sup> (Consumer)
	acute, dermal, local	1.5 mg/cm <sup>2</sup> (worker)
		1.5 mg/cm <sup>2</sup> (Consumer)
Inhalative	DNEL(long/systemic)	348.4 mg/m <sup>3</sup> (worker)

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	DNEL(long/local)	74.3 mg/m <sup>3</sup> (Consumer) 208 mg/m <sup>3</sup> (worker) 104 mg/m <sup>3</sup> (Consumer)
	DNEL (short-term, local)	416 mg/m <sup>3</sup> (worker) 208 mg/m <sup>3</sup> (Consumer)

### PNECs

**CAS: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic; Base oil - unspecified (Note L)**

PNEC 9.33 mg/Kg (Intoxication secondaire)

**CAS: 80-62-6 Methyl methacrylate**

PNEC 10 mg/L (Wastewater treatment plant)

0.094 mg/L (Seawater)

0.94 mg/L (Spo)

0.94 mg/L (Freshwater)

PNEC 1.48 mg/Kg (Soil)

0.102 mg/Kg (Seawater sediment)

10.2 mg/Kg (Freshwater sediment)

### Additional information:

Additional information on limit values

Airborne limit values:

Possibility of exposure to aerosol (mineral oil).

Limit value (TLV-TWA) = 5 mg/m<sup>3</sup> - Source: ACGIH

TLV-STEL = 10 mg/m<sup>3</sup> - Source: ACGIH

STEL: short-term exposure limits

TLV: Threshold Limiting Value

TWA: time weighted average

ACGIH: American Conference of Governmental Industrial Hygienists

### 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.

Clean skin thoroughly after working.

Do not carry product impregnated cleaning cloths in trouser pockets.

**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!

**Hand protection**



Protective gloves

The design of chemical protective gloves must be selected specifically for the workplace, depending on the concentration and quantity of hazardous substances.

It is recommended to check the chemical resistance of the above mentioned protective gloves for specific applications with the glove manufacturer.

Gloves must be checked regularly and replaced in case of wear, holes or contamination.

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If gloves are to be reused, clean them before taking them off and store them in a well-ventilated place.

Use safety gloves of following materials: NBR (nitrile) / neopren / viton (permeationslevel 5 - 6), Cat. II according to norm EN 347/EN 388.

### 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).

**Environmental exposure controls** There are no data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

<b>Physical state</b>	Fluid
<b>Colour:</b>	Clear
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	-39 °C (Pourpoint, ISO 3016)
<b>Boiling point or initial boiling point and boiling range</b>	Undetermined.
<b>Flammability</b>	Not applicable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Flash point:</b>	244 °C (COC)
<b>Decomposition temperature:</b>	Not determined.
<b>pH</b>	Not determined.
<b>Viscosity:</b>	
<b>Kinematic viscosity at 40 °C</b>	67.93 mm <sup>2</sup> /s (DIN EN ISO 3104)
<b>Kinematic at 40°C</b>	
<b>Dynamic:</b>	Not determined.
<b>Solubility</b>	
<b>water:</b>	Not miscible or difficult to mix.
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure:</b>	Not determined.
<b>Density and/or relative density</b>	
<b>Density at 15 °C:</b>	0.8758 g/cm <sup>3</sup> (DIN 51757)
<b>Relative density</b>	Not determined.

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**Vapour density** Not determined.

### 9.2 Other information

#### Appearance:

**Form:** Fluid

#### Important information on protection of health and environment, and on safety.

**Auto-ignition temperature:** Not determined.

**Explosive properties:** Product does not present an explosion hazard.

**Change in condition**

**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 product 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

**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: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic; Base oil - unspecified (Note L)**

Oral	LD50 oral	>5,000 mg/kg (rat) (OECD Guideline 401)
Dermal	LD50 dermal	>2,000 mg/kg (rabbit) (OECD Guideline 402)

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Inhalative	LC50 Acute inhalation toxicity (dust/mist):	5.53 mg/l (rat) (OECD Guideline 403)
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**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**

Distillates (petroleum), hydrotreated light paraffinic; Base oil - unspecified:

In vitro mutagenicity/genotoxicity:

Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay) with modifications.

Result: negative / positive.

Method: OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)

Result: negative.

Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)

Result: negative / positive.

Literature reference: ECHA dossier

In vivo mutagenicity/genotoxicity

Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

Result: negative ; Reference: ECHA dossier

Reproductive toxicity

Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test)

Exposure duration: 28d; Species: Rat

Result: NOAEL = > 2000 mg/kg(bw)/day; Reference: ECHA Dossier

Developmental toxicity /Teratogenicity:

Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study).

Exposure duration: 28d; Species: Rat

Result: NOAEL = > 2000 mg/kg(bw)/day; Reference: ECHA Dossier

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), hydrotreated light paraffinic; Base oil - unspecified:

Subacute inhalation toxicity : Method:

Exposure duration: 28d; Species: rat; Result: NOAEL > 980 mg/m<sup>3</sup>; Literature reference: J Appl Toxicol, Vol 11(4), pp 297-302;

Subacute dermal toxicity: Method: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study);

Exposure duration: 28d; Species: rabbit; Result: NOAEL 1000 mg/kg(bw)/day; Reference: ECHA Dossier;

Subchronic oral toxicity: Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents);

Species: Rat; Result: NOAEL = 125 mg/kg;

Literature reference: ECHA Dossier

**Aspiration hazard** Based on available data, the classification criteria are not met.

### **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:**

If this product contains phenol, dodecyl, branched (EC No. 310-154-3), this product is not to be classified as dangerous for the environment (H410, H411, H412) . Raw materials containing this substance have not been classified by our suppliers as hazardous to the environment (H410, H 411) on the basis of test data, expert judgement or analogy assessments.

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**CAS: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic; Base oil - unspecified (Note L)**

NOEC	100 mg/l (algae) 10 mg/l /21 d (Daphnia magna)
EC50	>10,000 mg/L (Daphnia magna)
LC50	>100 mg/L /96 h (Fish)

### 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: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic; Base oil - unspecified (Note L)**

Persistence and degradability | 31 % /(28d) (OECD method 301F)

### 12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

**CAS: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic; Base oil - unspecified (Note L)**

Partition coefficient n-octanol/water | >3.5

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

### 12.5 Results of PBT and vPvB assessment

The product does not contain substances meeting the criteria for PBT or vPvB in accordance with Annex XIII, Regulation (EC) No 1907/2006 (REACH), as amended.

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

The product does not contain substances with endocrine disrupting properties.

### 12.7 Other adverse effects

**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 in accordance with official regulations. Contact the responsible authorised waste disposal company for waste disposal. Non-contaminated and completely empty packaging can be recycled. The allocation of waste code numbers/waste designations must be carried out in accordance with EAKV on an industry and process-specific basis.

#### European waste catalogue

15 01 10\* | packaging containing residues of or contaminated by hazardous substances

#### Uncleaned packaging:

**Recommendation:** Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADR, IMDG, IATA | not regulated

### 14.2 UN proper shipping name

ADR, IMDG, IATA | not regulated

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### 14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA  
Class

not regulated

### 14.4 Packing group

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.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 75

**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:**

**Breakdown regulations:**

(Germany)

Not subject to the 12th BImSchV (Federal Immission Control Ordinance) (Major Accidents Ordinance)

**Technical instructions (air):**

**Class Share in %**

Technical Instructions on Air Quality I:

5.2.5: Organic substances, to be indicated as total carbon

at  $m \geq 0.50$  kg/h: conc. 50 mg/m<sup>3</sup>

Proportion: >99 %

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

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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

H304 May be fatal if swallowed and enters airways.

**Date of previous version:** 03.07.2022

**Version number of previous version:** 3.00

#### 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

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Asp. Tox. 1: Aspiration hazard – Category 1

**Sources** The safety data sheet of the pre-supplier served as the basis for the creation.

**\* Data compared to the previous version altered.**