

Version: 2.11

Revision Date: 08.12.2022

Print Date: 09.12.2022

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

### 1.1 Product identifier

Trade name : D080-K30 hebro®ÖkoClean OT

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-  
stance/Mixture : Cleaner (solvent) for professional application in industry and trade

### 1.3 Details of the supplier of the safety data sheet

Company : hebro chemie- ZN der Rockwood Specialties Group GmbH  
Rostocker Str. 40  
41199 Mönchengladbach

Contact person : Zentrale hebro chemie  
Telephone : +49 (0) 2166 6009-0  
Telefax : +49 (0) 2166 6009-99

Contact person product safety : Abteilung Produktsicherheit  
Telephone : +49(0)2166 6009-311  
E-mail address : msds.de@hebro-chemie.de

### 1.4 Emergency telephone number

: Giftinformationszentrum Erfurt:  
+49 (0) 361 730 730

---

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3 H226: Flammable liquid and vapour.

Aspiration hazard, Category 1 H304: May be fatal if swallowed and enters airways.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.

Version: 2.11

Revision Date: 08.12.2022

Print Date: 09.12.2022

Precautionary statements : **Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P242 Use non-sparking tools.  
P243 Take action to prevent static discharges.  
**Response:**  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P331 Do NOT induce vomiting.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

### Additional Labelling

The following percentage of the mixture consists of ingredient(s) with unknown acute oral toxicity: 100 %  
The following percentage of the mixture consists of ingredient(s) with unknown acute dermal toxicity: 100 %  
The following percentage of the mixture consists of ingredient(s) with unknown acute inhalation toxicity: 100 %  
The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 26 %

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

---

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Neutral cleaner as aqueous solution of anionic and nonionic tensides  
Solvent mixture

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Substances with a workplace exposure limit :			
2-(3-Methoxypropoxy)propan-1-ol	34590-94-8 252-104-2 01-2119450011-60		>= 2.5 - < 10

For explanation of abbreviations see section 16.

---

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice : When symptoms persist or in all cases of doubt seek medical advice.

Version: 2.11

Revision Date: 08.12.2022

Print Date: 09.12.2022

---

- If inhaled : Provide fresh air.  
Keep patient warm and at rest.  
If symptoms persist, call a physician.
- In case of skin contact : After contact with skin, wash immediately with plenty of soap and water.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Seek medical advice.
- If swallowed : Call a physician immediately.  
Keep at rest.  
Do NOT induce vomiting.

#### **4.2 Most important symptoms and effects, both acute and delayed**

- Symptoms : No information available.
- Risks : No information available.

#### **4.3 Indication of any immediate medical attention and special treatment needed**

- Treatment : Treat symptomatically.
- 

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

- Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry powder  
Water spray jet
- Unsuitable extinguishing media : none

#### **5.2 Special hazards arising from the substance or mixture**

- Specific hazards during fire-fighting : No information available.

#### **5.3 Advice for firefighters**

- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
- Further information : Use water spray to cool unopened containers.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Version: 2.11

Revision Date: 08.12.2022

Print Date: 09.12.2022

---

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Remove all sources of ignition.  
Ensure adequate ventilation.

### 6.2 Environmental precautions

Environmental precautions : Do not let product enter drains.  
Inform the relevant authorities if it enters sewers, aquatic environment or soil.  
Do not flush into surface water or sanitary sewer system.  
Avoid subsoil penetration.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Keep in suitable, closed containers for disposal.  
Soak up with liquid binder (sand, kieselguhr, acid binder, universal binder).

### 6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8., For disposal considerations see section 13.

---

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Keep away from open flames, hot surfaces and sources of ignition.  
Take precautionary measures against static discharges.

Advice on protection against fire and explosion : Vapours are heavier than air and may spread along floors.  
Vapours may form explosive mixtures with air.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep away from open flames, hot surfaces and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Observe label precautions.

Further information on storage conditions : Keep away from sources of ignition - No smoking. Keep at temperatures between - 7°C and 40°C.

Advice on common storage : Incompatible with oxidizing agents.

### 7.3 Specific end use(s)

Specific use(s) : Cleaner (solvent) for professional application in industry and trade

Version: 2.11

Revision Date: 08.12.2022

Print Date: 09.12.2022

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
2-(3-Methoxypropoxy)propan-1-ol	34590-94-8	TWA	50 ppm 308 mg/m <sup>3</sup>	GB EH40
Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity., Where no specific short-term exposure limit is listed, a figure three times the long-term exposure limit should be used.				

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Orange, sweet, ext.	Workers	Inhalation	Long-term systemic effects	31.1 mg/m <sup>3</sup>
	Workers	Skin contact	Long-term systemic effects	8.89 mg/kg bw/day
	Workers	Skin contact	Acute local effects	185.8 µg/cm <sup>2</sup>
2-(3-Methoxypropoxy)propan-1-ol	Workers	Inhalation	Long-term systemic effects	308 mg/m <sup>3</sup>
	Workers	Skin contact	Long-term systemic effects	283 mg/kg bw/day

#### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Orange, sweet, ext.	Fresh water	0.005 mg/l
	Marine water	0.0005 mg/l
	Intermittent use/release	0.0058 mg/l
	Sewage treatment plant	2.1 mg/l
	Fresh water sediment	1.3 mg/kg
	Marine sediment	0.13 mg/kg
	Soil	0.261 mg/kg
	Oral	13.3 mg/kg
	2-(3-Methoxypropoxy)propan-1-ol	Fresh water
Marine water		1.9 mg/l
Intermittent use/release		190 mg/l
Sewage treatment plant		4168 mg/l
Fresh water sediment		70.2 mg/kg
Marine sediment		7.02 mg/kg
	Soil	2.74 mg/kg

### 8.2 Exposure controls

#### Engineering measures

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

#### Personal protective equipment

Eye/face protection : Safety glasses with side-shields conforming to EN166  
 Face-shield

Version: 2.11

Revision Date: 08.12.2022

Print Date: 09.12.2022

Hand protection Material	:	Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.
Remarks	:	The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. The exact break through time can be obtained from the protective glove producer and this has to be observed.
Skin and body protection	:	Long sleeved clothing Chemical resistant apron
Respiratory protection	:	Use respirator when performing operations involving potential exposure to vapour of the product.
Protective measures	:	Follow the skin protection plan.

---

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	:	liquid
Colour	:	colourless
Odour	:	aromatic
	:	not determined
Boiling point/boiling range	:	> 100 °C Method: DIN 51751
Upper explosion limit / Upper flammability limit	:	Upper flammability limit 14 %(V)
Lower explosion limit / Lower flammability limit	:	Lower flammability limit 0.7 %(V)
Flash point	:	55 °C
Auto-ignition temperature	:	237 °C
pH	:	7.8 (20 °C) (undiluted)
Viscosity Viscosity, kinematic	:	similar to water
Solubility(ies) Water solubility	:	300 g/l
Partition coefficient: n-octanol/water	:	Not applicable

Version: 2.11

Revision Date: 08.12.2022

Print Date: 09.12.2022

Vapour pressure	:	35 hPa (20 °C) Information taken from reference works and the literature.
Density	:	0.88 g/cm <sup>3</sup> (20 °C) Method: DIN 51757
Relative vapour density	:	not determined

## 9.2 Other information

Explosives	:	Vapours may form explosive mixture with air.
Substances and mixtures, which in contact with water, emit flammable gases	:	No data available

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

The product is chemically stable.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

### 10.4 Conditions to avoid

Conditions to avoid : Product is stable under appropriate usage.

### 10.5 Incompatible materials

Materials to avoid : Oxidizing agents

### 10.6 Hazardous decomposition products

Hazardous decomposition products : Carbon monoxid, carbon dioxid.  
Smoke  
Nitrogen oxides (NO<sub>x</sub>)

---

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

#### Components:

#### **2-(3-Methoxypropoxy)propan-1-ol:**

Acute oral toxicity : LD50 (Rat): 5,135 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 9,510 mg/kg

Version: 2.11

Revision Date: 08.12.2022

Print Date: 09.12.2022

### Skin corrosion/irritation

**Product:**

Remarks : Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.

### Serious eye damage/eye irritation

**Product:**

Remarks : The liquid splashed in the eyes may cause irritation and reversible damage.

### Respiratory or skin sensitisation

**Product:**

Remarks : This information is not available.

### Carcinogenicity

**Product:**

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

### Aspiration toxicity

**Product:**

May be fatal if swallowed and enters airways.

## 11.2 Information on other hazards

### Further information

**Product:**

Remarks : According to many years of experience, there are no known harmful effects when handled properly.  
Description of possible hazardous to health effects is based on experience and/or toxicological characteristics of several components.

---

## SECTION 12: Ecological information

### 12.1 Toxicity

**Components:**

**2-(3-Methoxypropoxy)propan-1-ol:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 1,919 mg/l  
Exposure time: 48 h



Version: 2.11

Revision Date: 08.12.2022

Print Date: 09.12.2022

NOEC (Daphnia magna (Water flea)): 0.5 mg/l  
Exposure time: 22 d

Toxicity to algae/aquatic plants : EC50 (Selenastrum capricornutum (green algae)): 1,000 mg/l  
Exposure time: 72 h

Toxicity to microorganisms : EC10 (Pseudomonas putida): 4,168 mg/l  
Test Type: Growth inhibition

## 12.2 Persistence and degradability

### Product:

Biodegradability : Remarks: No data available

## 12.3 Bioaccumulative potential

### Product:

Bioaccumulation : Remarks: No data available

## 12.4 Mobility in soil

### Product:

Mobility : Remarks: No data available

## 12.5 Results of PBT and vPvB assessment

### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 12.6 Endocrine disrupting properties

No data available

## 12.7 Other adverse effects

### Product:

Additional ecological information : Do not flush into surface water or sanitary sewer system.  
Avoid subsoil penetration.

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.  
Do not let product enter drains.  
Do not dispose of with domestic refuse.

Contaminated packaging : Dispose of in accordance with local regulations.  
Since emptied containers retain product residues (vapour and/or liquid) follow all MSDS/label warnings after container is emptied.

Version: 2.11

Revision Date: 08.12.2022

Print Date: 09.12.2022

Waste Code : Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

---

## SECTION 14: Transport information

### 14.1 UN number or ID number

**ADR** : UN 2319  
**RID** : UN 2319  
**IMDG** : UN 2319  
**IATA** : UN 2319

### 14.2 UN proper shipping name

**ADR** : TERPENE HYDROCARBONS, N.O.S.  
**RID** : TERPENE HYDROCARBONS, N.O.S.  
**IMDG** : TERPENE HYDROCARBONS, N.O.S.  
(Orange, sweet, ext.)  
**IATA** : Terpene hydrocarbons, n.o.s.

### 14.3 Transport hazard class(es)

	Class	Subsidiary risks
<b>ADR</b>	: 3	
<b>RID</b>	: 3	
<b>IMDG</b>	: 3	
<b>IATA</b>	: 3	

### 14.4 Packing group

**ADR**  
Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3  
Tunnel restriction code : (D/E)

**RID**  
Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3

**IMDG**  
Packing group : III  
Labels : 3  
EmS Code : F-E, S-D  
Remarks : "IMDG-Code segregation group not applicable".

**IATA (Cargo)**  
Packing instruction (cargo aircraft) : 366  
Packing instruction (LQ) : Y344

Version: 2.11

Revision Date: 08.12.2022

Print Date: 09.12.2022

Packing group : III  
Labels : Flammable Liquids

**IATA\_P (Passenger)**

Packing instruction (passenger aircraft) : 355  
Packing instruction (LQ) : Y344  
Packing group : III  
Labels : Flammable Liquids

**14.5 Environmental hazards**

**ADR**

Environmentally hazardous : yes

**RID**

Environmentally hazardous : yes

**IMDG**

Marine pollutant : yes

**14.6 Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable for product as supplied.

---

**SECTION 15: Regulatory information**

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

UK REACH List of substances subject to authorisation (Annex XIV) : Not applicable

UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation : Not applicable

The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain) : Not applicable

**Other regulations:**

**15.2 Chemical safety assessment**

A Chemical Safety Assessment is not required for this substance.

---

**SECTION 16: Other information**

**Full text of other abbreviations**

GB EH40 : UK. EH40 WEL - Workplace Exposure Limits  
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

**D080-K30 hebro®ÖkoClean OT**



A brand of BASF – we create chemistry

Version: 2.11

Revision Date: 08.12.2022

Print Date: 09.12.2022

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

## Further information

Other information : The information provided is based on our current knowledge and experience and apply to the product as delivered. Regarding the product properties, these are not guaranteed. The delivery of this safety datasheet does not free the recipient of the product from his own responsibility to follow the relevant rules and regulations concerning this product.  
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

## Classification of the mixture:

Flam. Liq. 3                      H226  
Asp. Tox. 1                      H304

## Classification procedure:

Based on product data or assessment  
Based on product data or assessment

GB / EN