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

### **1.1 Product identifier**

Trade name : L001-K30 Acryllon

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

Use of the Sub- : High speed maintenance for floors  
stance/Mixture

### **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 : Wolfgang Schaffers  
Telephone : +49 (0) 2166 6009-0  
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Contact person product safety : Abteilung Produktsicherheit  
Telephone : +49(0)2166 6009-176  
E-mail address : wolfgang.schaffers@chemetall.com

### **1.4 Emergency telephone number**

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

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## **SECTION 2: Hazards identification**

### **2.1 Classification of the substance or mixture**

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

Not a hazardous substance or mixture.

### **2.2 Label elements**

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

Not a hazardous substance or mixture.

#### **Additional Labelling**

EUH210 Safety data sheet available on request.  
EUH208 Contains a mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

### **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.

The information required is contained in this Material Safety Data Sheet.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Chemical nature : Polyacrylic emulsion

#### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (% w/w)
2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether	112-34-5 203-961-6 01-2119475104-44	Eye Irrit. 2; H319	>= 1 - < 2.5
a mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9 611-341-5	Acute Tox. 3; H331 Acute Tox. 3; H311 Acute Tox. 3; H301 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400 Skin Sens. 1A; H317 Aquatic Chronic 1; H410 M-Factor Acute aquatic toxicity:10  M-Factor Chronic aquatic toxicity:1	>= 0.0002 - < 0.0015

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : No hazards which require special first aid measures.
- If inhaled : No special precautions required.
- In case of skin contact : After contact with skin, wash immediately with plenty of water.
- In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
If eye irritation persists, consult a specialist.
- If swallowed : Rinse mouth.  
Prevent vomiting if possible.  
If symptoms persist, call a physician.

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

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

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

Treatment : Treat symptomatically.

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

#### **5.1 Extinguishing media**

Suitable extinguishing media : The product itself does not burn.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Foam  
Water spray jet  
Dry chemical

Unsuitable extinguishing media : High volume water jet

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

Specific hazards during fire-fighting : Combustion may cause:  
Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide

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

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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### **SECTION 6: Accidental release measures**

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

Personal precautions : Handle in accordance with good industrial hygiene and safety practice.

#### **6.2 Environmental precautions**

Environmental precautions : Inform the relevant authorities if it enters sewers, aquatic environment or soil.

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

Methods for cleaning up : Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).  
Keep in suitable, closed containers for disposal.  
Contaminated surfaces will be extremely slippery.

#### **6.4 Reference to other sections**

See chapter

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : No special precautions required.

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

Requirements for storage areas and containers : No special storage conditions required. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Further information on storage conditions : Protect from frost. Keep at temperatures between 5°C and 40°C.

Advice on common storage : No materials to be especially mentioned.

### 7.3 Specific end use(s)

Specific use(s) : High speed maintenance for floors

## 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-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether	112-34-5	TWA	10 ppm 67.5 mg/m <sup>3</sup>	2006/15/EC
Further information	Indicative			
		STEL	15 ppm 101.2 mg/m <sup>3</sup>	2006/15/EC
Further information	Indicative			
		TWA	10 ppm 67.5 mg/m <sup>3</sup>	GB EH40
		STEL	15 ppm 101.2 mg/m <sup>3</sup>	GB EH40

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

Substance name	End Use	Exposure routes	Potential health effects	Value
2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether	Workers	Inhalation	Long-term systemic effects	67.5 mg/m <sup>3</sup>
	Workers	Inhalation	Long-term local effects	67.5 mg/m <sup>3</sup>

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	Workers	Inhalation	Acute local effects	101.2 mg/m <sup>3</sup>
	Workers	Skin contact	Long-term systemic effects	20 mg/kg bw/day

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

Substance name	Environmental Compartment	Value
2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether	Fresh water	1 mg/l
	Marine water	0.4 mg/l
	Estuary sediment	4 mg/l

**8.2 Exposure controls**

**Personal protective equipment**

- Eye protection : not required
- Hand protection  
 Material : Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.
- Skin and body protection : not required
- 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**

- Appearance : liquid
- Colour : yellow
- Odour : mild
- Odour Threshold : No data available
- pH : 8.5 (20 °C)  
 Concentration: 1,000 g/l
- Melting point/freezing point : No data available
- Boiling point/boiling range : > 100 °C  
 Method: DIN 51751
- Flash point : No data available
- Evaporation rate : No data available
- Flammability (solid, gas) : No data available
- Upper explosion limit : No data available

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Lower explosion limit	:	No data available
Vapour pressure	:	23 hPa (20 °C) Information taken from reference works and the literature.
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	1.03 g/cm <sup>3</sup> (20 °C) Method: DIN 51757
Solubility(ies) Water solubility	:	500 g/l
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity Viscosity, dynamic	:	100 mPa*s (20 °C)
Viscosity, kinematic	:	No data available
Flow time	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available

## 9.2 Other information

Other physico-chemical properties: This information is not available/not determined.

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 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 : No decomposition if used as directed.

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### 10.5 Incompatible materials

Materials to avoid : None known.

### 10.6 Hazardous decomposition products

No data available

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Product:

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

#### Acute toxicity

##### Components:

##### **2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether:**

Acute oral toxicity : LD50 (Rat): 3,384 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 2,700 mg/kg

##### **a mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):**

Acute oral toxicity : LD50 (Rat): 457 mg/kg

Acute inhalation toxicity : LC50 (Rat): 2.36 mg/l  
Exposure time: 4 h

Acute dermal toxicity : LD50 (Rabbit): 660 mg/kg

#### 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.

May cause skin irritation in susceptible persons.

#### 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.

#### Germ cell mutagenicity

##### Product:

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

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### **Carcinogenicity**

**Product:**

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

### **Reproductive toxicity**

**Product:**

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

#### **STOT - single exposure**

**Product:**

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

#### **STOT - repeated exposure**

**Product:**

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

### **Aspiration toxicity**

**Product:**

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

### **Further information**

**Product:**

Remarks: Health injuries are not known or expected under normal use.

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## **SECTION 12: Ecological information**

### **12.1 Toxicity**

**Product:**

Ecotoxicology studies for the product are not available.

**Components:**

**2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether:**

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 2,750 mg/l  
Exposure time: 48 h  
Method: DIN 38412

LC50 (Lepomis macrochirus (Bluegill sunfish)): 1,300 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia (water flea)): 2,850 mg/l  
aquatic invertebrates Exposure time: 48 h

Toxicity to algae : NOEC (Desmodesmus subspicatus (green algae)): > 100 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 201

**a mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):**



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- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.19 mg/l  
Exposure time: 96 h  
  
LC50 (Lepomis macrochirus (Bluegill sunfish)): 0.28 mg/l  
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.16 mg/l  
Exposure time: 48 h  
Test Type: Immobilization  
  
NOEC (Daphnia magna (Water flea)): 0.035 mg/l  
Exposure time: 21 d
- Toxicity to algae : EC50 (Scenedesmus capricornutum (fresh water algae)): 0.027 mg/l  
Exposure time: 72 h
- M-Factor (Acute aquatic toxicity) : 10
- Toxicity to microorganisms : EC50 (Pseudomonas putida): 0.79 mg/l  
Exposure time: 16 h
- M-Factor (Chronic aquatic toxicity) : 1

## 12.2 Persistence and degradability

### Product:

Biodegradability : Remarks: No data available

## 12.3 Bioaccumulative potential

### Product:

Bioaccumulation : Remarks: No data available

### Components:

**a mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):**

Partition coefficient: n-octanol/water : log Pow: -0.486

## 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..

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## 12.6 Other adverse effects

### Product:

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

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not let product enter drains.  
Do not dispose of with domestic refuse.  
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Contaminated packaging : Dispose of in accordance with local regulations.

Waste Code : 140603 : other solvents and solvent mixtures

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## SECTION 14: Transport information

### 14.1 UN number

Not regulated as a dangerous good

### 14.2 UN proper shipping name

Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

### 14.4 Packing group

Not regulated as a dangerous good

### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

Refer to protective measures listed in sections 7 and 8.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

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## SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pol- : Not applicable

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lutants

Other regulations : The product is classified and labelled in accordance with EC directives or respective national laws.  
Regional or national implementations of GHS may not implement all hazard classes and categories.

## 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

## SECTION 16: Other information

### Full text of H-Statements

H301 : Toxic if swallowed.  
H311 : Toxic in contact with skin.  
H314 : Causes severe skin burns and eye damage.  
H317 : May cause an allergic skin reaction.  
H318 : Causes serious eye damage.  
H319 : Causes serious eye irritation.  
H331 : Toxic if inhaled.  
H400 : Very toxic to aquatic life.  
H410 : Very toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Aquatic Acute : Acute aquatic toxicity  
Aquatic Chronic : Chronic aquatic toxicity  
Eye Dam. : Serious eye damage  
Eye Irrit. : Eye irritation  
Skin Corr. : Skin corrosion  
Skin Sens. : Skin sensitisation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; 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

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
**L001-K30 Acryllon**



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es; (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; TCSI - Taiwan Chemical Substance 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.

GB / EN