

Safety Data Sheet

according to Regulation (EU) No. 1907/2006

ZE-KA-FIX RTU

Print date: 28.06.2010

Product code: 332

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1. Identification of the substance/preparation and of the company/undertaking**Identification of the substance or preparation**

ZE-KA-FIX RTU

Use of the substance/preparation

cleaning agent

Company/undertaking identification

Company name:	Leyco Chemische Leyde GmbH	
Street:	Industriestraße 155	
Place:	D--50999 Köln	
Telephone:	++49 (0) 2236-966-00-0	Telefax: ++49 (0) 2236-966-00-10
e-mail:	inkemann@leyde.com	
Contact person:	Eckart Inkemann	Telephone: ++49 (0) 2236-966-00-29
Internet:	www.leyde.com	
Responsible Department:	Eckart Inkemann	
Emergency telephone:	0049 (0) 2236 966 00 29	

2. Hazards identification**Classification**

No hazards resulting from material as supplied.

3. Composition/information on ingredients**Chemical characterization (Mixture)****Hazardous components**

EC-No.	CAS-No.	Chemical name	Quantity	Classification
231-633-2	7664-38-2	phosphoric acid 100 %, orthophosphoric acid ... %	5 - 10 %	C R34
200-579-1	64-18-6	formic acid 100 %	< 2 %	C R35
	24939-91-8	Isotridecanoethoxylat	< 2 %	Xn R22-41

Full text of each relevant R phrase can be found in heading 16.

4. First aid measures**General information**

Take off contaminated clothing and shoes immediately. Symptoms of poisoning may only appear several hours later. Keep under medical supervision for at least 48 hours.

After inhalation

Move to fresh air. Oxygen or artificial respiration if needed. Keep warm and in a quiet place. If symptoms persist, call a physician.

After contact with skin

Wash off with soap and plenty of water.

After contact with eyes

Rinse thoroughly with plenty of water, also under the eyelids. Consult a physician.

After ingestion

Call a physician immediately. Immediately give large quantities of water to drink. Move to fresh air.

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5. Fire-fighting measures**Suitable extinguishing media**"Use dry chemical, CO₂, water spray or ""alcohol"" foam."**Extinguishing media which must not be used for safety reasons**

None known.

Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases

In the event of fire and/or explosion do not breathe fumes.

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus. tightly fitting safety goggles Eye wash bottle with pure water

6. Accidental release measures**Personal precautions**

Use personal protective equipment. Evacuate personnel to safe areas. (8)

Environmental precautions

Do not flush into surface water or sanitary sewer system. Dilute with water.

Methods for cleaning up/taking up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Additional information

Ensure adequate ventilation. Soak up with inert absorbent material and dispose of as hazardous waste. Neutralise with lime milk or soda and flush with plenty of water.

7. Handling and storage**Handling****Advice on safe handling**

Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Storage**Further information on storage conditions**

Keep tightly closed.

Storageclass (VCI):

12

Specific use(s)/replacement product(s)**8. Exposure controls/personal protection****Exposure limit values****Exposure limits (EH40)**

CAS-No.	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
64-18-6	Formic acid	5	9.6		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
7664-38-2	Orthophosphoric acid	-	1		TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL

Exposure controls

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Protective and hygiene measures

Keep away from food, drink and animal feeding stuffs. Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday. Avoid contact with the skin and the eyes.

Respiratory protection

Respirator with combination filter for vapour/particulate. (BP 2)

Hand protection

protective gloves: butylrubber PVC or other plastic material gloves(0,5 mm) Polyvinyl alcohol or nitrile-butyl rubber gloves (0,35 mm) Break through time > 8 h

Eye protection

tightly fitting safety goggles

9. Physical and chemical properties**General information**

Physical state: liquid
 Colour: green
 Odour: characteristic

Important health, safety and environmental information

	Test method
pH-Value (at 20 °C):	< 1,0

Changes in the physical state

Melting point:	not determined
Boiling point:	85 °C
Flash point:	not applicable

Flammability

not applicable

Explosive properties

acidic, liquid

Vapour pressure: (at 20 °C)	23 hPa
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Vapour pressure: (at 50 °C)	< 110 hPa
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Density (at 20 °C):	1,06 g/cm ³
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Water solubility: (at 20 °C)	miscible
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Other information**Auto-ignition temperature**

not applicable

Solid:

Gas:

10. Stability and reactivity**Conditions to avoid**

To avoid thermal decomposition, do not overheat.

Materials to avoid

Decomposes by reaction with alkaline solutions.

11. Toxicological information

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12. Ecological information**Ecotoxicity**

Waterbezwaarlijkheid (Nederland) : 11

Saneringsinspanning (Nederland) : B

Persistence and degradability

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their request or at the request of a detergent manufacturer.

13. Disposal considerations**Advice on disposal**

Solutions with low pH-value must be neutralised before discharge.

Waste disposal number of used product

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors
Classified as hazardous waste.

Contaminated packaging

Rinse empty containers with water and use the rinse-water to prepare the working solution.

14. Transport information**Land transport (ADR/RID)****Other applicable information (land transport)**

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

Inland waterways transport**Other applicable information (inland waterways transport)**

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

Marine transport

Limited quantity: 1 L

Other applicable information (marine transport)

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

Air transport**Other applicable information (air transport)**

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

15. Regulatory information**Labelling****S phrases**

- | | |
|----|---|
| 01 | Keep locked up. |
| 02 | Keep out of the reach of children. |
| 25 | Avoid contact with eyes. |
| 26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| 45 | In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). |

National regulatory information

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Water contaminating class (D): 1 - slightly water contaminating

Additional information

Waterbezwaarlijkheid (Nederland) : 11

Saneringsinspanning (Nederland) : B

16. Other information**Full text of R-phrases referred to under sections 2 and 3**

- 22 Harmful if swallowed.
- 34 Causes burns.
- 35 Causes severe burns.
- 41 Risk of serious damage to eyes.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)