

Safety Data Sheet

according to Regulation (EU) No. 1907/2006

ZE-KA-FIX

Print date : 17.07.2007

Product code : 003

Page 1 of 5

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

ZE-KA-FIX

Company/undertaking identification

Company name :	Leyco Chemische Leyde GmbH	Telefax : ++49 (0)
Street :	Industriestraße 155	2236-966-00-10
Place :	D--50999 Köln	Telephone : ++49 (0)
Telephone :	++49 (0) 2236-966-00-0	2236-966-00-29
Contact person :	Eckart Inkemann	
Inquiry office :	Eckart Inkemann	
Emergency telephone :	0049 (0) 2236 966 00 29	

2. Hazards identification**Classification**

Indications of danger : Corrosive

R-phrases :

Causes burns.

Causes burns. Irritating to eyes. Irritating to respiratory system. Irritating to skin.

Explication of special hazards for human health and environment

Causes burns.

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

EC-No.	CAS-No.	Chemical name	Quantity	Classification
231-633-2	7664-38-2	Phosphoric acid	> 50 %	C R34
200-579-1	64-18-6	Acide formique	5-10 %	C R35
	24939-91-8	Isotridecanoethoxylat	<5 %	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.

Safety Data Sheet

according to Regulation (EU) No. 1907/2006

ZE-KA-FIX

Print date : 17.07.2007

Product code : 003

Page 2 of 5

5. Fire-fighting measures**Suitable extinguishing media**"Use dry chemical, CO₂, water spray or "alcohol" foam."**Special exposure hazards arriving 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.

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.

8. Exposure controls/personal protection**Exposure limit values****Exposure limits (EH40)**

CAS No.	Substance	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**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.

Safety Data Sheet

according to Regulation (EU) No. 1907/2006

ZE-KA-FIX

Print date : 17.07.2007

Product code : 003

Page 3 of 5

Respiratory protection

Breathing apparatus with filter.

Hand protection

protective gloves

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

pH-Value (at 20 °C) :	< 1,0	Test method
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	
Vapour pressure : (at 50 °C)	< 110 hPa	
Density (at 20 °C) :	1.43 g/cm ³	
Water solubility : (at 20 °C)	miscible	
<u>Other information</u>		
Auto-ignition temperature		not applicable
Solid :		
Gas :		

10. Stability and reactivity**11. Toxicological information**

Corrosive and irritant effects
 corrosive effects

12. Ecological information**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

Safety Data Sheet

according to Regulation (EU) No. 1907/2006

ZE-KA-FIX

Print date : 17.07.2007

Product code : 003

Page 4 of 5

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)**

UN number :	1805
ADR/RID class :	8
Warning plate	
Hazard-no. :	80
Hazard label :	8
ADR/RID packing group :	III

Inland waterways transport

UN number :	1805
ADNR class :	8

Marine transport

UN number :	1805
IMDG code :	8
Marine pollutant :	-
Hazard label :	8
IMDG packing group :	3
EmS :	8-08

Air transport

UN/ID number :	1805
ICAO/IATA-DGR :	8
Hazard label :	8
ICAO packing group :	3

15. Regulatory information**Labelling**

Danger symbols : C - Corrosive



C - Corrosive

R phrases

34 Causes burns.

S phrases

01 Keep locked up.
02 Keep out of the reach of children.
24 Avoid contact with skin.
25 Avoid contact with eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Safety Data Sheet

according to Regulation (EU) No. 1907/2006

ZE-KA-FIX

Print date : 17.07.2007

Product code : 003

Page 5 of 5

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

National regulatory information

Water contaminating class : 1 - slightly water contaminating

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.

Other data

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.)