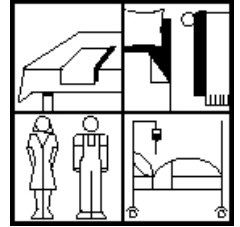


Diapur



Heavy Duty Delimer

- suitable for deliming of commercial dishwashers and washing machines
- regular use in hard water areas maintains maximum efficiency of machines
- should not be used on copper, zinc alloys and porous enamel or marble surfaces
- suitable also for deliming of textiles

Application:

Acidic heavy duty delimer – suitable for dishwashers, washing machines and textiles, too.

Directions for use:

Our specialist will make specific recommendations based on individual kitchen or laundry conditions.

General recommendations:

- no detergent dosing into the machine
- 15 to 30 ml of Diapur for each liter of water
- runtime of the machine 20-30 min. at the temperature 50-70°C
- rinse thoroughly

Health and Safety:

Please follow the safety instructions found in our Material Safety Data Sheet (MSDS).

Composition:

Declaration acc. to EC recommendation 89/542

Further ingredients:	phosphoric acid
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Physical and chemical data:

Density	1,39 g/cm ³
pH ^{*)}	1,3

*) for 1% solution in softened water

Packaging:

Unit	Code	Units/ palette
12 kg PE-jug	DI12	

Storage:

Store in a cool, dry place.
Storage stability: 0°C to +40°C.

Material Safety Data Sheet according to 91/155/EEC - ISO 11014-1

DIAPUR

1. Identification of the product and of the company

Identification of the product:

DIAPUR

delimer for professional use

Company/undertaking identification:

Ecolab Deutschland GmbH, Postfach 130406,
40554 D}sseldorf, Tel.: 0211/9893-0

The Henkel information service also provides an around-the-clock telephone service on telephone No. ++49-(0)211/797-3350 for exceptional cases.

2. Composition/information on ingredients

Declaration according recommendation 89/542/EEC:

Further ingredients: phosphoric acid

Declaration of ingredients:

> 30 % phosphoric acid

Symbol: C

R-phrase: 34

EINECS: 231-633-2

3. Hazards identification of the product

C Corrosive

R 34: Causes burns

4. First aid measures

In case of an accident, show physician label or safety data sheet

after inhalation:

Fresh air, consult doctor if complaints persist.

after skin contact:

Rinse with running water and soap. Skin care. Remove contaminated clothes.

after eye contact:

Immediately flush eyes with copious amounts of running water (for 10 minutes), see an oculist.

after ingestion:

Rinse out mouth, drink 1-2 glasses of water, seek medical advice.

Do not initiate vomiting; instantly call for medical help.

Material Safety Data Sheet according to 91/155/EEC - ISO 11014-1

DIAPUR

5. Fire-fighting measures

Suitable extinguishing media:
suitable for all regular extinguishing materials

Extinguishing media which must not be used for safety reasons:
none known

Special exposure hazards arising from the product itself, from combustion products or from resulting gases:
none known

Special protective equipment for firefighters:
Wear protective equipment. see point 8

6. Accidental release measures

Personal precautions:
Do not inhale aerosols.
Avoid contact with skin and eyes.
Wear protective equipment. see point 8
Escaping product causes danger of slipping.

Environmental precautions:
Do not allow large amounts to be released into the sewer system.

Methods of cleaning up/of removing:
use also chemical absorbents
neutralize with soda
wash away residue with plenty of water.

7. Handling and storage

Handling:
Extract product from the supply container using only the dispensing aids recommended by Ecolab.
Open and handle container with care.

Storage:
Store only in the original container.
Do not keep together with alkaline solutions in one container.

Storage Class: VCI-storage class: 8B (BRD)

Material Safety Data Sheet according to 91/155/EEC - ISO 11014-1

DIAPUR

8. Exposure controls / personal protection

Information on the system design:

No further data, see item 7.

Components with specific control parameters:

Pollution at the working place can be excluded in normal processing procedures.

Personal protection:

Hand protection:

Wear Category III (EN 374) chemical protective gloves made of butyl rubber or nitrile rubber. Please observe the glove manufacturer's instructions on permeability and rupture times as well as the specific workplace conditions.

Eye protection:

goggles which can be tightly sealed

Skin protection:

suitable protective clothing

safety shoes or closed footwear

9. Physical and chemical properties

Physical state:	liquid
Colour:	colourless
Odour:	odourless
pH:	(undiluted) (20°C) ca.1,0
Flash point:	not applicable
Relative density:	(20°C) ca.1,37 g/cm ³
Solubility:	Soluble in water (20 °C) unlimited

10. Stability and reactivity

Conditions to avoid:

none known

Materials to avoid:

Reacts with hypochlorite containing detergents to chlorine gas

Reacts with alkalis: heat generated

Hazardous decomposition products:

none known

Material Safety Data Sheet according to 91/155/EEC - ISO 11014-1

DIAPUR

11. Toxicological information

Skin contact:

The product causes corrosion on skin and mucous membranes.

Eye contact:

strong corrosive effect

Risk of serious damage to eyes

12. Ecological information

Persistence and degradability:

Inorganic product.

13. Disposal considerations

The valid EWC waste code numbers are not product- related but are largely source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various branches. These can be requested from the manufacturer.

Use rest of contents as far as possible according to instructions.

Can be added to materials collection after completely emptying.

Cleaning of packaging material with water.

14. Transport information

Transport over land ADR/RID:

UN-Number: 1805

Proper shipping name: Phosphoric acid, liquid, solution

Class: 8

Packaging group: III

Classification Code: C1

Special provision 640:

Label: 8

Transport over inland waterways ADN/ADNR:

UN-Number: 1805

Proper shipping name: Phosphoric acid, liquid, solution

Class: 8

Packaging group: III

Classification Code: C1

Special provision 640:

Label: 8

Transport over sea IMDG:

UN-Number: 1805

Proper shipping name: Phosphoric acid, liquid, solution

Class: 8

Packaging group: III

Marine Pollutant:

Label: 8

EmS: 8-08

Material Safety Data Sheet according to 91/155/EEC - ISO 11014-1

DIAPUR

Transport by air ICAO/IATA:

UN-Number: 1805

Proper shipping name: Phosphoric acid, liquid, solution

Class: 8

Packaging group: III

Packaging-Instruction (cargo): 821 Max. Gesamt: 60 L

Packaging-Instruction (passenger): 819 Max. Gesamt: 5 L

Label: 8

15. Regulatory information

Classification and labelling according to GefStoffV:

Symbols of danger:

C Corrosive

Ingredients:

phosphoric acid

R-phrases:

R 34: Causes burns

S-phrases:

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S 36/37/39: Wear suitable protective clothing, gloves and eye/face protection

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

National prescriptions:

WGK = 1, slightly water-endangering product (manufacturer classification in conformity with the calculation method of the German VwVwS of May 17, 1999).

UBA-Nr.: 0779 1056

16. Other information

The product is provided for the professional user.

Full text of the R-phrases indicated by codes in this safety data sheet.

The product code/identification/designation is indicated in Section 15.

R 34: Causes burns