



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY/PARTNERSHIP

01. Product name: **Dreumex Alu Cleaner**
02. Supplier: Dreumex B.V.
- Address: Dommelstraat 1
Domicile: 5347 JK, Oss, The Netherlands
Post-box: Postal box 681, 5340 AR, Oss, The Netherlands
Phone-number: +31 (0)412-406 506
Phone-number (emergency): +31 (0)30-2748 888
Fax-number: +31 (0)412-406 509
E-mail address: mail@dreumex.com
Website: www.dreumex.com
03. Product application: Concentrated acid cleaner. Professional use.

2. HAZARDS IDENTIFICATION.

01. Most important hazard
- Hazard designations
R34 Causes burns.
02. Particular hazards
- Reacts vigorously in contact with alkalines. Strong heat development possible.

3. COMPOSITION / INFORMATION ON INGREDIENTS

01. Ingredients declaration

In conformity with the EC-guideline this product has to be considered as a preparation.
(91/155/EEG, 93/112/EG, 2001/58/EG)

Composition

Percentage

Non-ionic surface-active materials

< 5%

02. Composition

Hazardous Ingredient	Concentration	Cas-Number	EC-Number
Citric Acid Label symbol Xi R-Phrases R36	1,0 - 5,0%	77-92-9	201-069-1
Phosphoric acid Label symbol C R-Phrases R34	15,0 - 25,0%	7664-38-2	213-633-2
Alcohol(C9-11)EO(5-15) Label symbol Xn R-Phrases R22,R41	1,0 - 5,0%	68439-46-3B	POLYMER

03. Special components (sensitizing component or preservatives)

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4. FIRST AID MEASURES

Inhalation

- By irritation of the bronchial tubes, take victim in fresh air.

Skin contact

- In case of skin-irritation (redness), flush with plenty of water and remove contaminated clothing.

Contact with eyes

- The product causes injuries to cornea and eyelids. Immediately flush with plenty of (lukewarm) water. During flushing the eyelids have to be apart from the eye-ball for a good rinse.

Ingestion

- Rinse mouth with water. Let victim drink a lot of water, do not induce vomiting.

Consult a doctor

- Always get medical aid.

- In case of contact with eyes also consult an eye specialist.

- If possible show him this label.

5. FIRE FIGHTING MEASURES

Flammability of the product.

- The product is not flammable.

Permitted extinguish method and fire-extinguisher.

- Waterjet

- Waterspray

- Powder

- Foam

- A.F.F.F.

- Carbon dioxide (carbonic acid).

Special hazards in case of fire.

- None



6. ACCIDENTAL RELEASE MEASURES

Personal precautions.

- Danger of slipping. Immediately clean up spoiled product.

Concerning personal protection see under Heading 8.

Environmental precautions.

- Avoid that the product ends up in the surface- and/or ground water.

Leak and spill procedures.

- Rinse spoiled product with plenty of water in the sewer.

7. HANDLING AND STORAGE

Handling

- Avoid contact with skin and clothes.
- Take the usual measures for working with dangerous substances.

Storage.

- Store these products as dangerous goods.
- Do not store these products together with flammable liquids.
- Keep products tightly closed.

Particular requirements.

- Do not store these products together with hydroxides.

Further information.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General measures.

- Observe for the dosage and handling of this product the directions of use.

Protection of body and skin.

- The normal measures of precaution when using the detergents have to be observed.

Protective equipment.

- Wear chemical safety and protecting clothes.

Respiratory protection.

- Under normal circumstances breath-protection is not required.

Hand protection.

- Wearing chemical safety gloves is strongly advised.

Eye protection.

- Wearing protective eyeglasses is recommended.

Prevention of swallowing.

- Do not eat or smoke during working with these chemicals.

Marginal value exposure.

- For this product there are no exposed marginal values established.

Components with marginal values which concerning the workplace have to be complied with.

Name of the product	Mac ceiling val	MAC TGG 8	MAC-TGG 15
Phosphoric acid		1 mg/m ³	2 mg/m ³

(*) Smooth skin absorption.

9. PHYSICAL AND CHEMICAL PROPERTIES

01. Physical and chemical properties

Appearance:	Liquid
Colour:	Characteristic raw material colour.
Odour:	Not perfumed. Characteristic smell
Solubility in water:	Readily soluble.
Specific mass (kg/l):	1,154
Boiling point / Boiling way:	> 100°C
Melting point / Melting way:	< 5°C

02. Particular properties

pH-value:	<1
Ignition-point:	n.a.
Analysis temperature:	n.a.
Explosive:	n.a.

10. STABILITY AND REACTIVITY

Stability.

- Under normal circumstances the product is stable.

Conditions to avoid.

- See heading 7.

To avoid substances.

- Metals.

- Do not mix the product with other detergents.

Hazardous decomposition products.

- No data available.

11. TOXICOLOGICAL INFORMATION

Acute toxicity.

- No toxicological data available.

Remaining toxicological information.

- No toxicological data available.

Further information.

- No toxicological data available.

12. ECOLOGICAL INFORMATION

The biodegradability of the used surface active materials in this product comply with the detergents Directive (EC 648/2004).

- In large quantities there can take place acidification of the surface- or ground water, whereby damage to living organism can raise.

13. DISPOSAL CONSIDERATIONS

General.

- See heading 6.
 - There is no uniform EC regulation for the disposal of chemicals or waste products and the packaging thereof. Chemical waste can normally be seen as special waste. The disposal of this type of waste must comply with the local regulations. We advise u to contact the competent authorities in your region for matters of this kind
- Product.
- In case of spoil or slight leak immediately rinse with plenty of water in the waste sewer. Larger quantities have to be regained and/or recycled. If not possible remove to an authorised waste processor.

Packaging.

- Washed packing can be handled like normal waste.

National and/or European legislation.

- Reminders of this product and not-washed packing are chemical waste according the directives 2001/118/EC, 2001/119/EC and 2001/573/EC

Waste code.

- 06 01 04: Phosphoric acid and phosphorous acid.

14. TRANSPORT INFORMATION

UN No.:	UN1805
Proper shipping name:	1805 Phosphoric acid

01. Land transport

ADR Class / Packing group:	8
Packing group:	III

15. REGULATORY INFORMATION

01. Label symbol

C	Corrosive
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02. Risk phrases (R)

R34	Causes burns.
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03. Safety phrases (S)

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
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S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
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Contains:	Phosphoric acid
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16. REMAINING INFORMATION

R-phrases description 100%.

- R36 Irritating to eyes.
- R34 Causes burns.
- R22 Harmful if swallowed.
- R41 Risk of serious damage to eyes.

The information in this MSDS concerns the product mentioned in heading 1 and is given on the assumption that the product will be used in a way and for purposes indicated by the manufacturer. The information above is believed to be accurate and represents the best information currently available to us. Users should make their own investigations to determine the suitability of the information for their particular purposes. It is recommendable to pass the information from this MSDS, if necessary adjusted, to personnel/ party concerned.

In accordance with: REACH Regulation EG 1907/2006.
Date of revision: 07-04-2009