

**Material Safety Data Sheet**

According to 91/155 EEC

Printing date 04.04.2007

Reviewed on 21.03.2007

**1 Identification of the substance/preparation and of the company/undertaking****Product details**Trade name Adexin ZE

Safety data sheet no.: 49PD10098/8

Application of the substance / the preparation Paint remover

**Manufacturer/Supplier:**

maxit France s.a.s

4 rue de Mulhouse

Boîte Postale 27

F-68180 Horbourg-Wihr

Tel.: ++33(0)3 89 20 10 80

FAX: ++33(0)3 89 20 10 92

**Information in case of emergency:**

maxit France s.a.s

Tel.: ++33(0)3 89 20 10 80

**2 Composition/information on ingredients****Chemical characterization****Description:** Mixture: consisting of the following components.**Dangerous components:**

|             |                   |                                                                                                                                                                                            |       |
|-------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 217647-01-0 | hydrogen chloride |  C,  Xi; R 34-37 | > 50% |
|-------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|

**Additional information** For the wording of the listed risk phrases refer to section 16.**3 Hazards identification****Hazard description:**

C Corrosive

**Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 34 Causes burns.

R 37 Irritating to respiratory system.

**Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**4 First aid measures****General information**

Immediately remove any clothing soiled by the product.

Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

**After inhalation**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

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**After skin contact**

Immediately wash with water and soap and rinse thoroughly.

Call a doctor immediately.

**After eye contact**

Rinse opened eye for several minutes under running water. Then consult doctor. Rinse liquid should be tempered (20-30°C).

**After swallowing** Drink plenty of water and provide fresh air. Call for a doctor immediately.**Information for doctor****Treatment** If swallowed, gastric irrigation with added, activated carbon.**5 Fire fighting measures****Suitable extinguishing agents**

Use fire extinguishing methods suitable to surrounding conditions.

**Special hazards caused by the substance, its products of combustion or resulting gases:**

In case of fire, the following can be released:

Hydrogen chloride (HCl)

**Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

**6 Accidental release measures****Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.**Measures for environmental protection:**

The product must not get into watercourses or into the soil.

**Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralizing agent.

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

**7 Handling and storage****Handling****Information for safe handling:**

Keep receptacles tightly sealed.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

**Information about fire - and explosion protection:** No special measures required.**Storage****Requirements to be met by storerooms and receptacles:** Store in a cool location.**Information about storage in one common storage facility:**

Do not store together with alkalis (caustic solutions).

Store away from metals.

Store away from foodstuffs.

**Further information about storage conditions:** Store receptacle in a well ventilated area.

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**8 Exposure controls and personal protection****Additional information about design of technical facilities:** No further data; see item 7.**Ingredients with limit values that require monitoring at the workplace:****Additional information:**

The applicable TRGS 900 (MAK list) was used as the basis for the preparation and/or revision of this safety data sheet.

**Personal protective equipment:****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not inhale gases / fumes / aerosols.

**Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Short term filter device:

Filter B.

**Protection of hands:**

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

Butyl rubber, BR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Tightly sealed goggles**Body protection:** Acid resistant protective clothing**9 Physical and chemical properties:****General Information**

|                |                   |
|----------------|-------------------|
| <b>Form:</b>   | Fluid             |
| <b>Colour:</b> | transparent green |
| <b>Odour:</b>  | Pungent           |

**Change in condition**

|                                     |                    |
|-------------------------------------|--------------------|
| <b>Melting point/Melting range:</b> | -50 ° C            |
| <b>Boiling point/Boiling range:</b> | 90°C (194°F) (DIN) |

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|                                                |                                               |
|------------------------------------------------|-----------------------------------------------|
| <b>Flash point:</b>                            | Not applicable                                |
| <b>Ignition temperature:</b>                   | Not applicable                                |
| <b>Self-igniting:</b>                          | Product is not selfigniting.                  |
| <b>Danger of explosion:</b>                    | Product does not present an explosion hazard. |
| <b>Explosion limits:</b>                       |                                               |
| <b>Lower:</b>                                  | Not applicable                                |
| <b>Upper:</b>                                  | Not applicable                                |
| <b>Vapour pressure at 20°C (68°F):</b>         | 20 hPa (15 mm Hg)                             |
| <b>Density at 20°C (68°F):</b>                 | 1,15 g/cm <sup>3</sup> (DIN 51757)            |
| <b>Bulk density:</b>                           | Not applicable.                               |
| <b>Solubility in / Miscibility with Water:</b> | Fully miscible                                |
| <b>pH-value at 20°C (68°F):</b>                | < 1 (DIN 19261)                               |
| <b>Viscosity:</b>                              |                                               |
| <b>dynamic:</b>                                | Not determined.                               |
| <b>kinematic:</b>                              | Not determined.                               |
| <b>Solvent separation test:</b>                | Not applicable.                               |
| <b>Solvent content:</b>                        |                                               |
| <b>Organic solvents:</b>                       | 0,0 %                                         |
| <b>Water:</b>                                  | 69,0 %                                        |
| <b>Additional information:</b>                 | None.                                         |

**10 Stability and reactivity****Thermal decomposition / Conditions to be avoided:**

No decomposition if used according to specifications.

**Dangerous reactions:**

Violent reaction with concentrated alkali and oxidizing agents

Corrosive action on metals

Reacts with metals forming hydrogen

**Dangerous decomposition products:** Hydrogen chloride (HCl)**11 Toxicological information****Acute toxicity:****LD/LC50 values relevant for classification:**

| Components                         | Type | Value     | Species  |
|------------------------------------|------|-----------|----------|
| <b>7647-01-0 hydrogen chloride</b> |      |           |          |
| Oral                               | LD50 | 900 mg/kg | (rabbit) |

**Primary irritant effect:****on the skin:** Caustic effect on skin and mucous membranes.**on the eye:** Strong caustic effect.**Sensitization:** No sensitizing effects known.**Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

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Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

**12 Ecological information:****Information about elimination (persistence and degradability):****Other information:** The product is difficultly biodegradable.**Ecotoxicological effects:****Aquatic toxicity:****Type of test Effective concentration Method Assessment****7647-01-0 hydrogen chloride**

EC 10 56 mg/l (Daphnia magna (großer Wasserfloh))

LC50/96h 20 mg/l (Lepomis macrochirus (Sonnenbarsch))

**Remark:**

The product contains substances which cause a local pH change and thus have a detrimental effect on fish and bacteria.

**Remark:** The product causes a significant pH change. Neutralise before introduction.**General notes:**

Do not allow product to reach ground water, water course or sewage system.

Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

**13 Disposal considerations****Product:****Recommendation**

Dilute concentrate with water and neutralize afterwards with suitable alkali material (sodium hydroxide solution, lime). The formed neutral salts are relatively environment-friendly.

**Uncleaned packaging:****Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

**Recommended cleaning agent:** Water, if necessary together with cleansing agents.**14 Transport information****Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)****ADR/RID-GGVS/E Class:** 8 (C1) Corrosive substances.**Danger code (Kemler):** 80**UN-Number:** 1789**Packaging group:** II**Hazard label** 8

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**Description of goods:** 1789 HYDROCHLORIC ACID, solution**Maritime transport IMDG/GGVSea:**

**IMDG/GGVSea Class:** 8  
**UN Number:** 1789  
**Label** 8  
**Packaging group:** II  
**EMS Number:** F-A,S-B  
**Marine pollutant:** No  
**Proper shipping name:** HYDROCHLORIC ACID, solution

**Air transport ICAO-TI and IATA-DGR:**

**ICAO/IATA Class:** 8  
**UN/ID Number:** 1789  
**Label** 8  
**Packaging group:** II  
**Proper shipping name:** HYDROCHLORIC ACID, solution

**15 Regulatory information****Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.  
 Observe the general safety regulations when handling chemicals.

**Code letter and hazard designation of product:**

C Corrosive

**Hazard-determining components of labelling:**

hydrogen chloride

**Risk phrases:**

34 Causes burns.  
 37 Irritating to respiratory system.

**Safety phrases:**

2 Keep out of the reach of children.  
 23 Do not breathe fumes.  
 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 28 After contact with skin, wash immediately with plenty of water.  
 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
 46 If swallowed, seek medical advice immediately and show this container or label.

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**16 Other information:**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant R-phrases**

34 Causes burns.

37 Irritating to respiratory system.

**Department issuing MSDS:** Product safety department**Contact:** Mr Gilles Weber, Tel.: ++33(0)3 89 20 10 93**\* Data compared to the previous version altered.**

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