

POCH Safety Data Sheet

According to EC Directive 2001/58/CE. Creation date / last update: 2004-03-19 / 2004-08-13

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

ANALYTICAL WEIGHED AMOUNT HYDROCHLORIC ACID 0,5MOL/L (0,5 N)

Catalogue Numbers: -575308166;

Use of the substance / preparation: reagent for analysis or synthesis

POCH SA

44-101 Gliwice, Sowinskiego Str. 11

tel.: +48 32 23-92-381; fax: +48 32 23-92-370; e-mail: export@poch.com.pl

Emergency telephone no: +48 606-659-006

2. Hazard identification

No hazardous product as specified in Directive 67/548/EEC.

3. Composition/information on ingredients

Synonyms: *aqueous solution of hydrogen chloride*

CAS-No.: 7647-01-0

Molecular mass: 36.46

Molecular formula: *HCl*

WE Number: 231-595-7

4. First aid measures

After eye contact: *rinse out with plenty of water with the eyelid held wide open.*

After skin contact: *wash off with plenty of water. Take off contaminated clothing.*

After swallowing: *make victim drink plenty of water. Summon doctor if victim feeling unwell.*

After inhalation: *fresh air*

5. Fire-fighting measures

Suitable extinguishing media: *in adaption to materials stored in the immediate neighbourhood*

Special risk: *hydrogen may liberate upon contact with metals (danger of explosion)*

Special protective equipment for fire fighting:

Other information: *non-combustible*

Prevent fire-fighting water from entering surface water or groundwater. Cool container with spray water from a safe distance.

Contain escaping vapours with water.

6. Accidental release measures

Do not inhale vapours/aerosols. Take up with liquid- absorbent material. Forward for disposal. Clean up affected area. Render harmless: neutralize with dilute sodium hydroxide solution or sodium carbonate solution.

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7. Handling and storage

Handling: *Use with adequate ventilation. Use of the basic principles of Industrial Hygiene. Use according to good industry practice. Work under hood. Do not inhale substance. Do not empty into sewerage system. Use protective equipment according to p.8. Avoid skin contact.*

Storage: *tightly closed. Dry well-ventilated place. At +15 to +25 deg C. Do not use metals containers.*

8. Exposure controls/personal protection

Specific control parameter: *max. workplace conc.: 5 mg/m³, peak limit: 10 mg/m³ as hydrochloric.*

Provide exhaust ventilation. Ensure the eye wash station and safety showers. Protective equipment should be selected for the working place, depending on concentration and quantity of the hazardous product handled. The resistance of the protective clothing to chemicals should be ascertained with respective supplier.

Personal protective equipment:

respiratory protection: *required when vapours/aerosols are generated - gas mask with specific absorber.*

eye protection: *required - safety goggles.*

hand protection: *required - protective clothing.*

body protection: *required - protective clothing.*

industrial hygiene: *immediately change contaminated clothing. Apply skin - protective barrier cream. Wash hands and face after working with substance.*



9. Physical and chemical properties

Form: *liquid*

Colour: *colourless*

Odour: *pungent*

pH value: *<1, (20°C)*

Melting point: *not available*

Boiling point: *not available*

Ignition temperature: *not applicable*

Flash point: *not applicable*

Explosion limit: *not applicable*

lower:

upper:

dynamic viscosity:

kinematical viscosity:

Vapour pressure: *not available*

Density: *- 1,04 g/cm³ (20°C)*

Bulk density: *not applicable*

Solubility:

in water: *soluble*

in organic solvents: *not available*

log P(w/o):

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10. Stability and reactivity

Conditions to be avoided: *no special requirements*

Substances to be avoided: *aluminium, amines, alkali metals, metals, potassium permanganate, strong alkalis, conc. sulfuric acid.*

Hazardous decomposition products: *no information available*

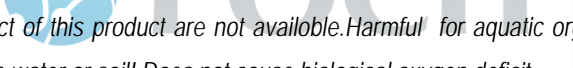
Other information: *unsuitable working materials: metals and metal alloys (releases hydrogen)*

11. Toxicological information

Toxicological information: *Lc50(inhalation, rat): 3124(v)/1h (on pure substance)*

Other information: *After inhalation: slight irritations of mucous membranes, coughing and dyspnoea, after skin and eye contact: irritations symptoms, after swallowing: slight irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.*

12. Ecological information

 *Quantitative data on the ecological effect of this product are not available. Harmful for aquatic organisms. Harmful effect due to pH shift. Do not allow to enter waters, waste water or soil! Does not cause biological oxygen deficit.*

13. Disposal considerations

POCh product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system. Handle contaminated packing in the same way as the substrate itself. Always contact a permitted waste disposal to assure compliance with all current local, state and federal regulations.

14. Transport information

ADR Class and package group: *8, II*

UN Number: *1789*

Name (acc. to UN): *hydrochloric acid*

15. Regulatory information

Labelling according to EC Directives.

Symbol: *not applicable;*

R-phrases: *not applicable;*

S-phrases: *not applicable;*

16. Other information

Reason for alteration: general update.

Informations contained in this SDS while accurate to the best knowledge