

Material safety data sheet according 91/155/EWG

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1. Chemical product and company identification

Trade name: **75-30 Power Cleaner Ultra**

Techno Service GmbH

Detmolder Str. 515, D-33605 Bielefeld

Phone-no. +521 / 924440

Information department: product security phone: +521 / 924440

Phone-no of supplier for emergency information: +521 / 924440

2. Composition/information on ingredients

Chemical characteristics:

Aqueous, acidic cleaner.

Dangerous ingredients:

Name	CAS-no.	weight %	Labelling
Hydrochloric acid	7647-01-0	18 - 25 %	C, R 34 - 37

3. Possible risks

Irritant. Irritating to eyes, respiratory system and skin.

4. First aid measures

General instructions	: change saturated clothing
In case of inhalation	: fresh air
In case of skin contact	: wash off with water and soap, cream
After contact with eyes	: rinse eyes thoroughly with water, consult physician
After ingestion	: Rinse out mouth with water and give plenty of water to drink. Summon physician.

5. Fire-fighting measures

Suitable extinguishing media	: all extinguishing media possible
Extinguishing media that must not be used	:

6. Accidental release measures

Cleaning/Take-up-processes	: Soak up with absorbent material. Rinse small amounts with quantities of water. Neutralise with lime.
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7. Handling and storage

Handling:

Instructions for safe handling : Keep containers tightly closed.

Storage:

Requirements for storage rooms: protect against sub-zero temperatures.

Storing temperature min. : 0°C

Storing temperature max. : 50°C

8. Exposure controls / personal protection

Ingredients with limiting values to be controlled : Hydrochloric acid TLV = 5 ppm (TLV = Threshold limit value)

Personal protective outfit:

General protection and

hygienic measures: : Wash hands before break and after work. Remove contaminated clothing. Pay attention to the generally hygiene in the workplace instruction.

Hand protection : wear suitable gloves

Eye protection : goggles

Body protection : n.a.

Inspiratory protection : n.a.

9. Physical and chemical properties:

Form : liquid

Colour : light

Odour : characteristic

Safety relevant data:

Boiling point : 96°C

Melting point : 0°C

Flash point : n.a.

Autoignition temperature : n.a.

Explosion hazard

lower explosion limit : n.a.

upper explosion limit : n.a.

Density : approx. 1,1 g/ml (20°C)

Solubility : soluble

pH-value : 1

10. Stability and reactivity

Hazardous reactions : No hazardous reactions known.

Hazardous decomposition products

: production of hydrogen in contact with base metals

Thermal decomposition : mixture of chlorine-hydrogen and water from 110°C upwards

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11. Toxicological information

Contact with eyes, skin and mucousal tissue could causes irritation.
Sensitisation: no negative effect known.

12. Ecological information

The surfactants are biodegradable acc. to the German regulations respectively the corresponding EC-regulations. The products does not cause any disruptions of sewage plants after neutralisation.
Contains no phosphates.

13. Disposal considerations

Advises : Dispose of in compliance with federal, state and local environmental regulations. Take liquid to a sewage plant after neutralisation.
EC disposal code no. : 07 06 01 aqueous washing liquids and mother liquors.
(The waste code are recommendations based on the schedule use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances.)

14. Transport information

Land transport (ADR/RID)

Class, packing group : 8, II (8, II, ADR)
UN no. : 1789
Hazard no. : 80
Technical name : 1789 HYDROCHLORIC ACID

Sea transport (IMDG/GGVSee)

Class : 8
Packing group : III
UN no. : 1789
EMS no. : 8-03 MFAG: 700
Technical name : UN 1789 HYDROCHLORIC ACID

Aircraft transport (ICAO/IATA)

Class : 8
Packing group : III
UN no. : 1789
Technical name : UN 1789 HYDROCHLORIC ACID

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15. Regulatory information

Data for labelling acc. GefStoffV/EC-regulations

Labelling : Xi (irritant)

R-phrases : 36/37/38 Irritating to eyes, respiratory system and skin

S-phrases : 1 / 2 Keep locked up and out of reach of children

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

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

Hazard symbols : St. Andrews cross

National regulations

Classification acc. to VbF

(German only)

Water hazard class

(German only)

:

: 1 (self-classification acc. to VwVwS)

i.e. slightly hazardous to water

16. Other information

R-phrases (see paragraph 2)

R 34 : Causes burns

R 37 : Irritating to respiratory system
