

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

***Trade name:** SIMULATED GASTRIC FLUID CONCENTRATE (without enzyme) -
DISSOLUTION MEDIA CONCENTRATE (Dilute to 6L)

***Article number:** DMC030-06

***Application of the substance / the preparation** Laboratory chemicals

***Company Identification:**

ProSense B.V.
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For emergencies in The Netherlands, call NVIC (24h):

+31 (0)30 2748888, only for the purpose of informing medical personnel in cases of accidental intoxications.

For emergencies outside The Netherlands:

Contact your local Poison Center.

2 Hazards identification

***Hazard description:** Not applicable.

***Information concerning to particular hazards to man and environment:**

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

***Classification system:**

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

***GHS label elements**



Danger

H314 - Causes severe skin burns and eye damage.

Safety data sheet available on request.

***Prevention:**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

***Response:**

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

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***Storage:**

P405 Store locked up.

***Disposal:**

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/information on ingredients

Chemical characterization**Description:** Mixture of substances listed below with nonhazardous additions.***Dangerous components:**

CAS: 7647-01-0 EINECS: 231-595-7	hydrogen chloride	 C,  Xi; R 34-37	2.5-10%
		Danger:  3.1.1/3;  3.2/1A	
		Warning:  2.5/C	

***Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First-aid measures

General information:** No special measures required.After inhalation:** Supply fresh air; consult doctor in case of complaints.***After skin contact:** Generally the product does not irritate the skin.***After eye contact:** Rinse opened eye for several minutes under running water.***After swallowing:** If symptoms persist consult doctor.

5 Fire-fighting measures

Suitable extinguishing agents:**CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.Protective equipment:** No special measures required.

6 Accidental release measures

Person-related safety precautions:** Not required.Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.***Measures for cleaning/collecting:**

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

***Additional information:** No dangerous substances are released.

7 Handling and storage

Handling:PPE to be worn. See section 8**Information for safe handling:** No special measures required.***Information about fire - and explosion protection:** No special measures required.***Storage:*****Requirements to be met by storerooms and receptacles:** No special requirements.***Information about storage in one common storage facility:** Not required.

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***Further information about storage conditions: None.**

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8 Exposure controls/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:**

7647-01-0 hydrogen chloride

OEL (Ireland)	Short-term value: 14 mg/m ³ , 10 ppm Long-term value: 7 mg/m ³ , 5 ppm IOELV
PEL (USA)	Short-term value: C 7 mg/m ³ , C 5 ppm
REL (USA)	Short-term value: C 7 mg/m ³ , C 5 ppm
TLV (USA)	Short-term value: C 2.98 mg/m ³ , C 2 ppm
IOELV (European Union)	Short-term value: 15 mg/m ³ , 10 ppm Long-term value: 8 mg/m ³ , 5 ppm

***Additional information: The lists valid during the making were used as basis.**

***Personal protective equipment:**

***General protective and hygienic measures:**

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

***Respiratory protection: Suitable respiratory protective device recommended.**

***Protection of hands:**

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

***Material of gloves**

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: Goggles recommended during refilling**

9 Physical and chemical properties

***General Information**

Form:	Liquid
Colour:	According to product specification
Odour:	Characteristic

***Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 85°C

***Flash point: Not applicable.**

***Self-igniting: Product is not selfigniting.**

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*Danger of explosion:	Product does not present an explosion hazard.
*Density at 20°C:	1.12038 g/cm ³
*Solubility/ miscibility with water:	Not miscible or difficult to mix.
*Solvent content:	
Organic solvents:	0.0 %

10 Stability and reactivity

- *Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- *Materials to be avoided:**
- *Dangerous reactions** No dangerous reactions known.
- *Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- *Acute toxicity:**
- *Primary irritant effect:**
- *on the skin:** No irritant effect.
- *on the eye:** No irritating effect.
- *Sensitization:** No sensitizing effects known.
- *Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information

- *Additional ecological information:**
- *General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- *Product:**
- *Recommendation** Smaller quantities can be disposed of with household waste.
- *Uncleaned packaging:**
- *Recommendation:** Disposal must be made according to official regulations.

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14 Transport information

*Land transport ADR/RID (cross-border)



*ADR/RID class: 8 Corrosive substances.
*Danger code (Kemler): 80
*UN-Number: 1789
*Packaging group: III
*Hazard label: 8
*Description of goods: 1789 HYDROCHLORIC ACID, mixture
*Tunnel restriction code E

*Maritime transport IMDG:



*IMDG Class: 8
*UN Number: 1789
*Label: 8
*Packaging group: III
*EMS Number: F-A,S-B
*Marine pollutant: No
*Segregation groups: Acids
*Proper shipping name: HYDROCHLORIC ACID, mixture

*Air transport ICAO-TI and IATA-DGR:



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

*UN "Model Regulation": UN1789, HYDROCHLORIC ACID, mixture, 8, III

15 Regulatory information

*Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

*Special labelling of certain preparations:

Safety data sheet available for professional user on request.

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***National regulations:**

***Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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.

***Department issuing MSDS:** Health and Safety

***Contact:** info@dissolutionaccessories.com

***Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals