

**1. Presentation of substance or mixed and the company**

- 1.1 Description of the product:** **HydroSta**
- 1.2 Preparat's related identified uses:** Acid cleaner for rust removing
- 1.3 Information of the supplier of safety data sheet**

**Producer informations / Lieferanten** Logic Chemie  
 Kastanjelaan 157 A  
 NL- 4621 HL Bergen op Zoom  
 Telefon 00 31 - 626354489  
 Internet [www.logicchemie.nl](http://www.logicchemie.nl)

**Informations of the emergency:** Counseling center for poisoning and embryonic,  
 Telephone 0031626354489

**2. Potential Dangers**

- 2.1 Classification of the preparat** **In accordance with (EG) Nr. 1272/2008 (GHS) Regulation**

Inflammable liquid and vapor.  
 Risk category 2; H225

- 2.2 Label items**



**Signal word**

**Danger**

**Danger Explanations:**

H290 It may abrade the metals.  
 H314 It causes severe skin irritation and eye damage.

**Safety**

P260 Do not breathe aerosols.  
 P280 Use the protective Gloves / Protective Clothing / Eye Protection / Face Protection.

**3. Information on the composition / contents**

- 3.1 Material** The product is classified as a mixture.  
 Chemical clasification The aqueous solution of the acids, cleaning and surfactants.  
 (Preperat)

**3.2 Mixture / danger compositions**

EG-No.	Material Name	Danger	Clasification	Clasification
CAS number:			67/548/EWG	1272/2008
7664-38-2	Phosphoric acid	20%		

Refer to 16. Section for text of R- H- and EUH- sentences.

**4. Firs aid precautions**

- 4.1 Description of the required first aid**
- Sudden measures:** Remove wet clothes and shoes.
- After the eye contact:** Wash with plenty of water.
- After the dermal contact:** Wash with water. Consult a doctor in case of irritation
- If it swallowed:** Shake your mouth and drink plenty of water. Consult the doctor immediately.

**5. Firefighting measures**

- 5.1 Extinguishing vehicle**  
 Suitable extinguishing substance: Alcohol-resistant foam, water spray, powder or carbon dioxide (CO2) fire extinguisher  
 Inappropriate extinguishing substance: High pressure water jet
- 5.2 Dangers Special Dangers from the substance or mixture**  
 Acidic liquid, if necessary neutralize the waste water.
- 5.3 Precautions for firefighters**  
 5.3 Advice for firemen on major accidents - independent respiratory equipment should be worn

**6. ACTIONS TO BE TAKEN FOR accidents:**

- 6.1 Personal precautions Avoid contact with eyes and skin. Do not inhale vapors / aerosols in case of emergencies.**  
**Remove unnecessary people from the area Use protective equipment.**

**Personal protective equipment:** Personal protective equipment should be adapted to the situation  
 - Wear barricaded glasses

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**6.2 Environmental measures:** Do not discharge into the sewer or waterways.**7. Transport And Storage****7.1 Measures**  
Chemical handling regulations must be adhered to.  
- Avoid contact with skin and eyes. Keep container tightly closed.  
**Storage class:** 8 Corrosive substances**8. Personal protective equipment:****8.1 Protective equipment** Protective gloves, better full face protection, protective gloves and respirator with dust filter. Wear protective clothing.  
**8.2 Other protective measures** By choosing personal protective equipment resulting from workplace and transfer.  
Protection of hands: Gloves made of nitrile and viton.  
Protective gloves made of nitrile or Viton as Camatril velor 730 Exposure>480 minutes**9. Basic physical and chemical properties****9.1 Basic physical and chemical properties***Physical situation/Form* liquid  
*Color* colorless, clear  
*Smell* Odorless**9.2 Basic information on safety**

<i>Melting temperature</i>	<0	°C	
<i>Boiling point - range (1013 hPa)</i>	100	°C	DIN 51 751
<i>Density (20 ° C)</i>	1,05	g/ml	
<i>Vapor pressure (20 ° C)</i>	-	hPa	DIN 51 754
<i>Viscosity</i>	ca. 1	mPas	DIN 51 562
<i>Solubility in water:</i>	miscible	g/l	
<i>Flaming point:</i>	incombustible	°C	
<i>Combustion</i>	incombustible	°C	DIN 51 794

**9.3 Relevant features of substance groups**

Explosive substances-mixtures	The product is not explosive.
Inflammable gases	The product is liquid
Inflammable aerosols	n. a.
Inflammable liquids	The product is not inflammable
Self-reactive substances and mixtures	It is not self-reactive
Pyrophoric liquids	It is not pyrophoric
Self-heating substances / mixtures	Self-heating
substances / mixtures in contact with heated,	
In contact with inflammable gases, inflammable gases are emitted	
Oxidising properties - is not oxidising	
Organik peroksit - this product does not contain organic peroxides..	

Organic peroxide It may abrade the metals

**9.4 Other Informations for safety**

Explosion limits:	none
Conductivity	It is insulated as electrically.

**10. Stability and reactivity****10.1 Reactivity** It is stable under recommended storage conditions.  
**10.2 Chemical Stability:** Stable under normal conditions.  
**10.3 Possibility of dangerous reactions** It abrades the metals  
**10.4 Situations to be avoided:** Contact with Metals  
**10.5 Incompatible materials** Metal  
**10.6 Dangerous decomposition products:** The product does not decompose at ambient temperatures**11. Information on toxicology****11.1 Acute toxicity:**  
**After eye contact:** Excessive corrosive  
**After dermal contact:** Excessive corrosive  
**In case of breathed:** -

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**If it swallowed:** LD50: > 100 mg/kg (Ratte) (OECD 423)**11.2 Chronic toxicity:****After dermal contact:** After washing with soap and water, apply cream.**In case of breathed:** none**If it swallowed:** Shake your mouth and drink plenty of water. Consult a doctor immediately.**12. Ecological information****12.1 Toxicity****Acute toxicity:***Water danger class*WGK 1(self-equalization): slightly water-miscible To groundwater,  
Water and drainage  
Wash with limestone granules before sending to the waste water treatment plant.**12.2 Continuity and Biological decomposition**

Hydrolysis: none

Photolysis: Because of hydrolysis, transformation does not occur.

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Air oxidation: -

Biodegradability: BSB20, 20 °C Th OD

**12.3 Conclusion of PBT and vPvB evaluation**

Not applicable

**12.4 Other environmental impacts**

There is no any informations

**13. Dispose****Waste treatment methods**It is forbidden to be disposed of together with household waste.  
Dispose of it only in accordance with official legislation (eg paint cans).  
Disposal according to EC Directives 75/442 / EEC and 91/689 / EEC on waste –rat-  
Dispose of waste according to waste and dangerous waste instructions of the EC  
directives 75/422 / EEC and 91/689 / ECC in latest versions.**The product dipose /  
packaging***Waste key (EWC)*

06 00 00 Wastes from inorganic chemical processes.

*Package*

Empty containers completely and dispose of with household waste.

**14. Shipment Information****14.1 Land transport ADR / RID / GGVSE***Class* 8 (C9) Korozif maddeler*Kemler-no:* 80*UN-Nr.* 1760*Packing group* III*label* 8**14.2 Sea-going transport IMDG-Code / GGVSee**

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**14.3 Air transport ICAO-IATA / DGR**

Dangerous

**15. CONDITIONS****15.1 Safety, health and environment related substance or mixture specific legislations****Nationality regulations:**

Threat class for water (WGK): WGK 1(Self-assessment): Slightly dangerous for water

EINECS: All contents are listed.  
Registered substance (ELINCS).

TSCA: All contents are listed or exempt.

AICS: All contents are listed .

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IECSC: All contents are listed or exempt.

KECL: All contents are listed .

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PICCS: All contents are listed .  
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DSL: All contents are listed or exempt.  
ENCS/ISHL: All contents are listed .  
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**16. Other Informations:**

**16.1 16.1 The classification of the mixtures used has been applied in accordance with the Regulation (EC),**

**Nr. 1207/2008 (CLP)**

**16.2 Full text of R and H and EUH parlanes.**

**(Number and text)**

H290	It may abrade the metals.
H314	It causes severe skin irritation and severe eye damage.
Expressions	22 Harmful: may cause lung damage if swallowed.
	34 It causes chemical burns
	45 Get medical attention immediately in case of accident or if you feel unwell. Go to the doctor and take this form.

**16.3 Other notes**

The informations in this SDS is based on our current knowledge. It is equivalent to our knowledge and experience. - It is only regarding to the product. If these informations are changed for any reason, it is subject to change without informing.

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It does not carry any warranty means in respect of integrity or accuracy of it.

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