

# Safety data sheet

According to CE Regulations 1907/2006 (Reach)  
Modified with (UE) Regulations n.453 / 2010 and  
CPL Regulations 1272/08



**Product:** HYD 604  
**Date of revision:** 20/07/2015 **Revision :** 6.0  
**Date of creation:** 10/11/1994  
**Date of printing:** 18.05.2017

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## Information sheet

### SECTION 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name HYD 604

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Description/use Water chemical treatment

#### 1.3. Details of the supplier of the safety data sheet

Name Hydro Italia S.r.l.  
Full address Via Torricelli, 79 Z.I. Fossatone  
District and country 40059 Medicina (BO)  
ITALIA  
Tel. + 39 051 856263  
Fax + 39 051 856282

e-mail address of the person in charge,  
person responsible for the Safety Data Sheet direzione@hydroitalia.com (Lorenzo Amadori)

Product distribution by: Hydro Italia S.r.l.

#### 1.4. Emergency telephone number

For urgent inquiries refer to  
Phone numbers of main Italian Poison Control Centres (active 24/24 hours)  
Milan Poison Control Centre 02 66101029 (CAV Ospedale Niguarda Ca` Granda - Milano)  
Pavia Poison Control Centre 0382 24444 (CAV IRCCS Fondazione Maugeri - Pavia)  
Bergamo Poison Control Centre 800 883300 (CAV Ospedali Riuniti - Bergamo)  
Firenze Poison Control Centre 055 7947819 (CAV Ospedale Careggi - Firenze)  
Roma Poison Control Center 06 3054343 (CAV Policlinico Gemelli - Roma)  
Roma Poison Control Centre 06 49978000 (CAV Policlinico Umberto I - Roma)  
Tel +39 348 3300148 (Technical support - Monday to Friday: 8.30-12.30; 14.00-18.00)

### SECTION 2. Hazard identification.

#### 2.1. Classification of the substance or mixture.

The product is not classified as hazardous according to dispositions of EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

Classification and indications of dangers:--

#### 2.2. Labelling.

Hazard pictograms: --  
Warnings: --  
Hazard: --  
Safety advice: --

#### 2.3. Other hazards.

According to available data, the product does not contain PBT or vPvB in percentage higher than 0.1%

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## SECTION 3. Composition/information on ingredients.

### 3.1. Substances.

Non relevant information.

### 3.2. Mixtures.

The product does not contain substances classified as hazardous to health or the environment according to Regulation (EU) 1272/2008 (CLP) (and subsequent amendments) in such quantities as to require the declaration.

## SECTION 4. First aid measures.

### 4.1. Description of first aid measures.

Not specifically necessary. It is recommended in all cases respect of the rules of good industrial hygiene.

Inhalation: Move the person away from the contaminated zone to fresh air. In case of ailments see a doctor.

Skin contact: Immediately remove contaminated clothing. Wash the skin immediately with plenty of soap and water. Do not use solvents or thinners. If necessary see a doctor.

Eye contact: Rinse immediately with plenty of clean and fresh water for at least 10 minutes, keeping eyelids open. If necessary see a doctor.

Ingestion: Rinse abundantly the mouth with water. If the person is conscious, give plenty of water or milk. Never give anything by mouth to an unconscious person. In case of ailments, see a doctor.

### 4.2. Most important symptoms and effects, both acute and delayed.

No episodes of damage to health ascribable to the product

### 4.3. Indication of any immediate medical attention and special treatment needed

Information not available.

## SECTION 5. Firefighting measures

### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING MEDIA

The extinction equipment should be of the conventional kind: carbon dioxide, foam, powder and nebulised water

EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS

None in particular

### 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

The fire hazard is low. Exposure to combustion of the product may cause formation of dangerous products. Therefore the inhalation of combustion products may be a hazard to health.

### 5.3. Advice for people in charge of firefighting.

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose contaminated water used for extinction and the remains of the fire according to applicable regulations.

EQUIPMENT normal clothing to fight the fire, like an open circuit compressed air breathing apparatus (EN 137), complete with flame retardant (EN469), flame-resistant gloves (EN 659) and boots for Firefighters (HO A29 or A30).

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## SECTION 6. Accidental release measures.

### 6.1. Personal precautions, protective equipment and emergency procedures.

If vapours are released into air, use respiratory protection. These guidelines are applied to both people in charge of production and for the emergency interventions.

### 6.2. Environmental precautions.

The product must not penetrate the sewer system, surface water, water tables.

### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and remove the rest using jets of water. The disposal of contaminated material must be carried out in compliance with the provisions of section 13.

### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage.

### 7.1. Precautions for safe handling.

Handle the product after consulting all other sections of this sheet. Avoid dispersal of the product in the environment. Do not eat, drink or smoke while handling it.

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep containers tightly closed in a cool, well-ventilated place. Avoid direct exposure to sunlight and protect from frost. Repair from any ignition source, from oxidizing agents, from strongly acidic or alkaline products.

Storage class VCI: 12

Material for storage. Suitable materials: stainless steel, plastics (PP, PE, PVC).

Storage stability. Storage temperature: 5-35 ° C.

### 7.3. Specific end use(s).

No other use than indicated in section 1.2 of this material safety data sheet

## SECTION 8. Exposure/personal protection controls.

### 8.1. Control parameters.

Information not available.

### 8.2. Exposure controls.



Observe the safety measures used in handling chemical substances.

#### HAND PROTECTION.

Handle in accordance with good practice of industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. The selected protective gloves must be made of neoprene or PVA.

#### EYES PROTECTION.

Tightly fitting safety goggles or face shield.

#### SKIN AND BODY PROTECTION

All exposed parts must be washed after contact.

#### RESPIRATORY PROTECTION.

Keep room well ventilated. In case of insufficient ventilation or strong mists or vapours use certified respirators. Mask filter: P2, white.

#### ENVIRONMENTAL EXPOSURE CONTROLS.

Emissions from production processes, including those from ventilation should be checked for compliance with the regulations of environmental protection.

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## SECTION 9. Physical and chemical properties.

### 9.1. Information on basic physical and chemical properties.

Appearance	milky/viscous liquid
Colour	beige
Odour	light
Odour threshold.	Not available.
pH.	7,0÷8
Melting or freezing point.	Not available.
Initial boiling point.	about 100 °C.
Boiling range.	Not available.
Flash point.	> 60 °C.
Evaporation rate	Not available.
Flammability of solids and gases	Not available.
Lower limit of flammability.	Not available.
Upper limit of flammability.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Relative density.	1,1 g/cm <sup>3</sup> (20 °C)
Solubility	completely miscible in water
Solubility/Miscibility in organic solvents	Insoluble or partially soluble
Partition coefficient: n-octanol/water:	Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	2200 mPa.s
Explosive properties	Not available.
Oxidizing properties	Not available.

### 9.2. Other information.

Information not available.

## SECTION 10. Stability and reactivity.

### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability.

The chemical is stable under normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions.

In normal conditions of use and storage no dangerous reactions are predictable

### 10.4. Conditions to avoid.

Avoid storage at high temperatures

### 10.5. Incompatible materials.

Avoid contact with oxidizing agents, strongly alkaline or acid materials

### 10.6. Hazardous decomposition products.

Information not available.

## SECTION 11. Toxicological information.

No episodes of damage to health due to exposure to the product are known. In any case it must be handled in accordance with the rules of good industrial hygiene.

### 11.1. I Information on toxicological effects.

Information not available.

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## SECTION 12. Ecological information.

Use according to good working practice, avoiding the dispersion of the chemical in the environment. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

### 12.1. Toxicity.

Information not available.

### 12.2. Persistence and degradability.

Information not available.

### 12.3. Bioaccumulative potential.

Information not available.

### 12.4. Mobility in soil.

Information not available.

### 12.5. Results of PBT and vPvB assessment.

According to the available data, the product does not contain PBT or vPvB percentage higher than 0.1%

### 12.6. Other adverse effects.

Information not available.

## SECTION 13. Disposal considerations.

### 13.1. Waste treatment methods.

Reuse, when possible. Product residues as such are to be considered non-hazardous waste.  
Disposal must be performed through an authorized waste management, in compliance with national and local regulations.  
CONTAMINATED PACKAGING  
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## SECTION 14. Transport information.

### 14.1. ONU Number.

Not applicable.

### 14.2. Proper shipping name.

Not applicable.

### 14.3. Shipping hazard classes.

Not applicable.

### 14.4. Packaging group.

Not applicable.

### 14.5. Dangers for environment.

Not applicable.

### 14.6. Special precautions for users.

Not applicable.

### 14.7. Transport in bulk according to attachment II of MARPOL 73/78 and IBC code.

Non relevant information.

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## SECTION 15. Regulatory information.

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category. None.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

None.

Substances in Candidate List t (Art. 59 REACH).

None.

Substances subject to authorisation (Attachment XIV REACH).

None.

Substances subject to export notification Reg. (EC) 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.

Information not available.

### 15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

## SECTION 16. Other information.

### LEGEND:

- ADR: European Agreement concerning the transport of dangerous goods by road
- CAS NUMBER: Number of Chemical Abstract Service
- CE50: Concentration that gives effect to 50% of the population subject to testing
- CE NUMBER: ID number in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: No effect derived level
- EmS: Emergency Schedule
- GHS: Globally Harmonised System for classification and labelling of chemicals
- IATA DGR: Regulation for the transport of dangerous goods by the International Air Transport Association
- IC50: Concentration of immobilization of 50% of the population subject to testing
- IMDG: International Maritime Code concerning the transport of Dangerous Goods by sea
- IMO: International Maritime Organization
- INDEX NUMBER: ID number in attachment VI of CLP
- LC50: 50% lethal concentration
- LD50: 50% lethal dose
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic according to REACH
- PEC: Predictable Environmental Concentration

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- PEL: exposure predictable level
- PNEC: no effect predictable concentration
- REACH: EC Regulation 1907/2006
- RID: Regulations concerning the international carriage of dangerous goods by rail
- TLV: Threshold Limit Value
- TLV CEILING: Concentration which should not be exceeded during any working exposure time.
- TWA STEL: Short Term Exposure Limit
- TWA: Weighted average exposure Limit
- VOC: Volatile Organic Compound
- vPvB: Very persistent and very bioaccumulative according to REACH
- WGK: Water hazard class (Germany).

#### GENERAL BIBLIOGRAPHY:

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
  2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
  3. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
  4. Regulation (EC) 2015/830 of the European Parliament
  5. Regulation (EC) 286/2011 of the European Parliament (II Atp. CLP)
  6. Regulation (EC) 618/2012 of the European Parliament (III Atp. CLP)
  7. Regulation (EC) 487/2013 of the European Parliament (IV Atp. CLP)
  8. Regulation (EC) 944/2013 of the European Parliament (V Atp. CLP)
  9. Regulation (EC) 605/2014 of the European Parliament (VI Atp. CLP)
- The Merck Index. - 10th Edition
  - Handling Chemical Safety
  - INRS - Fiche Toxicologique (toxicological sheet)
  - Patty - Industrial Hygiene and Toxicology
  - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
  - ECHA agency web site

#### Note for users:

The information contained in the present sheet is based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide adequate training to staff involved in the use of chemicals.

#### Changes to previous review.

Changes were made to the following sections:

01 / 02 / 03 / 04 / 05 / 06 / 07 / 08 / 10 / 11 / 12 / 13 / 15 / 16