6237 **Histofix ® decalcifier 3**

1. Identification of the substance/preparation and of the company or firm

1.1 Identification of the substance or preparation

Name:
Histofix ® decalcifier 3

Synonym:

REACH Registration Number: A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) Nº 1907/2006, the annual tonnage does not requiere a registration, the registration is envisaged for a later registration deadline or it is a mixture.

1.2 Use of the substance/preparation:

For laboratory utilisation, analysis, research and fine chemistry.

1.3 Identification of the company or firm:

PANREAC QUIMICA S.L.U.
C/Garraf 2
Polígono Pla de la Bruguera
E-08211 Castellar del Vallès
(Barcelona) Spain
Tel. (+34) 937 489 400
e-mail: product.safety@panreac.com

1.4 Emergency telephone:

Single telephone number for emergency calls: 112 (EU)
Tel.: (+34) 937 489 499

2. Identification of dangers

Classification of the substance or the mixture.

Classification Regulation (CE) nº 1272/2008.

Eye Irrit. 2
STOT SE 3
Skin Irrit. 2

Hazard Pictograms

Signal word
Warning

Hazard statements
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H315 Causes skin irritation.

Precautionary statements
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash...thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

Classification (67/548/CEE or 1999/45/CE).

Xi Irritant R36/37/38

For the full text of the R-phrases mentioned in this section, see section 16.

3. Component Composition/Information

Hydrochloric solution

Name: Histofix ® decalcifier 3

Composition:

0001: Hydrochloric Acid

M.= 36,46 CAS [7647-01-0]
EC number (EINECS): 231-595-7
Content: <= 10 %

No hazardous substance as specified in Regulation (CE) 1272/2008.
No hazardous substance as specified in Classification (67/548/CEE or 1999/45/CE).

4. First aid

4.1 General indications:
Never provide drink or induce vomiting in the event of loss of consciousness.

4.2 Inhaling:
Take the person out into the fresh air. In the event sickness persists, seek medical assistance.

4.3 Contact with the skin:
Wash with plenty of water. Remove contaminated clothing.

4.4 Eyes:
Wash with plenty of water, keeping eyelids open. In the event of irritation, seek medical assistance.

4.5 Swallowing:
Drink large amounts of water. Induce vomiting. Seek medical assistance.

5. Fire-fighting means

5.1 Suitable fire-extinguishing means:
Water.

5.2 Fire-fighting means which must NOT be used:
No specific data.

5.3 Special risks:
Incombustible. Upon contact with metals, hydrogen gas may form (there is a risk of explosion). Precipitate fumes formed with water.

5.4 Protective equipment:
Suitable clothing and footwear. Self-contained breathing equipment.

6. Measures to be taken in the event of accidental spillage

6.1 Individual precautions:
Do not inhale the fumes. Avoid contact with the skin, eyes or clothing.

6.2 Precautions for care of the environment:
Avoid pollution of the soil, water supplies and drains.

6.3 Methods for collection/cleaning:
Collect up with absorbent materials (Panreac General Absorbent, Kieselguhr, etc.) or, if none available, dry sand or earth, and deposit in waste containers for subsequent elimination in accordance with current legislation. Neutralize with diluted sodium hydroxide.

7. Handling and storage

7.1 Handling:
No special indications.

7.2 Storage:
Well sealed containers.In well ventilated premises.Room temperature.Do not store in metal containers.

8. Staff exposure/protection controls

8.1 Technical protective measures:
No special indications.

8.2 Exposure limit control:
VLA-EC(HCl): 10 ppm - 15 mg/m3
VLA-ED(HCl): 7,6 mg/m3
VLA-ED(HCl): 5 ppm

8.3 Respiratory protection:
In the event of fumes forming/aerosols, use suitable respiratory protection. Filter E (HCl). Filter P (HCl).

8.4 Hand protection:
Use suitable gloves neopren nitrile latex

8.5 Eye protection:
Use suitable goggles.

8.6 Individual hygiene measures:
Remove contaminated clothing. Use suitable work clothing. Wash hands and face before breaks and when the job is done.

8.7 Environmental exposure controls:
Fulfill the commitments under local environmental protection legislation.

9. Physical and chemical properties

Appearance: liquid
Colour: Colourless
Granulometry: N/A
Odour: Piquant.
pH:
N/A
Melting point/freezing point: N/A
Initial boiling point and boiling range:
N/A
Flash point:
N/A
Flammability (solid, gas):
N/A
Upper/lower flammability or explosive limits:
N/A
Vapour pressure: N/A
Vapour density: N/A
Relative density: (20/4) 1,046
Solubility: Miscible with water
Partition coefficient: n-octanol/water:
N/A
Auto-ignition temperature:
N/A
Decomposition temperature: N/A
Viscosity: N/A

10. Stability and reactivity

10.1 Conditions which should be avoided:
The product is chemically stable under standar ambient conditions (room temperature).

10.2 Matter which should be avoided:
Concentrated sulfuric acid. Aldehydes. Aluminium. Amines. Strong bases. Carbides. Fluorine. Hydrides. Metals. Alkaline metals. $KMnO_4$. Salts of oxyhalogenic acids. Semimetallic hydrogen compounds. Semimetallic oxides. Sulphides. Lithium silicide. Vinyl methyl ether.

10.3 Hazardous decomposition products:
Hydrogen chloride. Chlorine.

10.4 Complementary information:
No specific data.

11. Toxicological information

11.1 Acute toxicity:
LC50 inh rat : 3124 ppm (V) 1h

11.2 Dangerous effects for health:
If fumes inhaled: Irritations to the respiratory tracts. Upon contact with the skin: irritations Through contact with the eyes: irritations

12. Environmental information

12.1 Toxicity:
12.1.1 - EC50 test (mg/l):
Fish test 25 mg/l
Classification:
Toxic
Leuciscus idus (48h)(1N) 862 mg/l
Classification:
Very toxic
12.1.2. - Receptor medium:
Risk for the water environment
Medium
Risk for the land environment
Medium
12.1.3. - Observations:
Has a major acute effect on the water and land environment depending on pH.

12.2 Persistence and Degradability :
12.2.1 - Test:
12.2.2. - Biotic degradation classification:
BOD5/COD Biodegradability = -----
12.2.3. - Abiotic degradation depending on pH:
12.2.4. - Observations:
Does not consume oxygen biologically.

12.3 Bioaccumulative potential:
12.3.1. - Test:
12.3.2. - Bioaccumulation:
Risk = ----
12.3.3. - Observations:
It is not bio-accumulable, although it is accumulable in water courses and soils in saline form (Cl-).

12.4 Mobility in soil :
Data not available.

12.5 Assessment PBT and MPMB :
Data not available.

12.6 Other possible effects on the environment:

Generally, its effect is acutely considerable in the dumping area. Its long-term effect is not so considerable if the dumping is not frequent.
The treatment is neutralization.

13. Considerations regarding elimination

13.1 Substance or preparation:

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country.
In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.
2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes.Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.
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13.2 Contaminated containers:

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.
European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.
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14. Information concerning transport

Overland (ADR):
Technical name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
UN 3264 Class: 8 Packaging group: III (E)
By sea (IMDG):
Technical name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
UN 3264 Class: 8 Packaging group: III
By air (ICAI-IATA):
Technical name: Corrosive liquid, acidic, inorganic, n.o.s.
UN 3264 Class: 8 Packaging group: III
Packaging instructions: CAO 856 PAX 852

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

16. Other information

Other precautionary statements

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P321 Specific treatment (see on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Labelling (65/548/CEE or 1999/45/CE)

R-phrase(s):	**R36/37/38** Irritating to eyes, respiratory system and skin.
S-phrase(s):	**S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Review number and date: 3 3.11.10
Date published: 3.11.10
In respect of the previous review, changes have been made to the following sections: 2, 3, 15
The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.