PanReac AppliChem ITW Reagents

Safety Data Sheet
According to Regulation (EU) 830/2015

1040 Nitric Acid 0,1 mol/l (0,1N)

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

1.1 Product identifier
Name:
Nitric Acid 0,1 mol/l (0,1N)

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 Relevant identified uses of the substance or mixture:

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)

2. Identification of dangers

2.1 Classification of the substance or the mixture.

2.3 Other hazards:

No further relevant information available.

3. Composition/information on ingredients

3.1 Substances
Aqueous solution

Name: Nitric Acid 0,1 mol/l (0,1N)
Formula: HNO3 M.= 63,01 CAS [7697-37-2]
EC number (EINECS): 231-714-2

3.2 Mixtures

0001: Nitric Acid fuming

Formula: HNO3 M.= 63,01 CAS [7697-37-2]
EC number (EINECS): 231-714-2
EC index number: 007-004-00-1
REACH Registration Number: 01-2119487297-23-XXXX

Content: >= 0,5 % <= 1 %

Ox. Liq. 2
Skin Corr. 1A

Hazard Pictograms

Signal word
Danger

Hazard statements
H272 May intensify fire; oxidiser.
H314 Causes severe skin burns and eye damage.

4. First aid measures

4.1 Description of first aid measures
Never provide drink or induce vomiting in the event of loss of consciousness.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed
Swallowing:
Drink large amounts of water. Induce vomiting. Call for medical help. Do not neutralize.

Inhaling:
Take the person out into the fresh air.

Contact with the skin:
Wash with plenty of water. Remove contaminated clothing. Take the product out with cotton wool soaked in polyethylene-glycol 400.

Eyes:
Wash with plenty of water (for at least 15 minutes), keeping eyelids open. Seek medical assistance.

5. Firefighting measures

5.1 Extinguishing media:
As appropriate to the environment.

5.2 Special hazards arising from the substance or mixture:
Incombustible.

5.3 Advice for firefighters:
Suitable clothing and footwear.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:
No special indications.

6.2 Environmental precautions:
Avoid pollution of the soil, water supplies and drains.

6.3 Methods and material for containment and cleaning up:
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. Clean any remains with plenty of water. Neutralize with diluted sodium hydroxide.

6.4 Reference to other sections
Not applicable

7. Handling and storage

7.1 Precautions for safe handling:
Limited shelf-life.

7.2 Conditions for safe storage, including any incompatibilities:
Well sealed containers. In well ventilated premises. Away from light.
Recommended storage temperature: Room temperature. Do not store in metal containers. Do not store in plastic containers.

7.3 Specific end use(s)
No more relevant data available

8. Exposure controls/personal protection

8.1 Control parameters:
VLA-EC(HNO3): 4 ppm = 10 mg/m3 VLA-ED(HNO3): 2 ppm = 5,2 mg/m3

8.2 Exposure controls

No special indications.

Respiratory protection:
In the event of fumes forming/aerosols, use suitable respiratory protection. Filter B. Filter P. Filter NOX.

Hand protection:
Use suitable gloves neopren latex

Eye/face protection:
Use safety glasses.

Individual hygiene measures:
Use complete protective equipment. Remove contaminated clothing. Wash hands and face before breaks and when the job is done.

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

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: liquid
Colour: Colourless
Granulometry: N/A
Odour: Odourless.
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) 1,002 g/ml
Solubility: Miscible with water
Partition coefficient: n-octanol/water:
N/A
Auto-ignition temperature:
N/A
Decomposition temperature: N/A
Kinematic viscosity: N/A
Dynamic viscosity:
N/A

9.2 Other information

No more relevant data available

10. Stability and reactivity

10.1 Reactivity

No specific data.

10.2 Chemical stability:

No specific data.

10.3 Possibility of hazardous reactions
No specific data.

10.4 Conditions to avoid:
High temperatures.

10.5 Incompatible materials:
Acids. Ammonia. Alkaline solutions. Oxidizable compounds. Organic solvents. Metals and metal alloys. Alkaline metals. Alkali-earth metals.

10.6 Hazardous decomposition products:
No specific data.

11. Toxicological information

11.1 Information on toxicological effects
Acute toxicity:
: Data not available.

Dangerous effects for health:
If fumes inhaled: May cause: coughing breathing difficulties May cause: oedemas in the respiratory tract Upon contact with the skin: irritations May cause: burns Through contact with the eyes: irritations May cause: burns If swallowed: irritations May cause: burns Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

12. Environmental information

12.1 Toxicity:
- EC50 test (mg/l):
Fish
(For sodium nitrate) 13000 mg/l
Classification:
Toxic
Bacteria
(For sodium nitrate) 2500 mg/l
Classification:
Very toxic
- Receptor medium:
Risk for the water environment
Medium
Risk for the land environment
Low
- Observations:
In the event of infiltration into underground water supplies, these may not be used for drinking water due to the high nitrate content. The ecotoxicity is due to the pH deviation and to the nitrates fI
Acute ecotoxicity in the dumping area.

12.2 Persistence and Degradability :
- Test:
- Biotic degradation classification:
BOD5/COD
Biodegradability
- Abiotic degradation depending on pH:
- Observations:
Does not consume oxygene.
Non-biodegradable product.

12.3 Bioaccumulative potential:
- **Test:**
- Bioaccumulation:
Risk
- Observations:
12.4 Mobility in soil :
Data not available.

12.5 Assessment PBT and MPMB :
Data not available.

12.6 Other adverse effects:
If suitable handling conditions are maintained, no ecological problems are to be anticipated.
Neutralize with NaOH at pH 7.
Encourages eotrophy in rivers and water channels.

13. Disposal considerations

13.1 Waste treatment methods:
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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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. Transport information

14.1 UN number
UN2031

14.2 UN proper shipping name
NITRIC ACID, other than red fuming, with not more than 65% nitric acid

14.3 Transport hazard class(es)

8

14.4 Packing group
ADR/IMDG: II
IATA: II

14.5 Environmental hazards

14.6 Special precautions for user
Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical safety assessment
Not applicable

16. Other information

Other precautionary statements

Version and revision date : 5 07.10.2017
Date published: 07.10.2017
In respect of the previous review, changes have been made to the following sections: 1,2,4,5,6,7,8,9,10,11,13,14,15
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.