

PEB217 – Nitric Acid Solution – SAFETY DATA SHEET

Product Nitric Acid 1M Solutions
Version GHS Version 3
Date 19-07-17
Sheet No. N482
Supersedes GHS V3 dated 12-05-15

Section 1.0: Identification of the substance/ preparation and of the Company/ undertaking

Product Identifier: Nitric Acid 1M Solution
Other means of Identification: PEB217-10, N4822

Uses: For laboratory use, analysis, research and fine chemistry.

Details of the supplier of the Safety Data Sheet

Company Name: Klipspringer Ltd
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Section 2.0: Ingredients

GHS Label Elements



H314: Causes Severe Skin Burns and eye damage
P260: Do not breathe dust / fume / gas / mist/ vapour/ spray
P280: Wear protective gloves / protective clothing / eye protection / face protection
P301 + P330 + P331: If swallowed, rinse mouth. Do not induce vomiting.

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

Section 3.0: Composition / information on ingredients

Nitric acid	CAS No. 7697-37-2	MF: NO	REACH 01-2119487297-23- XXXX	63G/L
Water	CAS No. 7732-18-5	MF: H ² O	REACH EXEMPT	BALANCE

Section 4.0 First-aid Measures

- 4.1 General indications
Never provide drink or induce vomiting in the event of loss of consciousness.
Remove contaminated clothing
- 4.2 Inhalation
If inhaled, remove to fresh air, if not breathing give artificial respiration. If breathing is difficult find oxygen.
- 4.3 Contact with skin
In case of contact, immediately wash skin with soap and copious amounts of water.
Remove and wash contaminated clothing promptly
- 4.4 Eyes
In case of contact, immediately flush eyes with copious amounts of water for a least 15 minutes.
Assure adequate flushing of the eyes by separating the eyelids with fingers. Seek medical advice
- 4.5 Swallowing
If swallowed, wash out mouth with water provided person is conscious. Avoid vomiting. Call a physician.
- Discard contaminated clothing and shoes

Section 5.0: Fire Fighting Measures

- 5.1 Extinguishing media
As appropriate to the environment
- 5.2 Fire-fighting means which must not be used.
No specific data
- 5.3 Special risks
Emits toxic fumes under fire conditions
Strong odorizer
Contact with other material may cause fire
- 5.4 Protective Equipment
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6.0: Accidental Release Measures

- 6.1 Personal precautions, protective equipment and emergency procedures
Do not inhale the fumes, ensure adequate ventilation. Avoid sources of ignition. Do not smoke.

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- 6.2 Environment precautions
Do not allow it to enter the drainage system. Avoid pollution of the soil, water supplies and drains.
- 6.3 Methods and materials for containment and clearing up
Absorb on sand or vermiculite and placed in closed containers for disposal.
Ventilate area and wash spill site after materials pickup is complete.

Section 7.0: Handling and Storage

- 7.1 Precautions for safe handling
Ensure good ventilation and renewal of the air in the premises.
Avoid the formation of electrostatic charges
- 7.2 Conditions for sale storage, including any incompatibilities
Well sealed containers. In a cool dry place and well ventilated.

Section 8.0: Exposure control/ Personal protection

- 8.1 Exposure Controls
Ensure good ventilation and renewal of air in the premises. Do not breathe vapour
- 8.2 Exposure limit control
5ppm (5Mg/M³)
- 8.3 Respiratory protection
In the event of fumes forming / aerosols, use suitable respiratory protection
- 8.4 Hand protection
Heavy rubber gloves
- 8.5 Eye / Face Protection
Chemical safety 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 Environment exposure controls
Avoid pollution of the soil, water supplies and drains. Rubber gloves
Safety shower and eye bath

Section 9.0: Physical and Chemical Properties

Appearance and odour

Clear colourless liquid
Flashpoint None
Vapour Pressure 8mm 20°C
Vapour Density 1

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Section 10.0: Stability and Reactivity

- 10.1 Conditions to avoid
Adjacent sources of heat and temperatures over 35°C
- 10.2 Incompatible materials
Incompatibilities Bases Reducing Agents
Alcohols Alkali metals Copper, Copper Alloys
Galvanised iron Aluminium Corrodes steel
Organic materials Amines
- 10.3 Hazardous decomposition products
Toxic fumes of: oxides of nitrogen
- 10.4 Chemical stability
Stable
May discolour to light

Section 11.0: Toxicological information

- 11.1 Acute Toxicity
Causes burns
- 11.2 Dangerous effects for health
RTECS No: QU5775000
Nitric acid
- Toxicity Data
 ORL-HMN LDLO:430 Mg/Kg YAKUD5 22,651,80
 UNR-MAN LDLO:110 Mg/Kg 85DCAI 2,73,70
 Only selected registry of toxic effects of chemical substances (RTEC) data is presented here. See actual
 entry in RTEC for complete information.

Section 12.0: Ecological information

- 12.1 Toxicity
Toxic to fish. Very toxic to bacteria.
- 12.2 Persistence and degradability
Abiotic degradation
- 12.3 Bioaccumulative potential
Does not bioaccumulate
- 12.4 Mobility in soil
Data not available
- 12.5 Assessment PDB and MPMB
Data not available
- 12.6 Other adverse effects
Don not allow it to ensure soils or water channels

Section 13.0: Disposal considerations

Use an authorised waste contractor
Observe all federal, state and local environmental regulations.

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Section 14.0: Transport Information

UN 2031 CLASS 8 Packing group III

Section 15.0: Regulatory Information

GHS Label Elements



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Section 16.0: Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Klipspringer and Surechem products shall not be held liable for any damage resulting from handling or from contract with the above product. See product guide for additional terms and conditions of sale.

GHS version 3 NGT 19.07.17 replaces GHS version 2 dated 12-05-15 which replaced DSK version 1 dated 09-11-010.

Based on FAS, updated with CAERNAP/ASF.

Based on ASF updated to GHS with CAERNAP.

UN number changed.

Version 3 based on CAERNAP, minor alterations only.

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