
MATERIAL SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name:	Nitric Acid 10% solution
CAS No.	Not applicable.
EC No.	Not applicable.
REACH Registration No.	Not known.
Item Code	REA208
Brand:	Solmedia Ltd

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

Identified uses:	PC21 Laboratory chemicals
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1.3 Details of the supplier of the safety data sheet

- Name of Supplier:	Solmedia Ltd.
- Address of Supplier:	Unit 2, Vernon Drive Battlefield Enterprise Park Shrewsbury SY1 3TF UK
- Telephone:	0844 80 80 900
- Email:	labsupplies@solmedialtd.com

1.4 Emergency telephone number

Emergency Phone #	+44 (0)844 80 80 900
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP)

Eye Dam. 1: Causes serious eye damage.

Skin Corr. 1B: Causes severe skin burns and eye damage.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Product Name	Nitric Acid 10% solution
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Hazard Pictogram(s)



GHS05

Signal Word(s) Danger**Hazard Statement(s)** H314: Causes severe skin burns and eye damage.**Precautionary Statement(s)**

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

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

P405: Store locked up.

P501: Dispose of contents in accordance with local, state or national legislation.

2.3 Other hazards

None known

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
nitric acid ... %	7697-37-2	231-714-2	10	Ox. Liq. 3 H272 Skin Corr. 1A H314	GHS03 GHS05

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation	Immediately call a POISON CENTRE/doctor.
Skin Contact	Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a POISON CENTRE/doctor.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE/doctor.
Ingestion	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTRE/doctor.

4.2 Most important symptoms and effects, both acute and delayed

Causes burns.

4.3 Indication of any immediate medical attention and special treatment needed

Specific treatment (see Medical Advice on this label). Immediately call a POISON CENTRE/doctor. Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable Extinguishing media

As appropriate for surrounding fire.

Unsuitable extinguishing media

None.

5.2 Special hazards arising from the substance or mixture

May decompose in a fire, giving off toxic and irritant vapours.

5.3 Advice for firefighters

As appropriate for surrounding fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear suitable protective clothing, gloves and eye/face protection.

6.2 Environmental precautions

This material and its container must be disposed of in a safe way.

6.3 Methods and materials for containment and cleaning up

Absorb spillages onto sand, earth or any suitable absorbent material. Transfer to a container for disposal.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wash hands and exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

7.2 Conditions for safe storage, including any incompatibilities

Store locked up.

Storage temperature Ambient.

Storage life Stable under normal conditions.

Incompatible materials None known

7.3 Specific end use(s)

PC21 Laboratory chemicals

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Nitric acid	7697-37-2			1	2.6	
Nitric acid	7697-37-2	0	0	1	2.6	IOELV

Region	Source
EU	EU Occupational Exposure Limits
United Kingdom	Workplace Exposure Limits (WEL)

Remark	Notes
IOELV	IOELV: Indicative Occupational Exposure Limit Value

8.2 Exposure controls

8.2.1. Appropriate engineering controls

Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment**Eye Protection**

Wear eye protection with side protection (EN166)

**Skin Protection**

Wear protective clothing and gloves: Impervious gloves (EN 374)

**Respiratory protection**

Normally no personal respiratory protection is necessary.

**Thermal hazards**

None known.

8.2.3. Environmental Exposure Controls

Avoid release to the environment.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance	Liquid.
	Colour: Colourless
Odour	Pungent

Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	Not known.
Evaporation rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	1.06 g/cm ³
Relative density	Not known.
Solubility(ies)	Solubility (Water): Not known. Solubility (Other): Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not known.
Oxidising properties	Not known.

9.2 Other safety information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

None anticipated.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

None anticipated.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity - Ingestion

Self-classification:

Not known

Acute toxicity - Skin Contact

Self-classification:

Not known

Acute toxicity - Inhalation

Self-classification:

Not known

Skin corrosion/irritation

Self-classification:

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Self-classification:

Causes serious eye damage.

Skin sensitization data

Self-classification:

Not known

Respiratory sensitization data

Self-classification:

Not known

Germ cell mutagenicity

Self-classification:

Not known

Carcinogenicity

Self classification:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

Self-classification:

Not known

Lactation

Not classified

STOT - single exposure

Self-classification:

Not known

STOT - repeated exposure

Self-classification:

Not known

Aspiration hazard

Self-classification:

Not known

11.2 Other information

Not known.

SECTION 12: Ecological information

12.1 Toxicity**Toxicity - Aquatic invertebrates**

Not known

Toxicity - Fish

Not known

Toxicity - Algae

Not known

Toxicity - Sediment Compartment

Not classified.

Toxicity - Terrestrial Compartment

Not classified.

12.2 Persistence and degradability

Not known

12.3 Bioaccumulative potential

Not known

12.4 Mobility in soil

Not known

12.5 Results of PBT and vPvB assessment

Not known

12.6 Other adverse effects

Not known

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Dispose of contents in accordance with local, state or national legislation. Send to a licensed recycler, reclaimer or incinerator.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: Transport information**14.1 UN number**

3264

14.2 UN proper shipping name

CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

14.3 Transport hazard class(es)**ADR/RID****ADR/RID Class**

8

ADR Classification Code

C1

Special Provisions

274

Limited Quantities

1 L

Excepted Quantities

E2

Emergency Action Code

2X

Mixed Packing Instructions for Packages

P001 IBC02

Special Packing Provisions for Packages**Mixed Packing Instructions for Packages**

MP15

Packing Instructions for Portable Tanks

T11

Special Provisions for Portable Tanks

TP2 TP27

Tank Code for Tanks

L4BN

Special Provisions for Tanks

Vehicle for Tank Carriage

AT

ADR Transport Category

2

Tunnel Restriction Code

E

Special Provisions for Carriage -**Packages****Special Provisions for Carriage - Bulk****Special Provisions for Carriage - Loading,****Unloading and Handling****Special Provisions for Carriage -****Operation****ADR HIN**

80

IMDG**IMDG Class**

8

Special Provisions

274

Limited Quantities

1 L

Excepted Quantities

E2

Mixed Packing Instructions for Packages

P001 IBC02

Special Packing Provisions for Packages**Packing Instructions for Portable Tanks**

T11

Special Provisions for Portable Tanks

TP2 TP27

IMDG EMS

F-A, S-B

Stowage and Handling

Category B SW2

Segregation**Marine Pollutant****ICAO/IATA****IATA Proper Shipping Name**

CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

Excepted Quantities

E2

Passenger and Cargo Aircraft Limited

Y840

Quantities Packing Instructions**Passenger and Cargo Aircraft Limited**

0.5L

Quantities Max net Qty**Passenger and Cargo Aircraft Packing**

851

Instructions**Passenger and Cargo Aircraft Max net****Qty****Cargo Aircraft Packing Instructions**

855

Cargo Aircraft Max net Qty

30L

Special Provisions

A3, A803

Emergency Response Guidebook (ERG)

8L

Code

Labels

Labels

8



14.4 Packaging group

II

14.5 Environmental hazards

Not classified as a Marine Pollutant.

14.6 Special precautions for user

Not known.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No information available

SECTION 15: Regulatory information

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

European Regulations - Authorisations and/or Restrictions on Use

Candidate List of Substances of Very

Not listed

High Concern for Authorisation

REACH: ANNEX XIV list of substances subject to authorisation

Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Not listed

Community Rolling Action Plan (CoRAP)

Not listed

Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants

Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer

Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals

Not listed

**National regulations
Other**

Not known.

15.2 Chemical safety assessment

A REACH chemical safety assessment has not been carried out.

SECTION 16: Other information

LEGEND

Hazard Pictogram(s)



GHS05

GHS03: flame over circle

Hazard classification

Ox. Liq. 3: Oxidising liquid, Category 3

Skin Corr. 1A: Skin corrosion/irritation, Category 1A

Hazard Statement(s)

H272: May intensify fire; oxidiser.

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

Precautionary Statement(s)

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P264: Wash hands and exposed skin thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304+P340: IF INHALED: Remove person to fresh air and keep 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.

P310: Immediately call a POISON CENTER/doctor.

P321: Specific treatment (see Medical Advice on this label).

P363: Wash contaminated clothing before reuse.

P405: Store locked up.

P501: Dispose of contents in accordance with local, state or national legislation.

Acronyms

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS: Chemical Abstracts Service

CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

DNEL: Derived No Effect Level

EC: European Community

EINECS: European Inventory of Existing Commercial Chemical Substances

IATA: International Air Transport Association

IBC: Intermediate Bulk Container

ICAO: International Civil Aviation Organization

IMDG: International Maritime Dangerous Goods

LTEL: Long term exposure limit

PBT: Persistent, Bioaccumulative and Toxic

PNEC: Predicted No Effect Concentration

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

STEL: Short term exposure limit

STOT: Specific Target Organ Toxicity

UN: United Nations

vPvB: very Persistent and very Bioaccumulative

Further 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. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Solmedia Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.