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## MATERIAL SAFETY DATA SHEET (MSDS)

### NITRIC ACID ABT.70 % PURE LR

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

##### 1.1. Product identifier

Trade name : NITRIC ACID ABT.70 % PURE LR

Product code : SA0010702500

CAS No: 7697-37-2

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

Use : Industrial. For professional use only.

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

Company identification : SUVCHEM  
 Chaitanya Tower, 2nd Floor, Office # 206,  
 Siddharth Nagar, S.V. Road,  
 Goregaon (West), Mumbai - 400062,  
 Maharashtra, India.  
 Contact: +91 22 28725393 / 94 / 95  
 Email ID: info@suvchem.com/care@suvchem.com

##### 1.4. Emergency telephone number

Phone no. : + 91 22 28725393 / 94 / 95 (9:00am - 6:00 pm) [ Office hours ]

#### 2. Hazards identification -DSD

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

##### Classification EC 67/548 or EC 1999/45

Classification : C; R35

##### Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Not classified.

##### 2.2. Label elements

##### Labelling EC 67/548 or EC 1999/45

Symbol(s)



Symbol(s)

: O : Oxidizing  
 C : Corrosive

R Phrase(s)

:  
 R35 : Causes severe burns.

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**2. Hazards identification -DSD (continued)**

**S Phrase(s)** :  
 S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S36 : Wear suitable protective clothing.  
 S45 : In case of accident or if you feel unwell, seek medical advice immediately ( show the label when possible).

**Contains** : NITRIC ACID

**Labelling Regulation EC 1272/2008 (CLP)**

Not classified.

**Hazard pictograms**


**Contains** : NITRIC ACID

**2.3. Other hazards**

**Other hazards** : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

**3. Composition/information on ingredients**

**Substance / Preparation** : Preparation.

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
NITRIC ACID	69 71	7697-37-2	231-714-2	----	----	C; R35 Not classified (GHS)

**4. First aid measures**
**4.1. Description of first aid measures**

**Inhalation** : Assure fresh air breathing. Allow the victim to rest.  
**Skin contact** : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.  
**Eye contact** : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.  
**Ingestion** : Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.

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

**Symptoms relating to use** : Not expected to present a significant hazard under anticipated conditions of normal use.

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

**MATERIAL SAFETY DATA SHEET (MSDS)**
**NITRIC ACID ABT.70 % PURE LR**
**4. First aid measures (continued)**

**General information** : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**5. Fire-fighting measures**
**5.1. Extinguishing media**

**Suitable extinguishing media** : Foam. Dry powder. Carbon dioxide. Water spray. Sand.  
**Unsuitable extinguishing media** : Do not use a heavy water stream.  
**Surrounding fires** : Use water spray or fog for cooling exposed containers.

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

**Hazardous combustion products** : Under fire conditions, hazardous fumes will be present.

**5.3. Advice for fire-fighters**

**Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.  
**Special procedures** : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

**6. Accidental release measures**
**6.1. Personal precautions, protective equipment and emergency procedures**

**For emergency responders** : Equip cleanup crew with proper protection.  
 Ventilate area.  
**For non-emergency personnel** : Evacuate unnecessary personnel.

**6.2. Environmental precautions**

**Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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

**Clean up methods** : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

**6.4. Reference to other sections**

See section 8. Exposure controls/personal protection

**MATERIAL SAFETY DATA SHEET (MSDS)**
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**7. Handling and storage**
**7.1. Precautions for safe handling**

- Handling** : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
- Technical protective measures** : Provide good ventilation in process area to prevent formation of vapour.

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

- Storage** : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.
- Storage - away from** : Strong bases. Strong acids. Sources of ignition. Direct sunlight.

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

- Specific end use(s)** : None.

**8. Exposure controls/personal protection**
**8.1. Exposure controls**

- Personal protection** : Avoid all unnecessary exposure.
- **Respiratory protection** : Wear approved mask.
  - **Hand protection** : Wear protective gloves.
  - **Eye protection** : Chemical goggles or safety glasses.
  - **Others** : When using, do not eat, drink or smoke.

**8.2. Control parameters**

- Occupational Exposure Limits** : No data available.

**9. Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**

- Physical state at 20 °C** : Liquid.
- Colour** : Colorless
- Odour** : Characteristic.
- Odour threshold** : No data available.
- pH value** : No data available.
- Melting point [°C]** : No data available.
- Decomposition point [°C]** : No data available.
- Critical temperature [°C]** : No data available.

**MATERIAL SAFETY DATA SHEET (MSDS)**
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**9. Physical and chemical properties (continued)**

Auto-ignition temperature [°C]	: No data available.
Flammability (solid, gas)	: No data available.
Flash point [°C]	: No data available.
Initial boiling point [°C]	: No data available.
Final boiling point [°C]	: No data available.
Evaporation rate	: No data available.
Vapour pressure [20°C]	: No data available.
Vapour density	: No data available.
Density [g/cm <sup>3</sup> ]	: No data available.
Relative density, liquid (water=1)	: No data available.
Solubility in water	: No data available.
Log Pow octanol / water at 20°C	: No data available.
Viscosity at 40°C [mm <sup>2</sup> /s]	: No data available.

**9.2. Other information**

Explosive properties	: No data available.
Explosion limits - upper [%]	: No data available.
Explosion limits - lower [%]	: No data available.
Oxidising properties	: No data available.

**10. Stability and reactivity**
**10.1. Reactivity**

Reactivity	: Not established.
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**10.2. Chemical stability**

Chemical stability	: Stable under recommended storage conditions.
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**10.3. Possibility of hazardous reactions**

Hazardous reactions	: Not established.
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**10.4. Conditions to avoid**

Conditions to avoid	: Direct sunlight. Extremely high or low temperatures.
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**10.5. Incompatible materials**

Materials to avoid	: Strong acids. Strong bases.
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**10.6. Hazardous decomposition products**

**MATERIAL SAFETY DATA SHEET (MSDS)**
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**10. Stability and reactivity (continued)**

**Hazardous decomposition products** : Fumes. Carbon monoxide. Carbon dioxide.

**11. Toxicological information**
**11.1. Information on toxicological effects**

<b>Toxicity information</b>	: The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.
<b>Acute toxicity</b>	
• Inhalation	: Based on available data, the classification criteria are not met.
• Dermal	: Based on available data, the classification criteria are not met.
• Ingestion	: Based on available data, the classification criteria are not met.
<b>Corrosion</b>	: Based on available data, the classification criteria are not met.
<b>Irritation</b>	: Based on available data, the classification criteria are not met.
<b>Sensitization</b>	: Based on available data, the classification criteria are not met.
<b>Mutagenicity</b>	: Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	: Based on available data, the classification criteria are not met.
<b>Toxic for reproduction</b>	: Based on available data, the classification criteria are not met.
<b>STOT-single exposure</b>	: Based on available data, the classification criteria are not met.
<b>STOT-repeated exposure</b>	: Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	: Based on available data, the classification criteria are not met.

**12. Ecological information**
**12.1. Toxicity**

<b>Toxicity information</b>	: The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.
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**12.2. Persistence - degradability**

<b>Persistence - degradability</b>	: Biodegradable.
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**12.3. Bioaccumulative potential**

<b>Bioaccumulative potential</b>	: Not established.
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**12.4. Mobility in soil**

<b>Mobility in soil</b>	: Not established.
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**12.5. Results of PBT and vPvB assessment**

**MATERIAL SAFETY DATA SHEET (MSDS)**
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**12. Ecological information (continued)**

**Results of PBT and vPvB assessment** : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

**12.6. Other adverse effects**

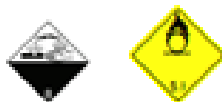
**Environmental precautions** : Avoid release to the environment.

**13. Disposal considerations**
**13.1. Waste treatment methods**

**General** : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

**14. Transport information**
**14.1. Land transport (ADR-RID)**

**Proper shipping name** : NITRIC ACID, other than red fuming, with  $\geq 65\%$  but  $\leq 70\%$  nitric acid  
**UN N°** : 2031  
**H.I. nr** : 85  
**ADR - Class** : 8  
**Labelling - Transport** : 8 : Corrosive substance. 5.1 : Oxidizing substances.



**ADR - Classification code** : CO1  
**ADR - Group** : II  
**ADR - Packing instructions** : P001  
**ADR - Limited Quantity** : 1 L  
**ADR - Tunnel code**



: E : Passage forbidden through tunnels of category E.

**14.2. Sea transport (IMDG) [English only]**

**Proper shipping name** : NITRIC ACID, other than red fuming, with  $\geq 65\%$  but  $\leq 70\%$  nitric acid  
**UN N°** : 2031  
**IMO-IMDG - Class or division** : 8 : Corrosive substance. ( 5.1 : Oxidizing substances. )



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**14. Transport information (continued)**

IMO-IMDG - Packing group	: II
IMO- IMDG - Packing instructions	: P001
IMO-IMDG - Limited quantities	: 1 L
IMO-IMDG - Marine pollution	: No
EMS-Nr	: F-A S-B

**14.3. Air transport (ICAO-IATA) [English only]**

Proper shipping name	: NITRIC ACID, other than red fuming, with >= 65% but <= 70% nitric acid
UN N°	: 2031
IATA - Class or division	: 8 : Corrosive substance. ( 5.1 : Oxidizing substances. )
IATA - Packing group	: II
IATA - Passenger and Cargo Aircraft	: NOT ALLOWED
IATA - Cargo only	: ALLOWED
- Cargo only - Packing instruction	: 855
- Cargo only - Maximum Quantity/ Packing	: 30 L
ERG-Nr	: 8L

**15. Regulatory information**
**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Safety, health and environmental regulations/legislation specific for the substance or mixture	: Ensure all national/local regulations are observed.
REACH Restrictions - Annex XVII	: The components of this product are not subject to restrictions.
REACH Authorisation - Annex XIV	: The components of this product are not subject to authorization.

**15.2. Chemical Safety Assessment**

Chemical Safety Assessment	: It has not been carried out.
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**16. Other information**

Revision	: Revision - See : *
Abbreviations and acronyms	: PBT: persistent, bioaccumulative and toxic. vPvB: very persistent and very bioaccumulative
Sources of key data used	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
List of relevant R phrases (heading 3)	: R35 : Causes severe burns.



**MATERIAL SAFETY DATA SHEET (MSDS)**

**NITRIC ACID ABT.70 % PURE LR**

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

**DISCLAIMER:**

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

**End of document**