

**1. Identification**

Product Code **CN4900-24**

Product Name **NITRIC ACID N/10 (0.1M) A.R.**

CAS Number 7647-01-0

Supplier:  **BEECROFT & PARTNERS**  
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**2. Composition**

| Component   | CAS No    | EEC No    | Conc w/w | Classification & Risk Phrases | Exp (See 8.1) |
|-------------|-----------|-----------|----------|-------------------------------|---------------|
| Nitric acid | 7647-01-0 | 231-595-7 | 0.6%     | None                          | N/A           |

**3. Hazards Identification**

Not considered harmful

**4. First Aid Measures**

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open.  
OBTAIN MEDICAL ATTENTION.

Skin Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use.

Inhalation Remove from exposure.

Ingestion Wash out the patients mouth thoroughly with water.

**5. Fire Fighting Measures**

Hazards Presents no specific fire danger.

Extinguishing Media Consider what other flammable materials are present and act accordingly.

Unsuitable Media Nothing specified.

**6. Accidental Release Measures**

Personal Protection Use approved personal protective equipment. Evacuate area immediately. Do not allow general use of area until it is safe to do so.

Enviromental Keep non-neutralised material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.

Major Spillage Contain and absorb on inert material. Transfer absorbent to salvage container for removal. Wash area down with copious amounts of water.

## 6. Accidental Release Measures (continued)

|                |                                               |
|----------------|-----------------------------------------------|
| Minor Spillage | Wash area down with copious amounts of water. |
|----------------|-----------------------------------------------|

## 7. Storage & Handling

|                      |                                                                                                                                                                                                      |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling Precautions | Avoid contact with skin and eyes. Do not breath vapours. Do not allow to contaminate clothing.<br><br>Ensure Local Exhaust Ventilation maintains vapour concentrations below the recommended limits. |
| Storage Conditions   | Well ventilated, cool, dry storage .                                                                                                                                                                 |

## 8.1 Occupational Exposure Limits

No prescribed exposure limits available

## 8.2 Personal Protection

|             |                                                                                                                                                                                                    |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Respiratory | Use L.E.V. or natural ventilation to maintain vapour concentrations below exposure limits. If not, use a well maintained chemical cartridge respirator, or use self contained breathing apparatus. |
| Hands       | Wear gloves.                                                                                                                                                                                       |
| Eyes        | Use chemical splash proof glasses or goggles.                                                                                                                                                      |
| Skin        | If skin contact or contamination of clothing is likely, protective clothing must be worn.                                                                                                          |

## 9. Physical & Chemical Properties

|                       |                               |
|-----------------------|-------------------------------|
| Appearance            | Clear colourless liquid.      |
| Odour                 | Odourless.                    |
| pH                    | 1 @ 20 °C                     |
| Boiling point         | Aqueous solution              |
| Melting point         | Aqueous solution              |
| Flash point           | Not available                 |
| Upper Flammable Limit | Not available                 |
| Lower Flammable Limit | Not available                 |
| Auto Ignition         | Not available                 |
| Explosive properties  | No.                           |
| Oxidising Properties  | No.                           |
| Vapour Pressure       | Not available                 |
| Relative Density      | 1.0170                        |
| Water Solubility      | Completely miscible in water. |

## 10. Stability & Reactivity

|                                  |                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------|
| Chemical Stability               | Stable under normal conditions                                                                        |
| Conditions to Avoid              | No specific conditions.                                                                               |
| Materials to Avoid               | Alkalis. Potassium permanganate. Reacts with most metals to produce extremely flammable hydrogen gas. |
| Hazardous Decomposition Products | Will decompose to emit toxic and irritant fumes of hydrogen chloride.                                 |

## 11. Toxicological Information

|             |                                                 |
|-------------|-------------------------------------------------|
| Eyes        | The liquid may be irritating to the eyes.       |
| Skin        | Presents no significant hazard by skin contact. |
| LD50 Skin   | Not available                                   |
| Ingest      | Presents no significant hazard by ingestion.    |
| LD50 Ingest | Not available                                   |

## 11. Toxicological Information (continued)

|                      |                                                      |
|----------------------|------------------------------------------------------|
| Inhalation           | Presents no significant health hazard by inhalation. |
| Carcinogenicity      | Not considered to be a carcinogen.                   |
| Mutagenicity         | Not considered to be a mutagen.                      |
| Reproductive Effects | None identified.                                     |

## 12. Ecological

No specific environmental hazard.

## 13. Disposal Considerations

|                        |                                                                                   |
|------------------------|-----------------------------------------------------------------------------------|
| Disposal Methods       | Neutralise with lime water or sodium hydroxide prior to disposal. Flush to drain. |
| Contaminated Packaging | Wash out containers with water. Use a licensed waste disposer.                    |

## 14. Transport Information

|                      |                |
|----------------------|----------------|
| Proper Shipping Name | Non-restricted |
| UN Number            | Non-restricted |
| UN Classification    | None           |
| Subsidiary Risk      | None           |
| Flash Point          | Not available  |
| Packing Group        | None           |
| Marine pollutant     | No             |
| ADR Hazard ID        | Non-restricted |

## 15. Regulatory Information

|                |      |
|----------------|------|
| Labelling      | None |
| Classification |      |

|               |      |
|---------------|------|
| Label Symbols | None |
|---------------|------|

|                       |      |
|-----------------------|------|
| Risk & safety Phrases | None |
|-----------------------|------|

|            |           |
|------------|-----------|
| EEC Number | 231-595-7 |
|------------|-----------|

## 16. Other Information

|                      |                                                                          |
|----------------------|--------------------------------------------------------------------------|
| Document Information | This document has been prepared in accordance with directive 88/379/EEC. |
|----------------------|--------------------------------------------------------------------------|

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.

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