

Date of Issue: 2010-06-21

**1. Identification of Substance/Preparation and Company/Undertaking:**

Name of Product: *EnviroMAT ES-L-1* certified reference material for ground water (Low level) in 6,7% nitric acid matrix.

Catalogue No: 140-025-034

Name of Manufacturer: SCP SCIENCE  
21 800 Clark-Graham  
Baie d'Urfé, Québec  
Canada H9X 4B6  
Tel: 514-457-0701  
Fax: 514-457-4499

Name of Supplier in Europe:  
SCP SCIENCE, 12 Avenue du Québec  
Bâtiment I-2 SILIC 642  
91965 Courtaboeuf (Les Ulis)  
CEDEX, France  
Téléphone: 33-01-69-18-71-17  
Télécopieur: 33-01-60-92-05-67

In the United States:  
SCP SCIENCE  
348 Route 11  
Champlain, NY  
12919-4816  
Tel: (800) 361-6820  
Fax: (800) 253-5549

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**2. Composition and Information on Ingredients:**

Nitric acid: (6,7%)

CAS No.: 7697-37-2

EU-Index No.: 007-004-00-1

Fatal dose for humans: 5-10 ml conc. HNO<sub>3</sub>

LC<sub>50</sub> (rat-inh): 224 ppm NO<sub>2</sub>/30 min.

EU Symbol: C O

R Phrases: 8, 35 Contact with combustible material may cause fire. Causes severe burns.

The preparation also contains trace amounts (< 0,1%) of various metals and metal salts.

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**3. Hazards Identification:**

Potential Health Effects:

Eyes: Causes burns on contact. May cause permanent injury or blindness.

Skin: Causes burns on contact.

Ingestion: Harmful if ingested.

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**4. First Aid Measures:**

Inhalation: Remove the victim from exposure.

Contact with skin: Rinse with plenty of water.

Contact with eyes: Rinse with plenty of water for at least 15 minutes, including under the upper and lower eyelids and seek medical advice.

Ingestion: Seek medical advice immediately and show this container or label. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Do not induce vomiting

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**5. Fire-fighting Measures:**

Extinguishing Media:

Appropriate: Usual media appropriate to surrounding fire conditions.

Avoid: ---

Special protective equipment for firefighters: Wear suitable protective clothing, gloves, and eye/face protection.

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**6. Accidental Release Measures:**

Personal protection: Wear suitable protective clothing, gloves, and eye/face protection.

Environmental precautions: ---

Methods for cleaning up: Dilute with water, spread sodium bicarbonate on the spill. Collect spilled material in suitable container for proper disposal.

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**7. Handling and Storage:**

Have immediate availability of an eyewash in case of emergency. Do not store in metal container.

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**8. Exposure Controls and Personal Protection:**

Preventive measures:

Respirators: In case of insufficient ventilation, wear suitable respiratory equipment. Use laboratory fume hood.

Hand/Skin: Wear suitable clothing and gloves.

Eye: Eye-wash station in proximity. Avoid contact with skin and eyes.

Personal hygiene: Wash hands after use.

Other information:

Exposure controls:

Nitric Acid: TLV 2 ppm; 5,2 mg/m<sup>3</sup> (as STEL: 4 ppm, 10 mg/m<sup>3</sup>) (ACGIH 1993-1994)

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**9. Physical and Chemical Properties:**

State: aqueous liquid

Colour: colourless

Odour: odourless

Important health, safety and environmental information:

pH: c. 1

Boiling Point: c 110 C

Flash Point: NA

Flammability (solid/gas): non-inflammable

Explosive properties: NA

Vapour pressure: NA

Relative density: NA

Solubility in water: miscible (in all proportions)

Solubility in solvent oil:

Partition coefficient: n-octanol/water: NA

Viscosity: NA

Vapour density: NA

Evaporation rate: NA

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Other information: ---

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**10. Stability and Reactivity:**

Stability: stable at room temperature and conditions of use.  
Conditions to avoid: excessive heat.  
Materials to avoid: reacts with bases.  
Hazardous decomposition products: possibility of nitrogen oxides.  
Other data: The preparation attacks many metals

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**11. Toxicological Information:**

Acute toxicity of preparation: No information about preparation available.  
Local effects: The preparation is corrosive.  
Long-term toxicity: no information available.

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**12. Ecological Information:**

Ecotoxicity: no information about this preparation is available.  
Mobility: no information about this preparation is available.  
Persistence and degradability: no information about this preparation is available.  
Bioaccumulative potential: no information about this preparation is available.

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**13. Disposal Considerations:**

Consult local hazardous or chemical waste disposal agency for regulations.

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**14. Transport Information:**

IDMG (sea):

UN Number: UN3264  
Class: 8  
Proper shipping name: Corrosive liquid, acidic, inorganic, n.o.s. (nitric acid 6,7%)  
Packing group: II, III  
Other applicable information:

ADR/DOT (road):

UN Number: UN1760  
Class: 8  
Proper shipping name: Corrosive liquid, n.o.s. (nitric acid 6,7%)  
Packing group: II, III  
Other applicable information:

ICAO/IATA (air):

UN Number: UN3264  
Class: 8  
Proper shipping name: Corrosive liquid, acidic, inorganic, n.o.s. (nitric acid 6,7%)  
Packing group: II, III  
Other applicable information:

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**15. Regulatory Information:**

No component of this preparation is listed in the National Toxicology Program ARC (9<sup>th</sup> Report on

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carcinogens) or appears in the list (May 7, 2004) of chemicals known to the state to cause cancer or reproductive toxicity (California Proposition 65).

EU labelling in accordance with EC Directives:

Symbol: C Corrosive

R-Phrases: 34 Causes burns.

S-Phrases: 26, 36/37/39, 45 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves, and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

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**16. Other Information:**

The information contained herein is believed to be accurate and is supplied in good faith. Individuals receiving this data must exercise their own judgement in determining its suitability for a particular purpose.