

Date of Issue: 2009-04-21
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1. Identification of Substance/Preparation and Company/Undertaking:

Name of Product: *Plasma***CAL** calibration standard for ICP-AES & ICP-MS containing 1000 µg/ml Au. (Gold in 10% hydrochloric acid). Traceable to NIST.

Catalogue No: 140-052-790/791/792/795

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

2. Composition and Information on Ingredients:

Hydrochloric acid: (10%)

CAS No.: 7647-01-0 (anh)

EU-Index No.: 017-002-01-X

Fatal dose for humans: 15-20 ml conc. HCl

LC₅₀: (rat-inh) 1562 ppm/4 h.

EU Symbol: C

R Phrases: 34, 37 Causes burns. Irritating to respiratory system.

Gold: (0,1%)

CAS No.: 7440-57-5

EU-Index No.: ---

LD₅₀: unknown

LC₅₀: unknown

EU Symbol: ---

R Phrases: ---

3. Hazards Identification:

Potential Health Effects:

Eye: The preparation causes burns.

Skin: The preparation causes burns.

Ingestion: The preparation causes burns.

Inhalation: The preparation causes burns. Effects may be delayed.

4. First Aid Measures:

Inhalation: Remove the victim from exposure. If symptoms persist or develop seek medical advice.

Contact with Skin: After contact with skin, wash immediately with plenty of water.

Contact with eyes: In case of contact with eyes, rinse immediately with plenty of water, including under the upper and lower eyelids, and seek medical advice.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water.

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.

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.

7. Handling and Storage:

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

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:

Hydrochloric acid: TLV: 5 ppm (as ceiling value) ACGIH

Gold: NA

9. Physical and Chemical Properties:

State: aqueous liquid

Colour: yellow

Odour: odourless

Important health, safety and environmental information:

pH: <1
Boiling Point: c 105 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

Other information: ---

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 explosive gas.
Other data: The preparation attacks many metals

11. Toxicological Information:

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

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.

13. Disposal Considerations:

Consult local hazardous or chemical waste disposal agency for regulations.

14. Transport Information:

IDMG (sea):
UN Number: UN3264
Class: 8
Proper shipping name: Corrosive liquid, acidic, inorganic, n.o.s. (hydrochloric acid 10%)
Packing group: III
Other applicable information:
ADR/DOT (road):
UN Number: UN1760
Class: 8
Proper shipping name: Corrosive liquid, n.o.s. (hydrochloric acid 10%)

Packing group: III
Other applicable information:
ICAO/IATA (air):
UN Number: UN3264
Class: 8
Proper shipping name: Corrosive liquid, acidic, inorganic, n.o.s. (hydrochloric acid 10%)
Packing group: III
Other applicable information:

15. Regulatory Information:

No component of this preparation is listed in the National Toxicology Program ARC (9th Report on carcinogens) or in the list (June 28, 2002) 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
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).

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.