

Safety Data Sheet

acc. to OSHA HCS

Revision date: 06/05/2026

1 Identification

- **Product identifier**
- **Product Name:** ICP Calibration Standard (125 mL)
- **Part no. :** ICM-106
- **Application of the substance / the mixture** Reagents and Standards for Analytical Chemical Laboratory Use
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 Agilent Technologies, Inc.
 5301 Stevens Creek Blvd.
 Santa Clara, CA 95051 USA
- **Information department:**
 Telephone: 800-227-9770
 e-mail: pdl-msds_author@agilent.com
- **Emergency telephone number:** CHEMTREC®: 1-800-424-9300

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS06 Skull and crossbones

Acute toxicity - inhalation 2 H330 Fatal if inhaled.



GHS05 Corrosion

Corrosive to metals 1 H290 May be corrosive to metals.
 Eye damage 1 H318 Causes serious eye damage.



GHS07

Skin irritation 2 H315 Causes skin irritation.

- **Label elements**

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS05 GHS06

- **Signal word** Danger

- **Hazard-determining components of labeling:**

nitric acid

hydrogen fluoride

- **Hazard statements**

H290 May be corrosive to metals.

H330 Fatal if inhaled.

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H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements

- P260 Do not breathe vapors.
- P284 [In case of inadequate ventilation] wear respiratory protection.
- P280 Wear protective gloves / eye protection / face protection.
- P234 Keep only in original packaging.
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P310 Immediately call a poison center/doctor.
- P320 Specific treatment is urgent (see on this label).
- P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P302+P352 If on skin: Wash with plenty of water.
- P390 Absorb spillage to prevent material damage.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P406 Store in a corrosion resistant container / container with a resistant inner liner.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Information pertaining to particular dangers for man and environment:
Classification system:
NFPA ratings (scale 0 - 4)

HMIS-ratings (scale 0 - 4)

HEALTH	3	Health = 3
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

Other hazards
Results of PBT and vPvB assessment

 · **PBT:** Not applicable

 · **vPvB:** Not applicable

Classification according to (d)(1)(ii) of § 1910.1200

The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

Hazards not otherwise classified

There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

* 3 Composition/information on ingredients

Chemical characterization: Mixtures

 · **Description:** Mixture of the substances listed below with nonhazardous additions.

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· Dangerous components:

7697-37-2	nitric acid	3.5%
7664-39-3	hydrogen fluoride	0.1%

4 First-aid measures

· Description of first aid measures
· General information:

Immediately remove any clothing soiled by the product.

Remove breathing apparatus only after contaminated clothing have been completely removed.

In case of irregular breathing or respiratory arrest provide artificial respiration.

· After inhalation:

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact: Immediately wash with water and soap and rinse thoroughly.

· After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

· After swallowing: If symptoms persist consult doctor.

· Most important symptoms and effects, both acute and delayed No further relevant information available.

· Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

· Extinguishing media
· Suitable extinguishing agents: Use fire fighting measures that suit the environment.

· Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

· Advice for firefighters
· Protective equipment: Mouth respiratory protective device.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

· Environmental precautions: Do not allow to enter sewers/ surface or ground water.

· Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralizing agent.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

· Protective Action Criteria for Chemicals
· PAC-1:

7697-37-2	nitric acid	0.16 ppm
7664-39-3	hydrogen fluoride	1.0 ppm
13446-18-9	magnesium nitrate hexahydrate	16 mg/m3
471-34-1	calcium carbonate	45 mg/m3

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		(Contd. of page 3)
7631-99-4	sodium nitrate	3.8 mg/m ³
7757-79-1	potassium nitrate	11 mg/m ³
1313-27-5	molybdenum trioxide	2.3 mg/m ³
1327-53-3	diarsenic trioxide	0.27 mg/m ³
3251-23-8	copper dinitrate	0.18 mg/m ³
7440-69-9	bismuth	120 mg/m ³
7446-08-4	selenium dioxide	0.84 mg/m ³
7782-61-8	iron (III) nitrate nonahydrate	14 mg/m ³
7803-55-6	ammonium trioxovanadate	0.058 mg/m ³
10022-31-8	barium nitrate	2.9 mg/m ³
10022-68-1	Nitric acid, cadmium salt, tetrahydrate	1.2 mg/m ³
10026-22-9	cobalt (II) nitrate hexahydrate	0.30 mg/m ³
10042-76-9	strontium nitrate	8.3 mg/m ³
10043-35-3	boric acid	6.0 mg/m ³
10099-74-8	lead dinitrate	0.24 mg/m ³
10102-45-1	thallium nitrate	0.078 mg/m ³
10196-18-6	zinc(II) nitrate hexahydrate	18 mg/m ³
10377-66-9	manganese dinitrate	9.8 mg/m ³
13478-00-7	Nitric acid, nickel(2+) salt, hexahydrate	1.5 mg/m ³

· PAC-2:

7697-37-2	nitric acid	24 ppm
7664-39-3	hydrogen fluoride	24 ppm
13446-18-9	magnesium nitrate hexahydrate	180 mg/m ³
471-34-1	calcium carbonate	210 mg/m ³
7631-99-4	sodium nitrate	42 mg/m ³
7757-79-1	potassium nitrate	120 mg/m ³
1313-27-5	molybdenum trioxide	43 mg/m ³
1327-53-3	diarsenic trioxide	3.0 mg/m ³
3251-23-8	copper dinitrate	26 mg/m ³
7440-69-9	bismuth	1300 mg/m ³
7446-08-4	selenium dioxide	2.2 mg/m ³
7782-61-8	iron (III) nitrate nonahydrate	110 mg/m ³
7803-55-6	ammonium trioxovanadate	0.64 mg/m ³
10022-31-8	barium nitrate	350 mg/m ³
10022-68-1	Nitric acid, cadmium salt, tetrahydrate	13 mg/m ³
10026-22-9	cobalt (II) nitrate hexahydrate	23 mg/m ³
10042-76-9	strontium nitrate	91 mg/m ³
10043-35-3	boric acid	21 mg/m ³
10099-74-8	lead dinitrate	180 mg/m ³
10102-45-1	thallium nitrate	4.3 mg/m ³
10196-18-6	zinc(II) nitrate hexahydrate	39 mg/m ³

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10377-66-9	manganese dinitrate	16 mg/m ³
13478-00-7	Nitric acid, nickel(2+) salt, hexahydrate	53 mg/m ³
· PAC-3:		
7697-37-2	nitric acid	92 ppm
7664-39-3	hydrogen fluoride	44 ppm
13446-18-9	magnesium nitrate hexahydrate	1100 mg/m ³
471-34-1	calcium carbonate	1300 mg/m ³
7631-99-4	sodium nitrate	250 mg/m ³
7757-79-1	potassium nitrate	740 mg/m ³
1313-27-5	molybdenum trioxide	260 mg/m ³
1327-53-3	diarsenic trioxide	9.1 mg/m ³
3251-23-8	copper dinitrate	160 mg/m ³
7440-69-9	bismuth	7900 mg/m ³
7446-08-4	selenium dioxide	13 mg/m ³
7782-61-8	iron (III) nitrate nonahydrate	640 mg/m ³
7803-55-6	ammonium trioxovanadate	12 mg/m ³
10022-31-8	barium nitrate	2100 mg/m ³
10022-68-1	Nitric acid, cadmium salt, tetrahydrate	78 mg/m ³
10026-22-9	cobalt (II) nitrate hexahydrate	140 mg/m ³
10042-76-9	strontium nitrate	540 mg/m ³
10043-35-3	boric acid	130 mg/m ³
10099-74-8	lead dinitrate	1100 mg/m ³
10102-45-1	thallium nitrate	26 mg/m ³
10196-18-6	zinc(II) nitrate hexahydrate	240 mg/m ³
10377-66-9	manganese dinitrate	98 mg/m ³
13478-00-7	Nitric acid, nickel(2+) salt, hexahydrate	320 mg/m ³

· Reference to other sections

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

7 Handling and storage

· Precautions for safe handling

- Ensure good ventilation/exhaustion at the workplace.
- Open and handle receptacle with care.
- Prevent formation of aerosols.

· Information about protection against explosions and fires: Keep respiratory protective device available.

· Conditions for safe storage, including any incompatibilities
· Storage:

- Requirements to be met by storerooms and receptacles:** No special requirements.
- Information about storage in one common storage facility:** Not required
- Further information about storage conditions:** Keep receptacle tightly sealed.

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 · **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

 · **Control parameters**

 · **Components with limit values that require monitoring at the workplace:**
7697-37-2 nitric acid

PEL	Long-term value: 5 mg/m ³ , 2 ppm
REL	Short-term value: 10 mg/m ³ , 4 ppm Long-term value: 5 mg/m ³ , 2 ppm
TLV	Short-term value: 10 mg/m ³ , 4 ppm Long-term value: 5.2 mg/m ³ , 2 ppm

7664-39-3 hydrogen fluoride

PEL	Long-term value: 1* mg/m ³ , 3 ppm as F, *sulfuric acid
REL	Long-term value: 2.5 mg/m ³ , 3 ppm Ceiling limit value: 5* mg/m ³ , 6* ppm *15-min, as F
TLV	Long-term value: 0.5 ppm Ceiling limit value: 2 ppm as F; Skin, BEI

 · **Ingredients with biological limit values:**
7664-39-3 hydrogen fluoride

BEI	2 mg/L Medium: urine Time: prior to shift Parameter: Fluorides (background, non-specific)
	3 mg/L Medium: urine Time: end of shift Parameter: Fluorides (background, non-specific)

 · **Additional information:** The lists that were valid during the creation were used as basis.

 · **Exposure controls**

 · **Appropriate engineering controls** No further data; see section 7.

 · **Personal protective equipment:**

 · **General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Store protective clothing separately.
- Do not inhale gases / fumes / aerosols.
- Avoid contact with the skin.
- Avoid contact with the eyes and skin.

 · **Breathing equipment:**

When used as intended with Agilent instruments, the use of the product under normal laboratory conditions and with standard practices does not result in significant airborne exposures and therefore respiratory protection is not needed.

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Under an emergency condition where a respirator is deemed necessary, use a NIOSH or equivalent approved device/equipment with appropriate organic or acid gas cartridge.

· **Protection of hands:**

Although not recommended for constant contact with the chemicals or for clean-up, nitrile gloves 11-13 mil thickness are recommended for normal use. The breakthrough time is 1 hr. For cleaning a spill where there is direct contact of the chemical, butyl rubber gloves are recommended 12-15 mil thickness with breakthrough times exceeding 4 hrs. Supplier recommendations should be followed.

· **Material of gloves**

For normal use: nitrile rubber, 11-13 mil thickness

For direct contact with the chemical: butyl rubber, 12-15 mil thickness

· **Penetration time of glove material**

For normal use: nitrile rubber: 1 hour

For direct contact with the chemical: butyl rubber: >4 hours

· **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Liquid

· **Color:**

Colorless

· **Odor:**

Odorless

· **Odor threshold:**

Not determined

· **Melting point/Melting range:**

0 °C (32 °F)

· **Boiling point/Boiling range:**

100 °C (212 °F)

· **Flammability:**

Not applicable

· **Explosion limits:**

· **Lower:**

Not determined

· **Upper:**

Not determined

· **Flash point:**

Not applicable

· **Decomposition temperature:**

Not determined

· **pH-value:**

Not determined

· **Viscosity:**

· **Kinematic:**

Not determined

· **Dynamic at 20 °C (68 °F):**

0.952 mPas

· **Solubility in / Miscibility with**

· **Water:**

Not miscible or difficult to mix.

· **Partition coefficient (n-octanol/water):**

Not determined

· **Vapor pressure at 20 °C (68 °F):**

23 hPa (17.3 mm Hg)

· **Vapor pressure:**

· **Density at 20 °C (68 °F):**

1.01165 g/cm³ (8.44222 lbs/gal)

· **Relative density**

Not determined

· **Vapor density**

Not determined

· **Particle characteristics**

Not applicable

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- **Other information**
- **Appearance:**
- **Form:** Fluid
- **Important information on protection of health and environment, and on safety.**
- **Ignition temperature:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Solvent content:**
- **Water:** 96.4 %
- **VOC content:** 0.00 %
- **Solids content:** 0.0 g/l / 0.00 lb/gal
- **Change in condition:** 0.0 %
- **Evaporation rate:** Not determined

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

LD/LC50 values that are relevant for classification:
ATE (Acute Toxicity Estimate)

Oral	LD50	5,000 mg/kg
Dermal	LD50	5,000 mg/kg
Inhalative	LC50/4 h	1.42 mg/L

7697-37-2 nitric acid

Inhalative	LC50/4 h	67 mg/L (rat)
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7664-39-3 hydrogen fluoride

Oral	LD50	1,276 mg/kg (rat)
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- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

 Toxic
Irritant

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Very toxic

- **Interactive effects** No interactive effects between components are known.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

543-81-7	acetic acid beryllium salt	1
1313-27-5	molybdenum trioxide	2B
1327-53-3	diarsenic trioxide	1
7446-08-4	selenium dioxide	3
10022-68-1	Nitric acid, cadmium salt, tetrahydrate	1
10026-22-9	cobalt (II) nitrate hexahydrate	2B
10099-74-8	lead dinitrate	2A
13478-00-7	Nitric acid, nickel(2+) salt, hexahydrate	1

- **NTP (National Toxicology Program)**

543-81-7	acetic acid beryllium salt	K
1327-53-3	diarsenic trioxide	K
10022-68-1	Nitric acid, cadmium salt, tetrahydrate	K
10099-74-8	lead dinitrate	R
13478-00-7	Nitric acid, nickel(2+) salt, hexahydrate	K

- **OSHA-Ca (Occupational Safety & Health Administration)**

1327-53-3	diarsenic trioxide	
10022-68-1	Nitric acid, cadmium salt, tetrahydrate	

- **Alternative sources for toxicological information**

No non-standard sources for toxicological information where used.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable

- **vPvB:** Not applicable

- **Other adverse effects**

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

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13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
 Dispose of contents/container in accordance with local/regional/national/international regulations.
 Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· UN-Number · DOT, IMDG, IATA	UN3264
· UN proper shipping name · DOT · IMDG, IATA	Corrosive liquid, acidic, inorganic, n.o.s. (Nitric acid) CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID)
· Transport hazard class(es) · DOT	
· Class · Label	8 Corrosive substances 8
· IMDG, IATA	
· Class · Label	8 Corrosive substances 8
· Packing group · DOT, IMDG, IATA	III
· Environmental hazards:	Not applicable
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
· Transport/Additional information: · DOT · Quantity limitations	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L

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· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Special precautions for user	Warning: Corrosive substances
· Hazard identification number (Kemler code):	80
· EMS Number:	F-A,S-B
· Segregation groups	(SGG1) Acids
· Stowage Category	A
· Stowage Code	SW2 Clear of living quarters.
· Segregation Code	SG36 Stow "separated from" SGG18-alkalis. SG49 Stow "separated from" SGG6-cyanides
· UN "Model Regulation":	UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID), 8, III

15 Regulatory information

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

No further relevant information available.

· **Sara**

· **Section 355 (extremely hazardous substances):**

7697-37-2	nitric acid
7664-39-3	hydrogen fluoride
1327-53-3	diarsenic trioxide

· **Section 313 (Specific toxic chemical listings):**

7697-37-2	nitric acid
7664-39-3	hydrogen fluoride
13446-18-9	magnesium nitrate hexahydrate
7757-79-1	potassium nitrate
543-81-7	acetic acid beryllium salt
1313-27-5	molybdenum trioxide
1327-53-3	diarsenic trioxide
3251-23-8	copper dinitrate
7446-08-4	selenium dioxide
7782-61-8	iron (III) nitrate nonahydrate
7789-02-8	chromium (III) nitrate nonahydrate
7803-55-6	ammonium trioxovanadate
10022-31-8	barium nitrate
10022-68-1	Nitric acid, cadmium salt, tetrahydrate
10026-22-9	cobalt (II) nitrate hexahydrate
10042-76-9	strontium nitrate
10099-74-8	lead dinitrate

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10102-45-1	thallium nitrate
10196-18-6	zinc(II) nitrate hexahydrate
10377-66-9	manganese dinitrate
13478-00-7	Nitric acid, nickel(2+) salt, hexahydrate

· TSCA (Toxic Substances Control Act):

7732-18-5	water	ACTIVE
7697-37-2	nitric acid	ACTIVE
7664-39-3	hydrogen fluoride	ACTIVE
471-34-1	calcium carbonate	ACTIVE
7631-99-4	sodium nitrate	ACTIVE
7757-79-1	potassium nitrate	ACTIVE
1313-27-5	molybdenum trioxide	ACTIVE
1327-53-3	diarsenic trioxide	ACTIVE
3251-23-8	copper dinitrate	ACTIVE
7440-69-9	bismuth	ACTIVE
7446-08-4	selenium dioxide	ACTIVE
7803-55-6	ammonium trioxovanadate	ACTIVE
10022-31-8	barium nitrate	ACTIVE
10042-76-9	strontium nitrate	ACTIVE
10043-35-3	boric acid	ACTIVE
10099-74-8	lead dinitrate	ACTIVE
10102-45-1	thallium nitrate	ACTIVE
10377-66-9	manganese dinitrate	ACTIVE

· Hazardous Air Pollutants

7664-39-3	hydrogen fluoride
1327-53-3	diarsenic trioxide
7446-08-4	selenium dioxide
10022-68-1	Nitric acid, cadmium salt, tetrahydrate
10026-22-9	cobalt (II) nitrate hexahydrate
10099-74-8	lead dinitrate
10377-66-9	manganese dinitrate

· Clean Air Act Substances - Class I ODS

None of the ingredients is listed.

· Clean Air Act Substances - Class II ODS

None of the ingredients is listed.

· Proposition 65
· Chemicals known to cause cancer:

543-81-7	acetic acid beryllium salt
1313-27-5	molybdenum trioxide
1327-53-3	diarsenic trioxide
10022-68-1	Nitric acid, cadmium salt, tetrahydrate

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10099-74-8	lead dinitrate
13478-00-7	Nitric acid, nickel(2+) salt, hexahydrate
· Chemicals known to cause reproductive toxicity for females:	
None of the ingredients is listed.	
· Chemicals known to cause reproductive toxicity for males:	
13478-00-7	Nitric acid, nickel(2+) salt, hexahydrate
· Chemicals known to cause developmental toxicity:	
1327-53-3	diarsenic trioxide
13478-00-7	Nitric acid, nickel(2+) salt, hexahydrate

· Carcinogenic categories

· EPA (Environmental Protection Agency)		
1327-53-3	diarsenic trioxide	A
7446-08-4	selenium dioxide	D
10022-31-8	barium nitrate	D, CBD(inh), NL(oral)
10043-35-3	boric acid	I (oral)
10099-74-8	lead dinitrate	B2
10102-45-1	thallium nitrate	II
10377-66-9	manganese dinitrate	D

· TLV (Threshold Limit Value)

1327-53-3	diarsenic trioxide	A1
10022-31-8	barium nitrate	A4
10043-35-3	boric acid	A4
10099-74-8	lead dinitrate	A3

· NIOSH-Ca (National Institute for Occupational Safety and Health)

543-81-7	acetic acid beryllium salt
1327-53-3	diarsenic trioxide
10022-68-1	Nitric acid, cadmium salt, tetrahydrate
13478-00-7	Nitric acid, nickel(2+) salt, hexahydrate

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.

· Department issuing SDS: Document Control / Regulatory**· Contact:** pdl-acg-regulatory-cq@agilent.com**· Date of previous version:** 03/28/2025**· Version number of previous version:** 6**· Date of preparation:** 06/07/2026**· Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

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Safety Data Sheet
acc. to OSHA HCS

Revision date: 06/05/2026

Product Name: ICP Calibration Standard (125 mL)

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IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Corrosive to metals 1: Corrosive to metals – Category 1
Acute toxicity - inhalation 2: Acute toxicity – Category 2
Skin irritation 2: Skin corrosion/irritation – Category 2
Eye damage 1: Serious eye damage/eye irritation – Category 1

· * **Data compared to the previous version altered.**

US