

*

acc. to OSHA HCS

Printing date 08/24/2018

1 Identification

Review date 08/24/2018

· Article numbe	USP Inhalation Metal Impurities A – 125mL
	er N8145323
• Application of	f the substance / the mixture Laboratory chemicals
· Details of the	supplier of the safety data sheet
· Manufacturer	
5 1. 51	
PerkinElmer,	
710 Bridgepon	
	ecticut 06484 USA
203-925-4600	eUS@perkinelmer.com
	lephone number:
	(within US) 800-424-9300
	(from outside US) +1 703-527-3887 (call collect)
	(within AU) + (61) - 290372994
Hazard(s) i	dentification
· Classification	of the substance or mixture
PT	
Cor	rosion
\sim	
Skin Corr. 1B	H314 Causes severe skin burns and eye damage.
Eve Dam. 1	H318 Causes serious eye damage.
· Label element	
	ments The product is classified and labeled according to the Globally Harmonized System (GHS).
· Hazard pictog	
Cincer al average I	grams GHS05
• Signal word L	
-	
• Hazard-detern Nitric Acid	Danger mining components of labeling:
• Hazard-deteri Nitric Acid • Hazard staten	Danger mining components of labeling: nents
• Hazard-detern Nitric Acid • Hazard staten H314 Causes	Danger mining components of labeling: nents severe skin burns and eye damage.
Hazard-detern Nitric Acid Hazard staten H314 Causes Precautionary	Danger mining components of labeling: nents severe skin burns and eye damage. y statements
• Hazard-detern Nitric Acid • Hazard staten H314 Causes • Precautionary P260	Danger mining components of labeling: nents severe skin burns and eye damage. statements Do not breathe dusts or mists.
• Hazard-detern Nitric Acid • Hazard staten H314 Causes • Precautionary P260 P264	Danger mining components of labeling: nents severe skin burns and eye damage. y statements Do not breathe dusts or mists. Wash thoroughly after handling.
• Hazard-detern Nitric Acid • Hazard staten H314 Causes • Precautionary P260 P264 P280	Danger mining components of labeling: ments severe skin burns and eye damage. y statements Do not breathe dusts or mists. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Hazard-detern Nitric Acid Hazard staten H314 Causes Precautionary P260 P264 P280 P301+P330+.	Danger mining components of labeling: ments severe skin burns and eye damage. y statements Do not breathe dusts or mists. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
Hazard-detern Nitric Acid Hazard staten H314 Causes Precautionary P260 P264 P280 P301+P330+.	Danger mining components of labeling: ments severe skin burns and eye damage. y statements Do not breathe dusts or mists. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. P331 If swallowed: Rinse mouth. Do NOT induce vomiting. P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with wate.
 Hazard-detern Nitric Acid Hazard staten H314 Causes Precautionary P260 P264 P280 P301+P330+, P303+P361+, 	Danger mining components of labeling: ments severe skin burns and eye damage. y statements Do not breathe dusts or mists. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. P331 If swallowed: Rinse mouth. Do NOT induce vomiting. P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water shower.
 Hazard-detern Nitric Acid Hazard staten H314 Causes Precautionary P260 P264 P280 P301+P330+. P303+P361+. P304+P340 	Danger mining components of labeling: ments severe skin burns and eye damage. y statements Do not breathe dusts or mists. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. P331 If swallowed: Rinse mouth. Do NOT induce vomiting. P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with wate shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 Hazard-detern Nitric Acid Hazard staten H314 Causes Precautionary P260 P264 P280 P301+P330+. P303+P361+. P304+P340 	 Danger mining components of labeling: nents severe skin burns and eye damage. y statements Do not breathe dusts or mists. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. P331 If swallowed: Rinse mouth. Do NOT induce vomiting. P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with wate shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if preser
 Hazard-detern Nitric Acid Hazard staten H314 Causes Precautionary P260 P264 P280 P301+P330+. P303+P361+. P304+P340 P305+P351+. 	 Danger mining components of labeling: ments severe skin burns and eye damage. w statements Do not breathe dusts or mists. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. P331 If swallowed: Rinse mouth. Do NOT induce vomiting. P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with wate shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if preser and easy to do. Continue rinsing.
 Hazard-detern Nitric Acid Hazard staten H314 Causes Precautionary P260 P264 P280 P301+P330+ P303+P361+ P304+P340 P305+P351+ P310 	 Danger mining components of labeling: ments severe skin burns and eye damage. w statements Do not breathe dusts or mists. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. P331 If swallowed: Rinse mouth. Do NOT induce vomiting. P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if preser and easy to do. Continue rinsing. Immediately call a poison center/doctor.
 Hazard-detern Nitric Acid Hazard staten H314 Causes Precautionary P260 P264 P280 P301+P330+. P303+P361+. P304+P340 P305+P351+. P310 P321 	 Danger mining components of labeling: ments severe skin burns and eye damage. w statements Do not breathe dusts or mists. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. P331 If swallowed: Rinse mouth. Do NOT induce vomiting. P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if preser and easy to do. Continue rinsing. Immediately call a poison center/doctor. Specific treatment (see on this label).
 Hazard-detern Nitric Acid Hazard staten H314 Causes Precautionary P260 P264 P280 P301+P330+. P303+P361+. P304+P340 P305+P351+. P310 P321 P363 	 Danger mining components of labeling: ments severe skin burns and eye damage. y statements Do not breathe dusts or mists. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. P331 If swallowed: Rinse mouth. Do NOT induce vomiting. P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if preser and easy to do. Continue rinsing. Immediately call a poison center/doctor. Specific treatment (see on this label). Wash contaminated clothing before reuse.
 Hazard-detern Nitric Acid Hazard staten H314 Causes Precautionary P260 P264 P280 P301+P330+. P303+P361+. P304+P340 P305+P351+. P310 P321 	 Danger mining components of labeling: nents severe skin burns and eye damage. y statements Do not breathe dusts or mists. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. P331 If swallowed: Rinse mouth. Do NOT induce vomiting. P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if preser and easy to do. Continue rinsing. Immediately call a poison center/doctor. Specific treatment (see on this label). Wash contaminated clothing before reuse. Store locked up.
 Hazard-detern Nitric Acid Hazard staten H314 Causes Precautionary P260 P264 P280 P301+P330+. P303+P361+. P304+P340 P305+P351+. P310 P321 P363 	Danger mining components of labeling: nents severe skin burns and eye damage. y statements Do not breathe dusts or mists. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. P331 If swallowed: Rinse mouth. Do NOT induce vomiting. P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if preser and easy to do. Continue rinsing. Immediately call a poison center/doctor. Specific treatment (see on this label). Wash contaminated clothing before reuse. Store locked up. (Contd. on page 2)
 Hazard-detern Nitric Acid Hazard staten H314 Causes Precautionary P260 P264 P280 P301+P330+. P303+P361+. P304+P340 P305+P351+. P310 P321 P363 	Danger mining components of labeling: nents severe skin burns and eye damage. y statements Do not breathe dusts or mists. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. P331 If swallowed: Rinse mouth. Do NOT induce vomiting. P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if preser and easy to do. Continue rinsing. Immediately call a poison center/doctor. Specific treatment (see on this label). Wash contaminated clothing before reuse. Store locked up. (Contd. on page 2)
 Hazard-detern Nitric Acid Hazard staten H314 Causes Precautionary P260 P264 P280 P301+P330+. P303+P361+. P304+P340 P305+P351+. P310 P321 P363 	 Danger mining components of labeling: ments severe skin burns and eye damage. y statements Do not breathe dusts or mists. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. P331 If swallowed: Rinse mouth. Do NOT induce vomiting. P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if preser and easy to do. Continue rinsing. Immediately call a poison center/doctor. Specific treatment (see on this label). Wash contaminated clothing before reuse.



Printing date 08/24/2018

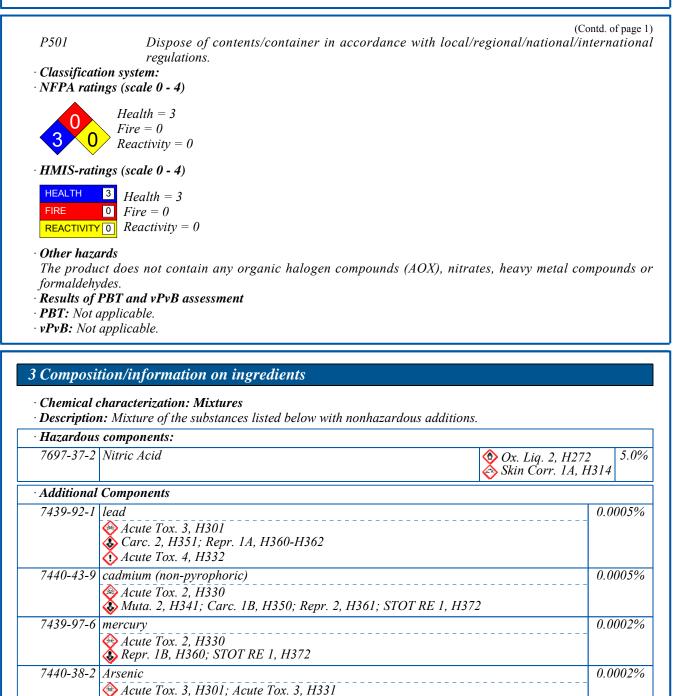
Review date 08/24/2018

Trade name: USP Inhalation Metal Impurities A – 125mL

🚯 Carc. 1A, H350

Water

7732-18-5



(Contd. on page 3)

94.9986%



Printing date 08/24/2018

Review date 08/24/2018

Trade name: USP Inhalation Metal Impurities A – 125mL

(Contd. of page 2)

4 First-aid measures

- · Description of first aid measures
- General information: Immediately remove any clothing soiled by the product.
- After inhalation: 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: Drink copious amounts of water and provide fresh air. Immediately call a 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 No further relevant information available.
- Advice for firefighters
- · Protective equipment: No special measures required.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

• Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system.

• 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 item 13.

Ensure adequate ventilation.

- 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.

• Protective Action Criteria for Chemicals

• PAC-1:	
7697-37-2 Nitric Acid	0.16 ppm
7439-92-1 lead	0.15 mg/m ³
7440-43-9 cadmium (non-pyrophoric)	0.10 mg/m ³
7439-97-6 mercury	0.15 mg/m ³
7440-38-2 Arsenic	1.5 mg/m ³
• PAC-2:	
7697-37-2 Nitric Acid	24 ppm
7439-92-1 lead	120 mg/m ³
7440-43-9 cadmium (non-pyrophoric)	0.76 mg/m ³
	(Contd. on page 4)



Printing date 08/24/2018

Review date 08/24/2018

Trade name: USP Inhalation Metal Impurities A – 125mL

		(Contd. of page 3)
7439-97-6	-	$1.7 mg/m^3$
7440-38-2	Arsenic	17 mg/m ³
· PAC-3:		
7697-37-2	Nitric Acid	92 ppm
7439-92-1	lead	700 mg/m ³
7440-43-9	cadmium (non-pyrophoric)	4.7 mg/m ³
7439-97-6	mercury	8.9 mg/m ³
7440-38-2	Arsenic	100 mg/m ³

7 Handling and storage

· Handling:

- Precautions for safe handling No special precautions are necessary if used correctly.
- Information about protection against explosions and fires: No special measures required.
- · 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.
- Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see item 7.

· Control parameters

· Components with limit values that require monitoring at the workplace:

7697-37-2 Nitric Acid

- PEL Long-term value: 5 mg/m³, 2 ppm
- REL Short-term value: 10 mg/m³, 4 ppm

Long-term value: 5 mg/m³, 2 ppm

TLV Short-term value: 10 mg/m³, 4 ppm Long-term value: 5.2 mg/m³, 2 ppm

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

· Exposure controls

· 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.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· Breathing equipment: Not required.

(Contd. on page 5)

USA



Printing date 08/24/2018

Review date 08/24/2018

Trade name: USP Inhalation Metal Impurities A – 125mL

Protection of hands:
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

• Eye protection:



Tightly sealed goggles or safety glasses

9 Physical and chemical properties

· General Information		
· Appearance: Form:	Limid	
Form: Color:	Liquid	
· Odor:	Clear Characteristic	
• Odor: • Odor threshold:	Not determined.	
· Ouor inresnoia:	Noi delermined.	
· pH-value:	Not determined.	
· Change in condition		
Melting point/Melting range:	Undetermined.	
Boiling point/Boiling range:	100 °C (212 °F)	
· Flash point:	Not applicable.	
· Flammability (solid, gaseous):	Not applicable.	
· Decomposition temperature:	Not determined.	
· Auto igniting:	Product is not selfigniting.	
· Danger of explosion:	Product does not present an explosion hazard.	
· Explosion limits:		
Lower:	Not determined.	
Upper:	Not determined.	
· Vapor pressure at 20 °C (68 °F):	23 hPa (17.3 mm Hg)	
· vapor pressure at 20 °C (68 °F):		Contd. on



Printing date 08/24/2018

Review date 08/24/2018

Trade name: USP Inhalation Metal Impurities A – 125mL

		(Contd. of page 5
Density:	Not determined.	
Relative density	Not determined.	
Vapor density	Not determined.	
Evaporation rate	Not determined.	
Solubility in / Miscibility with		
Water:	Not miscible or difficult to mix.	
Partition coefficient (n-octanol/wa	uter): Not determined.	
Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
Solvent content:		
Water:	95.0 %	
VOC content:	0.00 %	
Other information	No further relevant information available.	

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:
- Primary irritant effect:
- on the skin: Caustic effect on skin and mucous membranes.
- on the eye:
- Strong caustic effect.
- 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: Corrosive

Irritant

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

(Contd. on page 7)



Printing date 08/24/2018

Review date 08/24/2018

Trade name: USP Inhalation Metal Impurities A – 125mL

(Contd. of page 6)

2B

1

3

1

R K

K

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

7439-92-1lead7440-43-9cadmium (non-pyrophoric)7439-97-6mercury7440-38-2Arsenic• NTP (National Toxicology Program)7439-92-1lead7440-43-9cadmium (non-pyrophoric)7440-38-2Arsenic• OSHA-Ca (Occupational Safety & Health Administration)

7440-43-9 cadmium (non-pyrophoric)

7440-38-2 Arsenic

12 Ecological information

· Toxicity

- Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- *Mobility in soil* No further relevant information available.
- Additional ecological information:

· General notes:

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.

- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- Other adverse effects No further relevant information available.

13 Disposal considerations

· Waste treatment methods

· Recommendation:

Dispose of container and materials in accordance with local, regional and national regulations.

· Uncleaned packagings:

• *Recommendation: Disposal must be made according to official regulations.*

(Contd. on page 8)



*

acc. to OSHA HCS

Printing date 08/24/2018

Review date 08/24/2018

Trade name: USP Inhalation Metal Impurities A – 125mL

(Contd. of page 7)

Transport information	
UN-Number DOT, ADR, IMDG, IATA	UN3264
UN proper shipping name	
DOT	Corrosive liquid, acidic, inorganic, n.o.s. (Nitric Acid)
ADR	3264 Corrosive liquid, acidic, inorganic, n.o.s. (Nitric Acid)
IMDG	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Nitric Aci
IATA	MARINE POLLUTANT CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Nitric Acia
Transport hazard class(es)	
-	
DOT	
Class	8 Corrosive substances
Label	8
ADR	
Class	8 (C1) Corrosive substances
Label	8
IMDG	
Class	8 Corrosive substances
Label	8
IATA	
Class	8 Corrosive substances
Label	8
Packing group	
DOT, ÅĎR, ÍMDG, IATA	III



USA

acc. to OSHA HCS

Printing date 08/24/2018

Review date 08/24/2018

Trade name: USP Inhalation Metal Impurities A – 125mL

	(Contd. of page
Environmental hazards:	
Marine pollutant:	No
-	Symbol (fish and tree)
Special precautions for user	Warning: Corrosive substances
Danger code (Kemler):	80
EMS Number:	F-A,S-B
Segregation groups	Acids
Stowage Category	A
Stowage Code	SW2 Clear of living quarters.
Fransport in bulk according to Annex L	I of
MARPOL73/78 and the IBC Code	Not applicable.
Fransport/Additional information:	
DOT	
Quantity limitations	On passenger aircraft/rail: 5 L
	On cargo aircraft only: 60 L
Remarks:	Special marking with the symbol (fish and tree).
ADR	
Excepted quantities (EQ)	Code: El
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (\widetilde{EQ})	Code: El
· · · · · ·	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation":	UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.
UN ''Model Regulation'':	UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N (NITRIC ACID), 8, III

15 Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture 7732-18-5 Water 94.9986% 7697-37-2 Nitric Acid 5.0% ØOX. Liq. 2, H272 Skin Corr. 1A, H314 5.0% 7440-43-9 cadmium (non-pyrophoric) 0.0005% ØAcute Tox. 2, H330 0.0005% 0.0005% Sara Section 355 (extremely hazardous substances): 7697-37-2 7697-37-2 Nitric Acid (Contd. on page 10)



Printing date 08/24/2018

Review date 08/24/2018

Trade name: USP Inhalation Metal Impurities A – 125mL

		(Contd. of page
	3 (Specific toxic chemical listings):	
	Nitric Acid	
7439-92-1		
7440-43-9	cadmium (non-pyrophoric)	
7439-97-6	•	
7440-38-2	Arsenic	
TSCA (To	xic Substances Control Act):	
7697-37-2	Nitric Acid	
7439-92-1	lead	
7440-43-9	cadmium (non-pyrophoric)	
7439-97-6	mercury	
7440-38-2	Arsenic	
7732-18-5	Water	
Propositio	n 65	
Chemical	known to cause cancer:	
7439-92-1		
7440-43-9	cadmium (non-pyrophoric)	
7440-38-2	Arsenic	
Chemical	s known to cause reproductive toxicity for females:	
7439-92-1	lead	
Chemical	known to cause reproductive toxicity for males:	
7439-92-1		
7440-43-9	cadmium (non-pyrophoric)	
Chemical	known to cause developmental toxicity:	
7439-92-1		
7440-43-9	cadmium (non-pyrophoric)	
7439-97-6		
Canaaraa	enity categories	
-	ironmental Protection Agency)	
7439-92-1		B
	cadmium (non-pyrophoric)	
7439-97-6		
7440-38-2		
	eshold Limit Value established by ACGIH)	
7439-92-1	· · · · ·	A
	cadmium (non-pyrophoric)	
7439-97-6		
7440-38-2	-	
, 110 50-2		(Contd. on page



Printing date 08/24/2018

Review date 08/24/2018

Trade name: USP Inhalation Metal Impurities A – 125mL

(Contd. of page 10)

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

7440-43-9 cadmium (non-pyrophoric)

7440-38-2 Arsenic

· National regulations:

· Information about limitation of use:

Workers are not allowed to be exposed to this hazardous material. Exceptions can be made by the authorities in certain cases.

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

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

16 Other information

Disclaimer

The information provided in this Material Safety Data Sheet is based on our present knowledge, and believed to be correct at the date of publication. However, no representation is made concerning its accuracy and completeness. It is intended as guidance only, and is not to be considered a warranty or quality specification. All materials may present unknown hazards, and should be used with caution. Although certain hazards are described, we cannot guarantee that these are the only hazards which exist. PerkinElmer shall not be held liable for any damage resulting from handling or from contact with the product.

· Department issuing SDS: Environmental, Health and Safety

· Contact:

Within the USA: 1-(800)-762-4000 Outside the USA: 1-(203)-712-8488

· Abbreviations and acronvms: ADR: Accord européen sur le transport 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 IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists 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) 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 Ox. Liq. 2: Oxidizing liquids – Category 2 Skin Corr. 1A: Skin corrosion/irritation - Category 1A Skin Corr. 1B: Skin corrosion/irritation - Category 1B Eye Dam. 1: Serious eye damage/eye irritation - Category 1 * * Data compared to the previous version altered.