Printing date 09/06/2023 Reviewed on 09/06/2023

## 1 Identification

- · Product identifier
- · Product Name: Interference Check Standard, 18
- · Part Name:

INTER18-100

INTER18-100N

INTER18-500

INTER18-500N

- · Application of the substance / the mixture For Laboratory Use Only
- · Uses advised against Not for Human or Animal Use
- · Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

Spex CertiPrep, LLC.

203 Norcross Ave, Metuchen,

NJ 08840 USA

732-549-7144

USMet-CRMSales@antylia.com

- · Information department: product safety department
- · Emergency telephone number:

Emergency Phone Number (24 hours)

CHEMTREC (800-424-9300)

Outside US: 703-527-3887

# 2 Hazard(s) identification

· Classification of the substance or mixture



GHS08 Health hazard

Carcinogenicity 1A H350 May cause cancer.

Toxic to Reproduction 1A H360 May damage fertility or the unborn child.



Skin Corrosion 1A H314 Causes severe skin burns and eye damage.

Eye Damage 1 H318 Causes serious eye damage.

- · Label elements
- GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
- · Hazard pictograms





GHS05

GHS08

· Signal word Danger

· Hazard-determining components of labeling:

nitric acid

arsenic

lead

## · Hazard statements

H314 Causes severe skin burns and eye damage.

H350 May cause cancer.

H360 May damage fertility or the unborn child.

#### · Precautionary statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dusts or mists. P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

(Contd. on page 2)



Printing date 09/06/2023 Reviewed on 09/06/2023

#### Product Name: Interference Check Standard, 18

(Contd. of page 1)

P310 Immediately call a poison center/doctor.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P321 Specific treatment (see on this label). P363 Wash contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- · Classification system:
- · NFPA ratings (scale 0 4)



Health = 3 Fire = 0Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = \*3 Fire = 0Reactivity = 0

- · Other hazards
- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.

# 3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- $\cdot \textit{Description: Mixture of the substances listed below with nonhazardous additions.}$

· Dangerous components:	
7697-37-2 nitric acid	5.0%
7440-09-7 potassium	2.0%
7439-92-1 lead	0.1%
7440-28-0 thallium	0.1%
7440-38-2 arsenic	0.1%
Chemical identification of the substance/preparation	·
7732-18-5 water, distilled, conductivity or of similar purity	92.35%
7782-49-2 selenium	0.05%
7440-02-0 nickel	0.03%
7440-22-4 silver	0.03%
7440-39-3 barium	0.03%
7440-43-9 cadmium	0.03%
7440-47-3 chromium	0.03%
7440-48-4 cobalt	0.03%
7440-50-8 copper	0.03%
7440-62-2 vanadium	0.03%
7440-66-6 zinc	0.03%
7439-96-5 manganese	0.02%
7440-41-7 beryllium	0.01%

# 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.

Do not give anything to eat or drink - Do not induce vomitting

- · Information for Doctor:
- · Most important symptoms and effects, both acute and delayed No further relevant information available.
- $\cdot \textbf{Indication of any immediate medical attention and special treatment needed} \ \textit{No further relevant information available}.$

(Contd. on page 3)

Printing date 09/06/2023 Reviewed on 09/06/2023

Product Name: Interference Check Standard, 18

(Contd. of page 2)

# 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:

Dilute with plenty of water.

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.

· Reference to other sections

· PAC-1:

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

7697-37-2	nitric acid	0.16 ppm
7440-09-7	potassium	2.3 mg/m <sup>3</sup>
7439-92-1	lead	0.15 mg/m <sup>3</sup>
7440-28-0	thallium	$0.06 \ mg/m^3$
7440-38-2	arsenic	1.5 mg/m <sup>3</sup>
7782-49-2	selenium	0.6 mg/m <sup>3</sup>
7440-02-0	nickel	4.5 mg/m <sup>3</sup>
7440-22-4	silver	0.3 mg/m <sup>3</sup>
7440-39-3		1.5 mg/m <sup>3</sup>
7440-43-9	cadmium	0.10 mg/m <sup>3</sup>
7440-47-3	chromium	1.5 mg/m <sup>3</sup>
7440-48-4	cobalt	0.18 mg/m³
7440-50-8	copper	3 mg/m <sup>3</sup>
7440-62-2	vanadium	3 mg/m <sup>3</sup>
7440-66-6		6 mg/m <sup>3</sup>
7439-96-5	manganese	3 mg/m <sup>3</sup>
7440-41-7	beryllium	0.0023 mg/m <sup>3</sup>
· PAC-2:		
7697-37-2	nitric acid	24 ppm
7440-09-7	potassium	25 mg/m³
7439-92-1	lead	120 mg/m³
7440-28-0		3.3 mg/m <sup>3</sup>
7440-38-2	arsenic	17 mg/m³
7782-49-2	selenium	6.6 mg/m <sup>3</sup>
7440-02-0	nickel	50 mg/m <sup>3</sup>
7440-22-4	silver	170 mg/m³
7440-39-3	barium	180 mg/m³
7440-43-9	cadmium	0.76 mg/m³
7440-47-3	chromium	17 mg/m³
7440-48-4	cobalt	2 mg/m <sup>3</sup>
7440-50-8	copper	33 mg/m³
7440-62-2		5.8 mg/m³
7440-66-6	zinc	21 mg/m³
	((	ontd. on page 4

(Contd. on page 4

Printing date 09/06/2023 Reviewed on 09/06/2023

#### Product Name: Interference Check Standard, 18

	(Contd. of page 3)
7439-96-5 manganese	5 mg/m <sup>3</sup>
7440-41-7 beryllium	$0.025 \text{ mg/m}^3$
· PAC-3:	
7697-37-2 nitric acid	92 ppm
7440-09-7 potassium	150 mg/m³
7439-92-1 lead	700 mg/m³
7440-28-0 thallium	20 mg/m³
7440-38-2 arsenic	100 mg/m³
7782-49-2 selenium	40 mg/m³
7440-02-0 nickel	99 mg/m³
7440-22-4 silver	990 mg/m³
7440-39-3 barium	$1,100 \text{ mg/m}^3$
7440-43-9 cadmium	4.7 mg/m <sup>3</sup>
7440-47-3 chromium	99 mg/m³
7440-48-4 cobalt	20 mg/m³
7440-50-8 copper	200 mg/m³
7440-62-2 vanadium	35 mg/m³
7440-66-6 zinc	120 mg/m³
7439-96-5 manganese	$1,800 \text{ mg/m}^3$
7440-41-7 beryllium	0.1 mg/m <sup>3</sup>

# 7 Handling and storage

- · Handling:
- · 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.
- · 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 section 7.
- · Control parameters
- $\cdot \textit{Components with limit values that require monitoring at the workplace:} \\$

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

7439.	7439-92-1 lead		
	Long-term value: 0.05* mg/m³ *see 29 CFR 1910.1025		
	Long-term value: 0.05* mg/m³ *8-hr TWA ;See PocketGuide App.C		
TLV	Long-term value: 0.05* mg/m³		
	*and inorganic compds., as Pb; BEI, A3		
7440-	-28-0 thallium		
	Long-term value: 0.1 mg/m <sup>3</sup>		
	as TI; Skin		
	Long-term value: 0.1 mg/m <sup>3</sup>		
	as TI; Skin		
	Long-term value: 0.02* mg/m³		
	as Tl; *inhalable fraction; Skin		
7440-38-2 arsenic			
	Long-term value: 0.5* 0.01** mg/m <sup>3</sup>		
	as As; *organic**inorg. compds.; 29 CFR 1910.1018		



Printing date 09/06/2023 Reviewed on 09/06/2023

#### Product Name: Interference Check Standard, 18

(Contd. of page 4) REL Ceiling limit value: 0.002 mg/m<sup>3</sup>

as As; 15min; See Pocket Guide App. A

Long-term value: 0.01 mg/m3 as As; BEI, A1

## · Ingredients with biological limit values:

# 7439-92-1 lead

BEI 200 μg/L

Medium: blood Time: not critical Parameter: Lead

#### 7440-38-2 arsenic

BEI 35 µg As/L

Medium: urine

Time: end of workweek

Parameter: Inorganic arsenic plus methylated metabolites (background)

- · 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.

Store protective clothing separately.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

- Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection:



Tightly sealed goggles

# 9 Physical and chemical properties

- · Information on basic physical and chemical properties
- · General Information
- · Appearance:

Form: Liquid

Color: According to product specification

<2

· Odor: Characteristic Not applicable. · Odour Threshold:

· pH-value at 20 °C (68 °F):

· Change in condition

Melting point/Melting range: Undetermined. Boiling point/Boiling range: 83 °C (181.4 °F)

· Flash point: Not applicable.

· Flammability (solid, gaseous): Not applicable.

(Contd. on page 6)

Printing date 09/06/2023 Reviewed on 09/06/2023

#### Product Name: Interference Check Standard, 18

(Contd. of page 5)

Decomposition temperature:         Not applicable.           Ignition temperature:         Product is not selfigniting.           Danger of explosion:         Product does not present an explosion hazard.           Explosion limits:         Not applicable.           Upper:         Not applicable.           Vapor pressure at 20 °C (68 °F):         23 hPa (17.3 mm Hg)           Density at 20 °C (68 °F)         1.0698 g/cm³ (8.92748 lbs/gal)           Relative density         Not applicable.           Evapor density         Not applicable.           Evaporation rate         Not applicable.           Partition coefficient (n-octanol/water): Not applicable.           Partition coefficient (n-octanol/water): Not applicable.           Viscosity:         Not applicable.           Dynamic:         Not applicable.           Kinematic:         Not applicable.           Solvent content:         92.4 %           VOC content:         0.00 %           Solids content:         2.6 %		(Conta. or page 2
Danger of explosion:  Explosion limits: Lower: Upper: Not applicable. Upper: Not applicable.  Vapor pressure at 20 °C (68 °F): 23 hPa (17.3 mm Hg)  Density at 20 °C (68 °F): 1.0698 g/cm³ (8.92748 lbs/gal) Relative density Not applicable. Vapor density Not applicable. Evaporation rate Not applicable.  Solubility in / Miscibility with Water: Fully miscible.  Partition coefficient (n-octanol/water): Not applicable.  Viscosity: Dynamic: Kinematic: Not applicable.  Solvent content: Water: 92.4 % VOC content: 0.00 %  Solids content: 2.6 %	· Decomposition temperature:	Not applicable.
Explosion limits: Lower: Upper: Not applicable.  Vapor pressure at 20 °C (68 °F): 23 hPa (17.3 mm Hg)  Density at 20 °C (68 °F) 1.0698 g/cm³ (8.92748 lbs/gal) Relative density Not applicable. Vapor density Not applicable. Evaporation rate Not applicable.  Solubility in / Miscibility with Water: Fully miscible.  Partition coefficient (n-octanol/water): Not applicable.  Viscosity: Dynamic: Kinematic: Not applicable.  Solvent content: Water: 92.4 % VOC content: 0.00 %  Solids content: 2.6 %	· Ignition temperature:	Product is not selfigniting.
Lower: Upper: Not applicable. Not applicable. Not applicable.  Vapor pressure at 20 °C (68 °F): 23 hPa (17.3 mm Hg)  Density at 20 °C (68 °F): 1.0698 g/cm³ (8.92748 lbs/gal) Relative density Not applicable. Vapor density Not applicable. Evaporation rate Not applicable.  Solubility in / Miscibility with Water: Fully miscible.  Partition coefficient (n-octanol/water): Not applicable.  Viscosity: Dynamic: Not applicable. Kinematic: Not applicable.  Solvent content: Water: 92.4 % VOC content: 0.00 %  Solids content: 2.6 %	· Danger of explosion:	Product does not present an explosion hazard.
Upper:       Not applicable.         • Vapor pressure at 20 °C (68 °F):       23 hPa (17.3 mm Hg)         • Density at 20 °C (68 °F)       1.0698 g/cm³ (8.92748 lbs/gal)         • Relative density       Not applicable.         • Vapor density       Not applicable.         • Evaporation rate       Not applicable.         • Solubility in / Miscibility with Water:       Fully miscible.         • Partition coefficient (n-octanol/water): Not applicable.         • Viscosity:       Not applicable.         • Not applicable.       Not applicable.         • Kinematic:       Not applicable.         • Solvent content:       92.4 %         • VOC content:       0.00 %         • Solids content:       2.6 %	· Explosion limits:	
· Vapor pressure at 20 °C (68 °F): 23 hPa (17.3 mm Hg)  · Density at 20 °C (68 °F) 1.0698 g/cm³ (8.92748 lbs/gal) Relative density Not applicable. · Vapor density Not applicable. · Evaporation rate Not applicable.  · Solubility in / Miscibility with Water: Fully miscible.  · Partition coefficient (n-octanol/water): Not applicable.  · Viscosity: Dynamic: Not applicable. Kinematic: Not applicable.  · Solvent content: Water: 92.4 % VOC content: 0.00 %  Solids content: 2.6 %	Lower:	Not applicable.
Density at 20 °C (68 °F) Relative density Not applicable. Vapor density Not applicable.  Evaporation rate Not applicable.  Solubility in / Miscibility with Water: Fully miscible.  Partition coefficient (n-octanol/water): Not applicable.  Viscosity: Dynamic: Kinematic: Not applicable.  Solvent content: Water: Yes 92.4 % VOC content: 0.00 %  Solids content: 2.6 %	Upper:	Not applicable.
Relative density Vapor density Not applicable. Evaporation rate Not applicable.  Solubility in / Miscibility with Water: Fully miscible.  Partition coefficient (n-octanol/water): Not applicable.  Viscosity: Dynamic: Kinematic: Not applicable.  Solvent content: Water: Yester: YOC content: O.00 %  Solids content: 2.6 %	· Vapor pressure at 20 °C (68 °F):	23 hPa (17.3 mm Hg)
Vapor density Evaporation rate Not applicable.  Solubility in / Miscibility with Water: Fully miscible.  Partition coefficient (n-octanol/water): Not applicable.  Viscosity: Dynamic: Kinematic: Not applicable.  Solvent content: Water: Water: 92.4 % VOC content: 0.00 %  Solids content: 2.6 %	· Density at 20 °C (68 °F)	1.0698 g/cm³ (8.92748 lbs/gal)
Evaporation rate  Not applicable.  Solubility in / Miscibility with Water: Fully miscible.  Partition coefficient (n-octanol/water): Not applicable.  Viscosity: Dynamic: Not applicable. Kinematic: Not applicable.  Solvent content: Water: Water: 92.4 % VOC content: 0.00 %  Solids content: 2.6 %	Relative density	Not applicable.
Solubility in / Miscibility with Water: Fully miscible.  Partition coefficient (n-octanol/water): Not applicable.  Viscosity: Dynamic: Kinematic: Not applicable.  Solvent content: Water: YOC content: 0.00 %  Solids content: 2.6 %	· Vapor density	Not applicable.
Water: Fully miscible.  Partition coefficient (n-octanol/water): Not applicable.  Viscosity: Dynamic: Not applicable. Kinematic: Not applicable.  Solvent content: Water: 92.4 % VOC content: 0.00 %  Solids content: 2.6 %	· Evaporation rate	Not applicable.
Water: Fully miscible.  Partition coefficient (n-octanol/water): Not applicable.  Viscosity: Dynamic: Not applicable. Kinematic: Not applicable.  Solvent content: Water: 92.4 % VOC content: 0.00 %  Solids content: 2.6 %	· Solubility in / Miscibility with	
Viscosity:         Not applicable.           Dynamic:         Not applicable.           Kinematic:         Not applicable.           Solvent content:         92.4 %           VOC content:         0.00 %           Solids content:         2.6 %		Fully miscible.
Dynamic: Not applicable. Kinematic: Not applicable.  Solvent content: Water: 92.4 % VOC content: 0.00 %  Solids content: 2.6 %	· Partition coefficient (n-octanol/water	r): Not applicable.
Kinematic:         Not applicable.           Solvent content:         92.4 %           Water:         92.4 %           VOC content:         0.00 %           Solids content:         2.6 %	· Viscosity:	
Solvent content:	Dynamic:	Not applicable.
Water:       92.4 %         VOC content:       0.00 %         Solids content:       2.6 %	Kinematic:	Not applicable.
VOC content:         0.00 %           Solids content:         2.6 %	· Solvent content:	
Solids content: 2.6 %	Water:	92.4 %
	VOC content:	0.00 %
	Solids content:	2.6 %
· Other information No further relevant information available.	· 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:
- · LD/LC50 values that are relevant for classification: 7697-37-2 nitric acid

Inhalative LC50/4 h 2.65 mg/l (ATE)

- 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

Product is suspected to cause damage to fertility.

Product is suspected to cause birth defects.

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

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)		
7439-92-1	lead	2B
7440-38-2	arsenic	1
7782-49-2	selenium	3
7440-02-0	nickel	2B
7440-43-9	cadmium	1

(Contd. on page 7)



Printing date 09/06/2023 Reviewed on 09/06/2023

#### Product Name: Interference Check Standard, 18

		(Contd. of page 6)
7440-47-3	chromium	3
7440-48-4	cobalt	28
7440-41-7	beryllium	1
· NTP (Natio	onal Toxicology Program)	
7439-92-1	lead	R
7440-38-2	arsenic	K
7440-02-0	nickel	R
7440-43-9	cadmium	K
7440-48-4	cobalt	R
7440-41-7	beryllium	K
· OSHA-Ca (Occupational Safety & Health Administration)		
7440-38-2	arsenic	
7440-43-9	cadmium	

# 12 Ecological information

- · 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:

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

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

Danger to drinking water if even small quantities leak into the ground.

Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

- · 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: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

# 14 Transport information

· UN-Number · DOT, ADR, IMDG, IATA	UN3264
· UN proper shipping name · DOT · ADR · IMDG, IATA	Corrosive liquid, acidic, inorganic, n.o.s. (Nitric acid) 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID) CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID)
· Transport hazard class(es)	

- $\cdot$  DOT



· Class 8 Corrosive substances



III

8 Corrosive substances

Printing date 09/06/2023 Reviewed on 09/06/2023

Product Name: Interference Check Standard, 18

(Contd. of page 7)

· Label 8

· ADR, IMDG, IATA

· Class

· Packing group

· Label

· DOT, ADR, IMDG, IATA

Environmental hazards: Not applicable.

· Special precautions for user
· 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

· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

 $\cdot \textit{Transport/Additional information:}$ 

 $\cdot ADR$ 

· Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

· IMDG

· Limited quantities (LQ)
 · Excepted quantities (EQ)
 5L
 Code: E1

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.S. (NITRIC ACID),

8, III

# 15 Regulatory information

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

· Sara

	· Section 313 (Specific toxic chemical listings):		
7697-37-2	nitric acid		
7439-92-1	lead		
7440-28-0	thallium		
7440-38-2	arsenic		
7782-49-2	selenium		
7440-02-0	nickel		
7440-22-4	silver		
7440-39-3	barium		
7440-43-9	cadmium		
7440-47-3	chromium		
7440-48-4			
7440-50-8	copper		
7440-62-2	vanadium		

7440-62-2 vanadium

7440-66-6 zinc 7439-96-5 manganese

7440-41-7 beryllium

· TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

· Hazardous Air Pollutants

7439-92-1 lead

Printing date 09/06/2023 Reviewed on 09/06/2023

Product Name: Interference Check Standard, 18

(Contd. of page 8) 7440-48-4 cobalt 7439-96-5 manganese

· Proposition	n 65		
· Chemicals	· Chemicals known to cause cancer:		
7439-92-1	lead		
7440-38-2	arsenic		
7440-02-0	nickel		
7440-43-9	cadmium		
7440-48-4			
7440-41-7	beryllium		
· Chemicals known to cause reproductive toxicity for females:			

None of the ingredients is listed.

# · Chemicals known to cause reproductive toxicity for males:

7440-43-9 cadmium

## · Chemicals known to cause developmental toxicity:

7440-43-9 cadmium

## · Carcinogenic categories

· EPA (Environmental Protection Agency)			
7439-92-1 lead		B2	
7440-38-2 arsenic		A	
7782-49-2 selenium		D	
7440-22-4 silver		D	
7440-39-3 barium		D, CBD(inh), NL(oral)	
7440-43-9 cadmium		B1	
7440-50-8 copper		D	
7440-66-6 zinc		D, I, II	
7439-96-5 manganese		D	
7440-41-7 beryllium		B1, K/L(inh), CBD(oral)	

· TLV (Thre	shold Limit Value)	
7439-92-1	lead	<i>A3</i>
7440-38-2	arsenic	A1
7440-02-0	nickel	A5
7440-39-3	barium	A4
7440-43-9	cadmium	A2
7440-48-4	cobalt	<i>A3</i>

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

7440-38-2 arsenic 7440-02-0 nickel 7440-43-9 cadmium

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

Hazard pictograms





GHS05 GHS08

· Signal word Danger

# · Hazard-determining components of labeling:

nitric acid

arsenic

lead

# · Hazard statements

H314 Causes severe skin burns and eye damage.

H350 May cause cancer.

H360 May damage fertility or the unborn child.

#### · Precautionary statements

P201 Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood. P202



Printing date 09/06/2023 Reviewed on 09/06/2023

#### Product Name: Interference Check Standard, 18

(Contd. of page 9)

P260 Do not breathe dusts or mists. P264 Wash thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection. P280

P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a poison center/doctor. P310

P308+P313 IF exposed or concerned: Get medical advice/attention.

Specific treatment (see on this label). P321 P363 Wash contaminated clothing before reuse.

Store locked up. P405

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

## · National regulations:

#### · Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

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

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

## · Department issuing SDS: product safety department

#### · Contact:

Spex CertiPrep, LLC.

1-732-549-7144

## · Date of preparation / last revision 09/06/2023

#### · 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

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

Skin Corrosion 1A: Skin corrosion/irritation - Category 1A

Eye Damage 1: Serious eye damage/eye irritation – Category 1 Carcinogenicity 1A: Carcinogenicity – Category 1A

Toxic to Reproduction 1A: Reproductive toxicity - Category 1A

us -