

6020 Interference Check Solution B for ICP/MS -11 components; Cr 20ug/ml; Co 20ug/ml; Cu 20ug/ml; Mn 20ug/ml; Ni 20ug/ml; V 20ug/ml; As 10ug/ml; Cd 10ug/ml; Se 10ug/ml; Zn 10ug/ml; Ag 5ug/ml in HNO3 5% Equivalent to Agilent Ref: 5188-6527

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 09/10/2016 Revision date: 09/10/2016 Version: 1.1

SECTION 1: Identification

Identification

Product form : Mixture

6020 Interference Check Solution B for ICP/MS - 11 components; Cr 20ug/ml; Co 20ug/ml; Cu Name

20ug/ml; Mn 20ug/ml; Ni 20ug/ml; V 20ug/ml; As 10ug/ml; Cd 10ug/ml; Se 10ug/ml; Zn

10ug/ml; Ag 5ug/ml in HNO3 5% Equivalent to Agilent Ref: 5188-6527

Product code EQ0007

Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Certified reference material for laboratory use

Details of the supplier of the safety data sheet

Spectracer UK Ltd.

Second Floor, 27 Gloucester Place, London, W1U 8HU, United Kingdom.

Tel: +44 (0) 207 193 9114 Fax:+44 (0) 203 432 4686 Email: contact@spectracer.co.uk Web: www.spectracer.com

Emergency telephone number

Emergency number : Tel: +44(0)1933445260 Option 1. Language: English only.

For Chemical Emergencies Only Llewellyn (Safety Advisors) Europe Ltd

SECTION 2: Hazard(s) identification

Classification of the substance or mixture

GHS-US classification

H290 Corrosive to metals

Category 1

Skin corrosion/irritation Category 1A

H314

Hazardous to the

H402

aquatic environment -

Acute Hazard Category

Full text of H statements: see section 16

Label elements 2.2.

GHS-US labeling

Hazard pictograms (GHS-US)



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H290 - May be corrosive to metals

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20ug/ml; Co 20ug/ml; Cu 20ug/ml; Mn 20ug/ml; Ni 20ug/ml; V 20ug/ml; As 10ug/ml; Cd 10ug/ml; Se 10ug/ml; Zn 10ug/ml; Ag

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H314 - Causes severe skin burns and eye damage

H402 - Harmful to aquatic life

Precautionary statements (GHS-US) : P234 - Keep only in original container

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P273 - Avoid release to the environment

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 P310 - Immediately call a poison center/doctor/... P363 - Wash contaminated clothing before reuse P390 - Absorb spillage to prevent material damage

P405 - Store locked up

P501 - Dispose of contents/container to ...

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

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Name	Product identifier	%	GHS-US classification
nitric acid	(CAS No) 7697-37-2	5 - 15	Ox. Liq. 3, H272 Met. Corr. 1, H290 Skin Corr. 1A, H314
chromium(III) nitrate	(CAS No) 13548-38-4	< 0.1	Skin Sens. 1, H317
manganese(II)nitrate	(CAS No) 10377-66-9	< 0.1	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
cobalt dinitrate	(CAS No) 10141-05-6	< 0.1	Resp. Sens. 1, H334 Skin Sens. 1, H317 Muta. 2, H341 Carc. 2, H351 Repr. 1B, H360 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
nickel nitrate	(CAS No) 13138-45-9	< 0.1	Ox. Sol. 2, H272 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1, H317 Muta. 2, H341 Carc. 1A, H350 Repr. 1B, H360 STOT RE 1, H372 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
cadmium nitrate	(CAS No) 10325-94-7	< 0.1	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Carc. 1A, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
arsenic acid	(CAS No) 7778-39-4	< 0.1	Acute Tox. 2 (Oral), H300 Carc. 1A, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
selenious acid	(CAS No) 7783-00-8	< 0.1	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Inhalation), H331 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
silver nitrate	(CAS No) 7761-88-8	< 0.1	Ox. Sol. 2, H272 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of hazard classes and H-statements : see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a

physician immediately.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact : Burns.

Symptoms/injuries after eye contact : Serious damage to eyes.

Symptoms/injuries after ingestion : Burns.

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Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

: Water spray. Dry powder. Foam. Carbon dioxide. Suitable extinguishing media

Special hazards arising from the substance or mixture

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

Advice for firefighters

: Do not attempt to take action without suitable protective equipment. Self-contained breathing Protection during firefighting

apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe

dust/fume/gas/mist/vapors/spray.

6.1.2. For emergency responders

Protective equipment Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

Environmental precautions

Avoid release to the environment.

Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

: Dispose of materials or solid residues at an authorized site. Other information

Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Precautions for safe handling Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe

dust/fume/gas/mist/vapors/spray. Wear personal protective equipment.

Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Hygiene measures

Always wash hands after handling the product.

Conditions for safe storage, including any incompatibilities

Store in corrosive resistant container with a resistant inner liner. Keep only in original container. Storage conditions

Store locked up. Store in a well-ventilated place. Keep cool.

Incompatible materials : Metals.

SECTION 8: Exposure controls/personal protection

Control parameters

nitric acid (7697-37-2)		
ACGIH	ACGIH TWA (ppm)	2 ppm
ACGIH	ACGIH STEL (ppm)	4 ppm
ACGIH	Remark (ACGIH)	URT & eye irr; dental erosion
OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	2 ppm

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	<u> </u>	-
chromium(III) nitrate	(13548-38-4)	
ACGIH	ACGIH TWA (mg/m³)	0.5 mg/m³ (Chromium,inorganic Cr III compounds; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
Not applicable		
cobalt dinitrate (1014	41-05-6)	
ACGIH	ACGIH TWA (mg/m³)	0.02 mg/m³ (Cobalt, inorganic compounds, as Co; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
Not applicable		
manganese(II)nitrate	(10377-66-9)	
ACGIH	ACGIH TWA (mg/m³)	0.02 mg/m³
ACGIH	Remark (ACGIH)	CNS impair; A4
nickel nitrate (13138	-45-9)	1
ACGIH	ACGIH TWA (mg/m³)	0.1 mg/m³ (Nickel, Soluble inorganic compounds (NOS), as Ni; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction)
Not applicable		
arsenic acid (7778-39	9-4)	
ACGIH	ACGIH TWA (mg/m³)	0.01 mg/m³ (Arsenic, inorganic compounds (exept Arsine), as As; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
Not applicable	,	
cadmium nitrate (103	325-94-7)	
ACGIH	ACGIH TWA (mg/m³)	0.01 mg/m³ (Cadmium, compounds, as Cd; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Cadmium, compounds, as Cd; 0.002 mg/m³; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fraction)
Not applicable		
selenious acid (7783	-00-8)	
ACGIH	ACGIH TWA (mg/m³)	0.2 mg/m³ (Selenium compounds, as Se; USA; Time- weighted average exposure limit 8 h; TLV - Adopted Value)
ACGIH	Remark (ACGIH)	78.96 Eye & URT irr
OSHA	OSHA PEL (TWA) (mg/m³)	0.2 mg/m³
silver nitrate (7761-8	8-8)	·
ACGIH	ACGIH TWA (mg/m³)	0.01 mg/m³ (Silver Soluble compounds, as Ag; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
Not applicable		

8.2. Exposure controls

Appropriate engineering controls

Personal protective equipment

- : Ensure good ventilation of the work station.
- : Avoid all unnecessary exposure. Gloves. Safety glasses. Protective clothing.







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Hand protection : Protective gloves. Eye protection : Safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Color : Mixture contains one or more component(s) which have the following colour(s):

colorless to yellow On exposure to light: red-brown Light green Light red Blue-green Colourless to light rose Green White to light yellow Colourless to white White Colourless or white On exposure to air: turns dark Colourless-white Colourless to grey On exposure to light: dark grey

to black

Odor : There may be no odour warning properties, odour is subjective and inadequate to warn of

overexposure

: No data available

Mixture contains one or more component(s) which have the following odour(s): irritating/pungent odor asphyxiating odor No data available on odour Odorless

Odor threshold No data available pН No data available Not applicable Melting point Freezing point No data available Boiling point No data available No data available Flash point Relative evaporation rate (butyl acetate=1) : No data available Flammability (solid, gas) : Not applicable. Vapor pressure No data available

Relative density : 1.07

Solubility Miscible with water Log Pow : No data available Auto-ignition temperature No data available Decomposition temperature No data available Viscosity, kinematic No data available No data available Viscosity, dynamic **Explosion limits** : No data available Explosive properties No data available Oxidizing properties : No data available

9.2. Other information

Relative vapor density at 20 °C

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

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metals.

IARC group

IARC group

arsenic acid (7778-39-4)

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
chromium(III) nitrate (13548-38-4)	
LD50 oral rat	3250 mg/kg (Rat)
ATE US (oral)	3250.000 mg/kg body weight
nickel nitrate (13138-45-9)	
ATE US (oral)	500.000 mg/kg body weight
ATE US (gases)	4500.000 ppmV/4h
ATE US (vapors)	11.000 mg/l/4h
ATE US (dust, mist)	1.500 mg/l/4h
arsenic acid (7778-39-4)	
LD50 oral rat	48 mg/kg (Rat)
ATE US (oral)	48.000 mg/kg body weight
cadmium nitrate (10325-94-7)	
LD50 oral rat	300 mg/kg (Rat)
ATE US (oral)	300.000 mg/kg body weight
ATE US (dermal)	1100.000 mg/kg body weight
ATE US (gases)	4500.000 ppmV/4h
ATE US (vapors)	11.000 mg/l/4h
ATE US (dust, mist)	1.500 mg/l/4h
selenious acid (7783-00-8)	
ATE US (oral)	100.000 mg/kg body weight
ATE US (gases)	700.000 ppmV/4h
ATE US (vapors)	3.000 mg/l/4h
ATE US (dust, mist)	0.500 mg/l/4h
silver nitrate (7761-88-8)	
LD50 oral rat	1173 mg/kg (Rat)
ATE US (oral)	1173.000 mg/kg body weight
Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
chromium(III) nitrate (13548-38-4)	
IARC group	3 - Not classifiable
cobalt dinitrate (10141-05-6)	

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2B - Possibly carcinogenic to humans

2B - Possibly carcinogenic to humans

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cadmium nitrate (10325-94-7)	
IARC group	1 - Carcinogenic to humans
selenious acid (7783-00-8)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated

exposure)

: Not classified

Aspiration hazard : Not classified

Symptoms/injuries after skin contact : Burns.

Symptoms/injuries after eye contact : Serious damage to eyes.

Symptoms/injuries after ingestion : Burns.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life.

nitric acid (7697-37-2)		
EC50 Daphnia 1	180 mg/l (EC50; 48 h)	
LC50 fish 2	72 ppm (LC50; 96 h)	
Threshold limit algae 1	> 19 mg/l (EC0)	

cobalt dinitrate (10141-05-6)	
LC50 fish 1	0.490 mg/l (LC50; 672 h)
EC50 Daphnia 2	0.021 mg/l (EC50; 48 h)
Threshold limit algae 1	0.018 mg/l (EC50; 96 h)

	3 (,)
nickel nitrate (13138-45-9)	
LC50 fish 1	17.1 mg/l (LC50; 672 h)
Threshold limit algae 1	0.18 mg/l (EC50; 72 h)

arsenic acid (7778-39-4)	
LC50 fish 1	25.6 mg/l (LC50; 96 h)
EC50 Daphnia 1	0.93 mg/l (EC50; 672 h)
Threshold limit algae 1	< 0.002 mg/l (EC0)

EC50 Daphnia 1	0.04 mg/l (EC50; 48 h)
LC50 fish 2	0.055 mg/l (LC50; 48 h)
selenious acid (7783-00-8)	
LC50 fish 1	0.62 - 0.97 mg/l (LC50; 96 h; Pimephales promelas)
EC50 Danhnia 2	0.430 mg/l (FC50: 48 h)

silver nitrate (7761-88-8)	
EC50 Daphnia 1	0.0006 mg/l (EC50; 48 h)
LC50 fish 2	0.006 mg/l (LC50: 96 h: Salmo gairdneri)

12.2. Persistence and degradability

cadmium nitrate (10325-94-7)

nitric acid (7697-37-2)		
Persistence and degradability	Biodegradability: Not applicable.	
00/44/0040	EN (Facilial 110)	0/4.4

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nitric acid (7697-37-2)	
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
shup minum/III) mitusta (42540-20-4)	
chromium(III) nitrate (13548-38-4) Persistence and degradability	Biodegradability: Not applicable. Adsorbs into the soil.
Biochemical oxygen demand (BOD)	
Chemical oxygen demand (COD)	Not applicable Not applicable
ThOD	Not applicable
	Not applicable
cobalt dinitrate (10141-05-6)	
Persistence and degradability	Biodegradability: Not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
manganese(II)nitrate (10377-66-9)	
Persistence and degradability	Biodegradability: Not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
nickel nitrate (13138-45-9)	
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
arsenic acid (7778-39-4)	
Persistence and degradability	Biodegradability: Not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
cadmium nitrate (10325-94-7)	
Persistence and degradability	Biodegradability: Not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
selenious acid (7783-00-8)	
Persistence and degradability	Biodegradability: Not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

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silver nitrate (7761-88-8)		
Persistence and degradability	Biodegradability: Not applicable. May cause long-term adverse effects in the environment.	
Biochemical oxygen demand (BOD)	Not applicable	
Chemical oxygen demand (COD)	Not applicable	
ThOD	Not applicable	

12.3. Bioaccumulative potential

nitric acid (7697-37-2)	
BCF fish 1	<= 1 (BCF)
Log Pow	-2.3 (OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method)
Bioaccumulative potential	Bioaccumulation: Not applicable.
chromium(III) nitrate (13548-38-4)	
BCF other aquatic organisms 1	17000 (BCF)
BCF other aquatic organisms 2	6500 (BCF)
Bioaccumulative potential	Bioaccumulation: No data available.
cobalt dinitrate (10141-05-6)	
Bioaccumulative potential	Bioaccumulation: No data available.
manganese(II)nitrate (10377-66-9)	
Bioaccumulative potential	Bioaccumulation: No data available.
arsenic acid (7778-39-4)	
Bioaccumulative potential	bioaccumulative.
cadmium nitrate (10325-94-7)	
BCF other aquatic organisms 1	1220 (BCF)
BCF other aquatic organisms 2	603 (BCF; 504 h)
Bioaccumulative potential	bioaccumulative.
selenious acid (7783-00-8)	
BCF fish 1	20 (BCF)
Bioaccumulative potential	bioaccumulative.
silver nitrate (7761-88-8)	
BCF fish 1	11 - 19 (BCF)
BCF fish 2	15 - 150 (BCF)
Log Pow	0.19 (Estimated value)
Bioaccumulative potential	Low bioaccumulation potential (BCF < 500). Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the global warming : No known effects from this product.

GWPmix comment : No known effects from this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

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20ug/ml ; Co 20ug/ml ; Cu 20ug/ml ; Mn 20ug/ml ; Ni 20ug/ml ; V 20ug/ml ; As 10ug/ml ; Cd 10ug/ml ; Se 10ug/ml ; Zn 10ug/ml ; Ag

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SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN3264 Corrosive liquid, acidic, inorganic, n.o.s. (CONTAINS; nitric acid), 8, II

UN-No.(DOT) : UN3264

Proper Shipping Name (DOT) : Corrosive liquid, acidic, inorganic, n.o.s.

CONTAINS; nitric acid

Class (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136

Packing group (DOT) : II - Medium Danger Hazard labels (DOT) : 8 - Corrosive



: 242

DOT Packaging Non Bulk (49 CFR 173.xxx)

DOT Packaging Bulk (49 CFR 173.xxx)

DOT Symbols

: G - Identifies PSN requiring a technical name

DOT Special Provisions (49 CFR 172.102)

: B2 - MC 300, MC 301, MC 302, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks are not authorized

IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized

T11 - 6 178.274(d)(2) Normal..... 178.275(d)(3)

TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively

TP27 - A portable tank having a minimum test pressure of 4 bar (400 kPa) may be used provided the calculated test pressure is 4 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the

MAWP : 154

DOT Packaging Exceptions (49 CFR 173.xxx) : 154
DOT Quantity Limitations Passenger aircraft/rail : 1 L

(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 30 L

CFR 175.75)

DOT Vessel Stowage Location

DOT Vessel Stowage Other

: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this

section is exceeded
: 40 - Stow "clear of living quarters"

Emergency Response Guide (ERG) Number : 154

Other information : No supplementary information available.

TDG

Transport document description : UN3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (CONTAINS; nitric acid), 8, II

UN-No. (TDG) : UN326

Proper Shipping Name (TDG) : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

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6020 Interference Check Solution B for ICP/MS - 11 components; Cr 20ug/ml; Co 20ug/ml; Cu 20ug/ml; Mn 20ug/ml; Ni 20ug/ml; V

20ug/ml; As 10ug/ml; Cd 10ug/ml; Se 10ug/ml; Zn 10ug/ml; Ag 5ug/ml in HNO3 5% Equivalent to Agilent Ref: 5188-6527

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TDG Primary Hazard Classes : 8 - Class 8 - Corrosives Packing group : II - Medium Danger

TDG Special Provisions : 16 - (1) The technical name of at least one of the most dangerous substances that

predominantly contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A) of Part 3 (Documentation). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous Goods Safety Marks). (2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name: (a)UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S; (b)UN1851, MEDICINE, LIQUID, TOXIC, N.O.S; (c)UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S; (d)UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; or (e)UN3249, MEDICINE, SOLID, TOXIC, N.O.S. An example in Canada is the "Food and Drugs Act". (3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of

containment: (a)UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (b)UN2900,

INFECTIOUS SUBSTANCE, AFFECTING ANIMALS. SOR/2014-306

Explosive Limit and Limited Quantity Index Passenger Carrying Road Vehicle or Passenger : 1 L Carrying Railway Vehicle Index

Transport by sea

UN-No. (IMDG) : 3264

Proper Shipping Name (IMDG) : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

Class (IMDG) : 8 - Corrosive substances

Packing group (IMDG) : II - substances presenting medium danger

Limited quantities (IMDG)

Air transport

UN-No. (IATA) : 3264

Proper Shipping Name (IATA) : Corrosive liquid, acidic, inorganic, n.o.s.

Class (IATA) : 8 - Corrosives Packing group (IATA) : II - Medium Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

nitric acid (7697-37-2)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313		
CERCLA RQ	1000 lb	
SARA Section 302 Threshold Planning Quantity (TPQ)	1000 lb	
chromium(III) nitrate (13548-38-4)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		

cobalt dinitrate (10141-05-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

manganese(II)nitrate (10377-66-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

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20ug/ml; Co 20ug/ml; Cu 20ug/ml; Mn 20ug/ml; Ni 20ug/ml; V 20ug/ml; As 10ug/ml; Cd 10ug/ml; Se 10ug/ml; Zn 10ug/ml; Ag

5ug/ml in HNO3 5% Equivalent to Agilent Ref: 5188-6527

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nickel nitrate (13138-45-9)				
Listed on the United States TSCA (Toxic Substances Control Act) inventory				
Subject to reporting requirements of United States SARA Section 313				
CERCLA RQ	100 lb			
arsenic acid (7778-39-4)				
Listed on the United States TSCA (Toxic Substate Subject to reporting requirements of United States				
CERCLA RQ	1 lb			
cadmium nitrate (10325-94-7)				
Listed on the United States TSCA (Toxic Substances Control Act) inventory				
selenious acid (7783-00-8)				
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313				
CERCLA RQ	10 lb			
SARA Section 302 Threshold Planning Quantity (TPQ)	10000 lb 1,000lb if the substance is solid in powder form with particle size less than 100 microns, or is in solution or molten form			
silver nitrate (7761-88-8)				
Listed on the United States TSCA (Toxic Substan Subject to reporting requirements of United State				
CERCLA RQ	1 lb			

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

Revision date : 09/10/2016

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20ug/ml; Co 20ug/ml; Cu 20ug/ml; Mn 20ug/ml; Ni 20ug/ml; V 20ug/ml; As 10ug/ml; Cd 10ug/ml; Se 10ug/ml; Zn 10ug/ml; Ag 5ug/ml in HNO3 5% Equivalent to Agilent Ref: 5188-6527

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Full text of H-phrases:

H272	May intensify fire; oxidizer
H290	May be corrosive to metals
H300	Fatal if swallowed
H301	Toxic if swallowed
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H331	Toxic if inhaled
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H341	Suspected of causing genetic defects
H350	May cause cancer
H351	Suspected of causing cancer
H360	May damage fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

NFPA health hazard

: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt

medical attention is given.

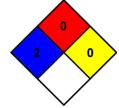
NFPA fire hazard

: 0 - Materials that will not burn.

NFPA reactivity

: 0 - Normally stable, even under fire exposure conditions,

and are not reactive with water.



HMIS III Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 0 Minimal Hazard - Materials that will not burn

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT

react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal protection : 0

C - Safety glasses, Gloves, Synthetic apron

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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