

Printing date 06/15/2022

Reviewed on 06/15/2022

Page 1/17

Product identifier	Control Charles 1	
Iraae name: <u>Quau</u>	Control Standard 1	
Article number: Q	·1-A	
Details of the suppl	r of the safety data sheet	
Manufacturer/Sup	er:	
High-Purity Standa	<u>S</u>	
7221 Investment Dr	e, North Charleston, SC 29418 United States	
Telephone: +1-843	57-7900	
Fax: +1-843-767-7	•	
highpuritystandard		
Email: info@highpt	tystandards.com	
Information depart	ent: Product safety department	
Emergency telepho	number:	
INFOTRAC		
Emergency telephor	numbers1-800-535-5053	
Other emergency te	ohone numbers 1-352-323-3500	

· Classification of the substance or mixture

GHS05 Corrosion

Met. Corr.1 H290 May be corrosive to metals.

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

Eye Dam. 1 H318 Causes serious eye damage.

GHS07

Acute Tox. 4 H312 Harmful in contact with skin.

· Label elements

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



· Signal word Danger

• Hazard-determining components of labeling: nitric acid

(Contd. on page 2)

⁻ US



Printing date 06/15/2022

Reviewed on 06/15/2022

Trade name: Quality Control Standard 1

hudrogen flyouide	(Contd. of page 1
hydrogen fluoride Hazard statements	
-	
H290 May be corrosive to metals.	
H312 Harmful in contact with skin.	
H314 Causes severe skin burns and eye damage.	
Precautionary statements	
Keep only in original container.	
Do not breathe dusts or mists.	
Wash thoroughly after handling.	
Wear protective gloves/protective clothing/eye protection/face protection.	
If swallowed: Rinse mouth. Do NOT induce vomiting.	
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin wit	h water/shower.
<i>IF INHALED: Remove person to fresh air and keep comfortable for breathing.</i>	
If in eyes: Rinse cautiously with water for several minutes. Remove contact le	nses, if present and easy to do
Continue rinsing.	
Immediately call a poison center/doctor.	
Specific treatment (see on this label).	
Take off contaminated clothing and wash it before reuse.	
Wash contaminated clothing before reuse.	
Absorb spillage to prevent material damage.	
Store locked up.	
Store in corrosive resistant container with a resistant inner liner.	
Dispose of contents/container in accordance with local/regional/national/internat	ional regulations.
Classification system:	
NFPA ratings (scale 0 - 4)	
Health = 3	
Fire = 0	
3 0 Reactivity = 0	
HMIS-ratings (scale 0 - 4)	
HEALTH 3 Health = 3	
FIRE 0 $Fire = 0$	
REACTIVITY 0 Reactivity = 0	
REACTIVITY 0	
Other hazards	
Results of PBT and vPvB assessment	
PBT: Not applicable.	
vPvB: Not applicable.	
Composition/information on ingredients	

• *Chemical characterization: Mixtures* • *Description: Mixture of the substances listed below with nonhazardous additions.*

(Contd. on page 3)

Page 2/17



Printing date 06/15/2022

Reviewed on 06/15/2022

Page 3/17

Trade name: Quality Control Standard 1

		(Contd. of page
	components:	
7697-37-2	nitric acid	4.0%
7664-39-3	hydrogen fluoride	0.499
Chemical ia	lentification of the substance/preparation	
7732-18-5	water, distilled, conductivity or of similar purity	95.249
1314-36-9	yttrium oxide	0.05%
471-34-1	calcium carbonate	0.01%
513-77-9	barium carbonate	0.01%
543-81-7	beryllium acetate	0.01%
554-13-2	lithium carbonate	0.01%
6156-78-1	Manganese(II) acetate tetrahydrate	0.01%
7429-90-5	aluminium	0.01%
7439-89-6	iron	0.01%
7439-95-4	magnesium	0.01%
7439-98-7	molybdenum	0.01%
7440-02-0	nickel	0.01%
7440-38-2	arsenic	0.01%
7440-43-9	cadmium	0.01%
7440-47-3	chromium	0.01%
7440-48-4	cobalt	0.01%
7440-66-6	zinc	0.01%
7722-76-1	Ammonium dihydrogenphosphate	0.01%
7757-79-1	potassium nitrate	0.01%
7782-49-2	selenium	0.01%
7803-55-6	Ammonium Vanadate	0.01%
10043-35-3	boric acid	0.01%
10102-06-4	Uranyl nitrate	0.01%
16919-19-0	ammonium hexafluorosilicate	0.01%

4 First-aid measures

· Description of first aid measures

• General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- *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.*

(Contd. on page 4)



Printing date 06/15/2022

Reviewed on 06/15/2022

Trade name: Quality Control Standard 1

(Contd. of page 3)

Page 4/17

- After swallowing: Drink copious amounts of water and provide fresh air. Immediately call a doctor. • Information for 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 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.
- See Section 15 for disposal information.

• Protective Action Criteria for Chemicals

7697-37-2 nitric acid	0.16 ppm
7664-39-3 hydrogen fluoride	1.0 ppm
1314-36-9 yttrium oxide	3.8 mg/m ²
471-34-1 calcium carbonate	45 mg/m ³
513-77-9 barium carbonate	2.2 mg/m
554-13-2 lithium carbonate	3.1 mg/m ²
6156-78-1 Manganese(II) acetate tetrahydrate	13 mg/m ³
7439-89-6 iron	3.2 mg/m ²
7439-95-4 magnesium	18 mg/m ³
7439-98-7 molybdenum	30 mg/m ³



Printing date 06/15/2022

Reviewed on 06/15/2022

Trade name: Quality Control Standard 1

7440 02 0		(Contd. of page
7440-02-0		4.5 mg/m ³
7440-38-2 arsenic 7440-43-9 cadmium		1.5 mg/m ³
		0.10 mg/n
	chromium	1.5 mg/m ³
7440-48-4		0.18 mg/n
7440-66-6		6 mg/m ³
	Ammonium dihydrogenphosphate	17 mg/m ³
	potassium nitrate	9 mg/m ³
7782-49-2		0.6 mg/m ³
7803-55-6	Ammonium Vanadate	0.01 mg/n
10043-35-3	boric acid	6 mg/m ³
10102-06-4	Uranyl nitrate	0.99 mg/n
16919-19-0	ammonium hexafluorosilicate	12 mg/m ³
PAC-2:		
	nitric acid	24 ppm
	hydrogen fluoride	24 ppm
1314-36-9	yttrium oxide	43 mg/m ³
471-34-1 calcium carbonate		210 mg/m
513-77-9	barium carbonate	270 mg/m
554-13-2	lithium carbonate	34 mg/m ³
6156-78-1	Manganese(II) acetate tetrahydrate	22 mg/m ³
7439-89-6	iron	35 mg/m ³
7439-95-4	magnesium	200 mg/m
7439-98-7	molybdenum	330 mg/m
7440-02-0	nickel	50 mg/m ³
7440-38-2	arsenic	17 mg/m ³
7440-43-9	cadmium	0.76 mg/n
7440-47-3	chromium	17 mg/m ³
7440-48-4	cobalt	$2 mg/m^3$
7440-66-6	zinc	21 mg/m ³
7722-76-1	Ammonium dihydrogenphosphate	190 mg/m
7757-79-1	potassium nitrate	100 mg/m
7782-49-2	selenium	6.6 mg/m ³
7803-55-6	Ammonium Vanadate	0.11 mg/n
10043-35-3	boric acid	23 mg/m ³
10102-06-4	Uranyl nitrate	5.5 mg/m ³
16919-19-0	ammonium hexafluorosilicate	130 mg/m

Page 5/17

- US



Page 6/17

Safety Data Sheet acc. to OSHA HCS

Printing date 06/15/2022

Reviewed on 06/15/2022

Trade name: Quality Control Standard 1

		(Contd. of page 5
• PAC-3:		
7697-37-2	nitric acid	92 ppm
7664-39-3	hydrogen fluoride	44 ppm
1314-36-9	yttrium oxide	260 mg/m ³
471-34-1	calcium carbonate	1,300 mg/m ³
513-77-9	barium carbonate	1,600 mg/m ³
554-13-2	lithium carbonate	210 mg/m ³
6156-78-1	Manganese(II) acetate tetrahydrate	740 mg/m ³
7439-89-6	iron	150 mg/m ³
7439-95-4	magnesium	1,200 mg/m ³
7439-98-7	molybdenum	2,000 mg/m ³
7440-02-0	nickel	99 mg/m ³
7440-38-2	arsenic	100 mg/m ³
7440-43-9	cadmium	$4.7 mg/m^3$
7440-47-3	chromium	99 mg/m ³
7440-48-4	cobalt	20 mg/m ³
7440-66-6	zinc	120 mg/m ³
7722-76-1	Ammonium dihydrogenphosphate	1,100 mg/m ³
7757-79-1	potassium nitrate	600 mg/m ³
7782-49-2	selenium	40 mg/m ³
7803-55-6	Ammonium Vanadate	80 mg/m ³
10043-35-3	boric acid	830 mg/m ³
10102-06-4	Uranyl nitrate	33 mg/m ³
16919-19-0	ammonium hexafluorosilicate	780 mg/m ³

7 Handling and storage

· Handling:

· Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

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.

(Contd. on page 7)

US



Printing date 06/15/2022

Trade name: Quality Control Standard 1

• *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

	*
· Com	ponents 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/m³, 4 ppm

Long-term value: 5 mg/m³, 2 ppm TLV Short-term value: 4 ppm

Long-term value: 2 ppm

7664-39-3 hydrogen fluoride

- PEL Long-term value: 1* mg/m³, 3 ppm as F, *sulfuric acid
- REL Long-term value: 2.5 mg/m³, 3 ppm Ceiling limit value: 5* mg/m³, 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 3 mg/g creatinine Medium: urine Time: prior to shift Parameter: Fluorides (background, nonspecific)

10 mg/g creatinine Medium: urine Time: end of shift Parameter: Fluorides (background, nonspecific)

• 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.

Page 7/17

Reviewed on 06/15/2022

(Contd. of page 6)

⁽Contd. on page 8)



Printing date 06/15/2022

Reviewed on 06/15/2022

(Contd. of page 7)

Trade name: Quality Control Standard 1

• Breathing equipment:

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 the application.

· 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

Information on basic physical and General Information	chemical properties	
Appearance:		
Form:	Liquid	
Color:	According to product specification	
Odor:	Characteristic	
Odor threshold:	Not determined.	
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.	

Page 8/17



Printing date 06/15/2022

Reviewed on 06/15/2022

Trade name: Quality Control Standard 1

	(Contd. of page
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)
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/wate	e r): Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Water:	95.2 %
VOC content:	0.00 %
	0.0 g/l / 0.00 lb/gal
Solids content:	0.2 %
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.

(Contd. on page 10)

US

Page 9/17



Page 10/17

Safety Data Sheet acc. to OSHA HCS

Printing date 06/15/2022

Reviewed on 06/15/2022

Trade name: Quality Control Standard 1

(Contd. of page 9)

11 Toxicological information

· Information on toxicological effects

• Acute toxicity:

· LD/LC50 values that are relevant for classification:

7664-39-3 hydrogen fluoride

Oral LD50 1,276 mg/kg (rat)

· Primary irritant effect:

• on the skin: Strong 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: Harmful

Corrosive

Irritant

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

· Carcinogenic categories

,	ernational Agency for Research on Cancer)	1
	beryllium acetate	1
7440-02-0	nickel	21
7440-38-2	arsenic	1
7440-43-9	cadmium	1
7440-47-3	chromium	3
7440-48-4	cobalt	21
7782-49-2	selenium	3
NTP (Nati	ional Toxicology Program)	
543-81-7	beryllium acetate	I
7440-02-0	nickel	<u> </u>
7440-38-2	arsenic	<i>I</i>
7440-43-9	cadmium	I
7440-48-4	cobalt	1
OSHA-Ca	(Occupational Safety & Health Administration)	
7440-38-2	arsenic	
7440-43-9	cadmium	

(Contd. on page 11)



Printing date 06/15/2022

Reviewed on 06/15/2022

Trade name: Quality Control Standard 1

(Contd. of page 10)

Page 11/17

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:

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.

- · 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.

· UN-Number · DOT, ADR, IMDG, IATA	UN3264
· UN proper shipping name · DOT	Companya liquid gaidia inanggnia n o g (Nituia gaid)
201	Corrosive liquid, acidic, inorganic, n.o.s. (Nitric acid)
· ADR	3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S (NITRIC ACID)
· IMDG, IATA	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC
	ACID)



Printing date 06/15/2022

Trade name: Quality Control Standard 1

Reviewed on 06/15/2022

		(Contd. of page
Transport hazard class(es)		
DOT		
CORROSIVE		
8		
Class	8 Corrosive substances	
Label	8	
ADR		
Â		
8		
Class	8 (C1) Corrosive substances	
Label	8	
IMDG, IATA		
8		
Class	8 Corrosive substances	
Label	8	
Packing group		
DOT, ADR, IMDG, IATA	III	
Environmental hazards:	Not applicable.	
Special precautions for user Hazard identification number (Kemler code).	<i>Warning: Corrosive substances</i> • 80	
EMS Number:	<i>F-A,S-B</i>	
Segregation groups	Acids	
Stowage Category	A	
Stowage Code	SW2 Clear of living quarters.	
Transport in bulk according to Annex II of		
MARPOL73/78 and the IBC Code	Not applicable.	
Transport/Additional information:	**	
DOT Quantity limitations	On narrongar givereft/rail. 5 I	
Quantity amilations	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L	
	On curgo uncruji only. 00 L	

Page 12/17



Page 13/17

Safety Data Sheet acc. to OSHA HCS

Printing date 06/15/2022

Reviewed on 06/15/2022

Trade name: Quality Control Standard 1

(Contd. of p		
·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	
$\tilde{Excepted}$ quantities (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.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

7697-37-2 nitric acid	
7664-39-3 hydrogen fluoride	
Section 313 (Specific toxic chemical listings):	
7697-37-2 nitric acid	
7664-39-3 hydrogen fluoride	
513-77-9 barium carbonate	
543-81-7 beryllium acetate	
554-13-2 lithium carbonate	
7429-90-5 aluminium	
7440-02-0 nickel	
7440-38-2 arsenic	
7440-43-9 cadmium	
7440-47-3 chromium	
7440-48-4 cobalt	
7440-66-6 zinc	
7757-79-1 potassium nitrate	
7782-49-2 selenium	
7803-55-6 Ammonium Vanadate	
TSCA (Toxic Substances Control Act):	
7732-18-5 water, distilled, conductivity or of similar purity	ACTIV



Page 14/17

Safety Data Sheet acc. to OSHA HCS

Printing date 06/15/2022

Reviewed on 06/15/2022

Trade name: Quality Control Standard 1

		(Contd. of page 13
7697-37-2	nitric acid	ACTIVE
7664-39-3	hydrogen fluoride	ACTIVE
1314-36-9	yttrium oxide	ACTIVE
471-34-1	calcium carbonate	ACTIVE
513-77-9	barium carbonate	ACTIVE
554-13-2	lithium carbonate	ACTIVE
7429-90-5	aluminium	ACTIVE
7439-89-6	iron	ACTIVE
7439-95-4	magnesium	ACTIVE
7439-98-7	molybdenum	ACTIVE
7440-02-0	nickel	ACTIVE
7440-38-2	arsenic	ACTIVE
7440-43-9	cadmium	ACTIVE
7440-47-3	chromium	ACTIVE
7440-48-4	cobalt	ACTIVE
7440-66-6	zinc	ACTIVE
7722-76-1	Ammonium dihydrogenphosphate	ACTIVE
	potassium nitrate	ACTIVE
7782-49-2	selenium	ACTIVE
7803-55-6	Ammonium Vanadate	ACTIVE
10043-35-3	boric acid	ACTIVE
10102-06-4	Uranyl nitrate	ACTIVE
16919-19-0	ammonium hexafluorosilicate	ACTIVE
·Hazardous	Air Pollutants	
7664-39-3	hydrogen fluoride	
7440-48-4	cobalt	
· Proposition	65	
· Chemicals	known to cause cancer:	
543-81-7	beryllium acetate	
7440-02-0	nickel	
7440-38-2	arsenic	
7440-43-9	cadmium	
7440-48-4	cobalt	
· Chemicals	known to cause reproductive toxicity for females:	
	ingredients is listed.	
· Chemicals	known to cause reproductive toxicity for males:	
7440-43-9	cadmium	
I		(Contd. on page 15



Page 15/17

Safety Data Sheet acc. to OSHA HCS

Printing date 06/15/2022

Reviewed on 06/15/2022

Trade name: Quality Control Standard 1

Chemicals	known to cause developmental toxicity:	(Contd. of page
	lithium carbonate	
7440-43-9	cadmium	
Carcinogen	iic categories	
EPA (Envi	ronmental Protection Agency)	
513-77-9	barium carbonate	D, CBD(inh), NL(ord
7440-38-2	arsenic	A
7440-43-9	cadmium	BI
7440-47-3	chromium	D
7440-66-6	zinc	D, I, II
7782-49-2	selenium	D
10043-35-3	boric acid	I (oral)
TLV (Thres	shold Limit Value)	
513-77-9	barium carbonate	1
7429-90-5	aluminium	2
7439-98-7	molybdenum	1
7440-02-0	nickel	1
7440-38-2	arsenic	1
7440-43-9	cadmium	1
7440-47-3	chromium	1
7440-48-4	cobalt	1
10043-35-3	boric acid	1
NIOSH-Ca	(National Institute for Occupational Safety and	Health)
543-81-7	beryllium acetate	
7440-02-0	nickel	
7440-38-2	arsenic	
7440-43-9	cadmium	
10102-06-4	Uranyl nitrate	

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



· Signal word Danger

• Hazard-determining components of labeling: nitric acid

(Contd. on page 16)

⁻ US



Page 16/17

Safety Data Sheet acc. to OSHA HCS

Printing date 06/15/2022

Reviewed on 06/15/2022

Trade name: Quality Control Standard 1

(0	Contd. of page 15)
hydrogen fluoride	
· Hazard statements	
H290 May be corrosive to metals.	
H312 Harmful in contact with skin.	
H314 Causes severe skin burns and eye damage.	
· Precautionary statements	
Keep only in original container.	
Do not breathe dusts or mists.	
Wash thoroughly after handling.	
Wear protective gloves/protective clothing/eye protection/face protection.	
If swallowed: Rinse mouth. Do NOT induce vomiting.	
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.	
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present an	nd easy to do.
Continue rinsing.	
Immediately call a poison center/doctor.	
Specific treatment (see on this label).	
Take off contaminated clothing and wash it before reuse.	
Wash contaminated clothing before reuse.	
Absorb spillage to prevent material damage.	
Store locked up.	
Store in corrosive resistant container with a resistant inner liner.	
Dispose of contents/container in accordance with local/regional/national/international regulations.	
• 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: Environment protection department. · Contact: High-Purity Standards Tel: 843-767-7900 Fax: 843-767-7906 · Date of preparation / last revision 06/15/2022 / -• 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



Printing date 06/15/2022

Reviewed on 06/15/2022

Trade name: Quality Control Standard 1

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 Met. Corr.1: Corrosive to metals – Category 1 Acute Tox. 4: Acute toxicity – Category 4 Skin Corr. 1A: Skin corrosion/irritation – Category 1 Eye Dam. 1: Serious eye damage/eye irritation – Category 1 (Contd. of page 16)

Page 17/17

6)