

*

according to WHS Regulations

Printing date 27.07.2021

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Hazardous according to criteria of Australian Safety and Compensation Council.

Identifica	ion	
Product ide	tifier	
Article nun Relevant id No further	PALLADIUM 1000 PPM A/S STANDARD per: N9300138 ntified uses of the substance or mixture and uses advised against elevant information available. of the substance / the mixture Laboratory chemicals	
	e supplier of the safety data sheet er/Supplier:	
	ort Avenue necticut 06484 USA reUS@perkinelmer.com	
Supplier/Lo	al:	
530-540 Sp Glen Wave Melbourne VIC 3150 Australia 1-800-033- ausales@p Emergency CHEMTRE CHEMTRE	, Brandon Office Park ingvale Road ey	
Hazard(s	Identification	
Classificati	n of the substance or mixture	
	rrosion	
Skin Corr.	H314 Causes severe skin burns and eye damage.	
Eye Dam. I	H318 Causes serious eye damage.	
STOT SE 3	H335 May cause respiratory irritation. (Contd	



Printing date 27.07.2021

Revision: 27.07.2021

Trade name: PALLADIUM 1000 PPM A/S STANDARD

	(Contd. of page 1)
	nts The product is classified and labelled according to the Globally Harmonised System (GHS). ns GHS05, GHS07 ger
	ning components of labelling:
Hydrochloric Aci • Hazard statemen	
	is ere skin burns and eye damage.
	respiratory irritation.
· Precautionary st	
P260	Do not breathe dusts or mists.
P303+P361+P3	53 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P3	38 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.
P321	Specific treatment (see on this label).
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
• Other hazards	0
The product doe formaldehydes.	es not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or
· Results of PBT a	nd vPvB assessment

· **PBT:** Not applicable.

• *vPvB*: Not applicable.

3 Composition and Information on Ingredients

· Chemical characterisation: Mixtures

• Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:
7647-01-0 Hydrochloric Acid
Skin Corr. 1, H314; Eye Dam. 1, H318
Acute Tox. 4, H302; STOT SE 3, H335

Additional Components
7732-18-5 Water

7440-05-3 palladium

• Additional information: For the wording of the listed hazard phrases refer to section 16.

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.

(Contd. on page 3)

10.0%

89.9% 0.1%

🚸 Ox. Sol. 2, H272

AU



Printing date 27.07.2021

Revision: 27.07.2021

Trade name: PALLADIUM 1000 PPM A/S STANDARD

(Contd. of page 2)

• After skin contact: Prolonged and or repeated contact may result in mild irritation or redness

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 plenty of water and provide fresh air. Call for a doctor immediately.
- 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:
- CO2, powder or water spray. Fight larger fires with water spray. Use fire extinguishing methods suitable to surrounding conditions.
- 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: Inform respective authorities in case of seepage into water course or sewage system. 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 neutralising 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.

7 Handling and Storage

- · Handling:
- · Precautions for safe handling
- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of aerosols.
- *Information about fire and explosion protection: Keep respiratory protective device available.*

(Contd. on page 4)

AU



Printing date 27.07.2021

Revision: 27.07.2021

Trade name: PALLADIUM 1000 PPM A/S STANDARD

(Contd. of page 3)

· 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 container tightly sealed.
- Specific end use(s) No further relevant information available.

8 Exposure controls and personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- · Control parameters

Ingredients with limit values that require monitoring at the workplace:

7647-01-0 Hydrochloric Acid

WES Peak limitation: 7.5 mg/m³, 5 ppm

- Additional information: The lists valid during the making 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.
- · Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

• 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 \cdot **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.

(Contd. on page 5)



*

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Printing date 27.07.2021

Revision: 27.07.2021

Trade name: PALLADIUM 1000 PPM A/S STANDARD

(Contd. of page 4)

• Eye protection:

Tightly sealed goggles

Information on basic physical and chen	nical properties	
General Information		
· Appearance:		
Form: Colour:	Liquid Transparent	
· Odour:	Odourless	
• Odour threshold:	Not determined.	
pH-value:	Not determined.	
Change in condition		
Melting point/freezing point:	0 °C	
Initial boiling point and boiling range	: 100 °C	
Flash point:	Not applicable.	
Flammability (solid, gas):	Not applicable.	
Decomposition temperature:	Not determined.	
Auto-ignition temperature:	Product is not selfigniting.	
Explosive properties:	Product does not present an explosion hazard. Not determined.	
Explosion limits:		
Lower:	Not determined.	
Upper:	Not determined.	
• Vapour pressure at 20 •C:	23 hPa	
Density at 20 °C:	1.01477 g/cm ³	
Relative density	Not determined.	
· Vapour density	Not determined.	
· Evaporation rate	Not determined.	
· Solubility in / Miscibility with		
water:	Fully miscible.	
Partition coefficient: n-octanol/water:	Not determined.	
· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	



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Revision: 27.07.2021

Trade name: PALLADIUM 1000 PPM A/S STANDARD

		(Contd. of page 5)
· Solvent content: Water:	89.9 %	
Solids content:	0.1 %	
• 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:
- · Skin corrosion/irritation Strong caustic effect on skin and mucous membranes.
- Serious eye damage/irritation

Strong caustic effect.

Strong irritant with the danger of severe eye injury.

· Respiratory or skin sensitisation No sensitising effects known.

• Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Corrosive

Irritant

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

12 Ecological Information

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behaviour in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- Additional ecological information:
- · General notes:
- Not hazardous for water.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

(Contd. on page 7)



Printing date 27.07.2021

Revision: 27.07.2021

Trade name: PALLADIUM 1000 PPM A/S STANDARD

(Contd. of page 6)

· 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 together with household garbage. Do not allow product to reach sewage system.

- Uncleaned packaging:
- *Recommendation:* Disposal must be made according to official regulations.
- Recommended cleansing agents: Water, if necessary together with cleansing agents.

⁴ 14 Transport information

· UN-Number	
· ADG, IMDG, IATA	UN1789
· UN proper shipping name · ADG · IMDG, IATA	1789 HYDROCHLORIC ACID mixture HYDROCHLORIC ACID mixture
· Transport hazard class(es)	
·ADG	
· Class	8 (C1) Corrosive substances.
·Label	8
· IMDG, IATA	
· Class	8 Corrosive substances.
· Label	8
· Packing group · ADG, IMDG, IATA	II
· Environmental hazards: · Marine pollutant:	No
Special precautions for user Hazard identification number (Kemler code):	Warning: Corrosive substances. 80
	(Contd. on page 8)



Printing date 27.07.2021

Revision: 27.07.2021

Trade name: PALLADIUM 1000 PPM A/S STANDARD

	(Contd. of page
EMS Number:	F-A,S-B
Segregation groups	Strong acids
Stowage Category	C
Transport in bulk according to Annex II o	f Marpol
and the IBC Code	Not applicable.
Transport/Additional information:	
ADG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
Transport category	2
Tunnel restriction code	E
IMDG	
Limited quantities (LQ)	1L
Excepted quantities $(\widetilde{E}Q)$	Code: E2
· ~	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 1789 HYDROCHLORIC ACID MIXTURE, 8, II

15 Regulatory information

· Safety, hea	lth and environmental regulations/legislation specific for the substance or mixture	
7732-18-5	Water	89.9%
7647-01-0	Hydrochloric Acid	10.0%
	 Skin Corr. 1, H314; Eye Dam. 1, H318 Acute Tox. 4, H302; STOT SE 3, H335 	
7440-05-3	palladium	0.1%
	🕸 Ox. Sol. 2, H272	
· Australia:	Priority Existing Chemicals	

None of the ingredients is listed.

· Directive 2012/18/EU

- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · 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.
- Waterhazard class: Generally not hazardous for water.
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

(Contd. on page 9)

AU



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Revision: 27.07.2021

Trade name: PALLADIUM 1000 PPM A/S STANDARD

(Contd. of page 8)

Other inform Disclaimer	
The information and believed to concerning its considered a w should be used these are the o	n provided in this Material Safety Data Sheet is based on our present knowledge, be correct at the date of publication. However, no representation is made accuracy and completeness. It is intended as guidance only, and is not to be varranty or quality specification. All materials may present unknown hazards, and with caution. Although certain hazards are described, we cannot guarantee that nly hazards which exist. PerkinElmer Life and Analytical Sciences shall not be held lamage resulting from handling or from contact with the product.
H302 Harmful H314 Causes s H318 Causes s	nsify fire; oxidiser.
-	suing SDS: Environmental, Health and Safety
Contact:	1. 1 (200) 762 4000
	1: 1-(800)-762-4000
	<i>A</i> : <i>1-(203)-712-8488</i>
International Tran ICAO: Internation	nternational concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning sport of Dangerous Goods by Rail) al Civil Aviation Organisation
	opéen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internatio erous Goods by Road)
	al Maritime Code for Dangerous Goods
	al Air Transport Association
	n Inventory of Existing Commercial Chemical Substances
	n List of Notified Chemical Substances astracts Service (division of the American Chemical Society)
	ioaccumulative and Toxic
,	ent and very Bioaccumulative
	e toxicity – Category 4
	corrosion/irritation – Category 1
	us eye damage/eye irritation – Category 1
GTOTOR 1 G ·	îc target organ toxicity (single exposure) – Category 3