

Platinum Bath JE18

Revision date: 18.01.2022

Product code: 90

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

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1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Plating agents and metal surface treating agents

1.3. Details of the supplier of the safety data sheet

Company name:	Jentner Plating Technology GmbH	
Street:	Johann-Staib-Strasse 2	
Place:	D-75179 Pforzheim	
Telephone:	+49 (0)7231 418094 0	Telefax: +49 (0)7231 418094 77
e-mail:	info@jentner.de	
Contact person:	Department of Chemistry	
Internet:	www.jentner.de	
Responsible Department:	Poison Information Center of the University of Freiburg.	

1.4. Emergency telephone number:

0049 (0)761 19240 - 24 h german and english

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****GB CLP Regulation**

Hazard categories:

Skin corrosion/irritation: Skin Corr. 1

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Causes severe skin burns and eye damage.

Causes serious eye damage.

2.2. Label elements**GB CLP Regulation****Hazard components for labelling**

sulphuric acid 96 %

Signal word: Danger**Pictograms:****Hazard statements**

H314 Causes severe skin burns and eye damage.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing 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 or shower.

P363 Wash contaminated clothing before reuse.

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

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P310	Immediately call a POISON CENTER/doctor.
P321	Specific treatment (see 4 on this label).
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.
P405	Store locked up.

Special labelling of certain mixtures

EUH208	Contains Dipotassium platinate. May produce an allergic reaction.
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SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
7664-93-9	sulphuric acid 96 %			12 %
	231-639-5	016-020-00-8		
	Skin Corr. 1A; H314			
12285-90-4	Dipotassium platinate			max. 0,5 %
	235-554-4			
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3; H315 H319 H317 H335			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Remove contaminated, saturated clothing immediately.

In case of accident or if you feel unwell, seek medical advice immediately (show this label if possible).

After contact with skin

Remove mechanically (e.g. dab away using wadding or cellulose material) then thoroughly wash the affected skin with a mild cleansing agent and water.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Call a physician immediately.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Water spray. Foam. Carbon dioxide. Extinguishing powder.

Unsuitable extinguishing media

High power water jet.

5.3. Advice for firefighters

Cool endangered containers with water spray jet.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

Personal protection equipment: see section 8

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

General Precautions for safe handling of chemicals.

Handle and open container with care.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Only use containers specifically approved for the substance/product.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
7664-93-9	Sulphuric acid (mist)	-	0.05		TWA (8 h)	WEL

Additional advice on limit values

Does not contain substances above concentration limits fixing an occupational exposure limit.

8.2. Exposure controls**Protective and hygiene measures**

Do not eat, drink, smoke or sneeze at the workplace.

Take off immediately all contaminated clothing.

Eye/face protection

Safety glasses.

Hand protection

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Skin protection

According to danger wear tight, adequate long apron and boots or suitable chemical protection suit.

Environmental exposure controls

Do not allow to enter into surface water or drains.

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SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	yellow
Odour:	none
pH-Value (at 20 °C):	<1

Changes in the physical state

Boiling point or initial boiling point and boiling range:	ca. 98 °C
Sublimation point:	not determined
Flash point:	not applicable

Explosive properties

not explosive.

Lower explosion limits:	not applicable
Upper explosion limits:	

Oxidizing properties

Not oxidising.

Vapour pressure:	not determined
Density (at 20 °C):	ca. 1,1 g/cm ³
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Relative vapour density:	not determined
Solvent separation test:	not applicable

SECTION 10: Stability and reactivity**10.2. Chemical stability**

not determined

10.4. Conditions to avoid

Alkalis (alkalis), concentrated.

10.5. Incompatible materials

Corrosive to metals

10.6. Hazardous decomposition products

No decomposition if used as directed.

Thermal decomposition can lead to the escape of irritating gases and vapours.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

Preparation not tested.

Toxicological data are not available.

Irritation and corrosivity

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Causes severe skin burns and eye damage.

Causes serious eye damage.

Causes severe skin burns and eye damage.

Sensitising effects

Contains Dipotassium platinate. May produce an allergic reaction.

Enthält Dikaliumplatinat. Kann allergische Reaktionen hervorrufen.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Caution if victim vomits: Risk of aspiration!

SECTION 12: Ecological information**12.1. Toxicity**

Negative ecological effects are not expected according to current knowledge.

12.2. Persistence and degradability

not determined

12.3. Bioaccumulative potential

not determined

12.4. Mobility in soil

not determined

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Disposal considerations

Can be reused after processing.

List of Wastes Code - residues/unused products

110112 WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY; wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodising); aqueous rinsing liquids other than those mentioned in 11 01 11

Contaminated packaging

Contaminated packages must be completely emptied and can be re-used following proper cleaning.

SECTION 14: Transport information**Land transport (ADR/RID)****14.1. UN number:**

UN 2796

14.2. UN proper shipping name:

SULPHURIC ACID with not more than 51 % acid

14.3. Transport hazard class(es):

8

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14.4. Packing group:

II

Hazard label:

8



Classification code:

C1

Limited quantity:

1 L

Transport category:

2

Hazard No:

80

Tunnel restriction code:

E

Other applicable information (land transport)

E2

Inland waterways transport (ADN)**14.1. UN number:**

UN 2796

14.2. UN proper shipping name:

SULPHURIC ACID with not more than 51 % acid

14.3. Transport hazard class(es):

8

14.4. Packing group:

II

Hazard label:

8



Classification code:

C1

Limited quantity:

1 L

Other applicable information (inland waterways transport)

E2

Marine transport (IMDG)**14.1. UN number:**

UN 2796

14.2. UN proper shipping name:

SULPHURIC ACID with not more than 51% acid

14.3. Transport hazard class(es):

8

14.4. Packing group:

II

Hazard label:

8



Special Provisions:

-

Limited quantity:

1 L

EmS:

F-A, S-B

Other applicable information (marine transport)

E2

Air transport (ICAO-TI/IATA-DGR)**14.1. UN number:**

UN 2796

14.2. UN proper shipping name:

SULPHURIC ACID with not more than 51% acid

14.3. Transport hazard class(es):

8

14.4. Packing group:

II

Hazard label:

8

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Limited quantity Passenger:	0.5 L	
IATA-packing instructions - Passenger:		851
IATA-max. quantity - Passenger:		1 L
IATA-packing instructions - Cargo:		855
IATA-max. quantity - Cargo:		30 L

Other applicable information (air transport)E2
: Y840**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3

Information according to 2012/18/EU
(SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D):

2 - obviously hazardous to water

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 2.

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Skin Corr. 1; H314	On basis of test data
Eye Dam. 1; H318	On basis of test data

Relevant H and EUH statements (number and full text)

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.
H335	May cause respiratory irritation.
EUH208	Contains Dipotassium platinate. May produce an allergic reaction.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material. The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

Jentner Plating Technology GmbH

Safety Data Sheet

according to UK REACH Regulation



JENTNER
PLATING TECHNOLOGY

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(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)