

Trade name: Black Rhodium Bath JE23GO! RS NDG - 1 g/L Rh

Version: 1 / WORLD

Date revised: 19.12.2023

Substance number: 8860.0000

Replaces Version: - / WORLD

Print date: 19.12.2023

## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

Black Rhodium Bath JE23GO! RS NDG - 1 g/L Rh

### **1.3. Details of the supplier of the safety data sheet**

#### **Address/Manufacturer**

Jentner Plating Technology GmbH  
 Johann-Staib-Straße 2  
 75179 Pforzheim  
 Information provided Department product safety  
 by / telephone

### **1.4. Emergency telephone number**

+49 761 19240

## **SECTION 2: Hazards identification**

### **2.1. Classification of the substance or mixture**

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

### **2.2. Label elements**

#### **Labelling according to regulation (EC) No 1272/2008**

#### **Supplemental information**

EUH210 Safety data sheet available on request.

### **2.3. Other hazards**

No special hazards have to be mentioned.

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

## **SECTION 3: Composition/information on ingredients**

### **Hazardous ingredients**

#### **potassium fluoride**

CAS No.	7789-23-3			
EINECS no.	232-151-5			
Concentration	>= 0,1	<	1	%
Classification (Regulation (EC) No. 1272/2008)				
	Acute Tox. 3		H301	
	Acute Tox. 3		H311	
	Acute Tox. 3		H331	
cATpE	oral		100	mg/kg
cATpE	dermal		300	mg/kg
cATpE	inhalative, Dust/Mist		0,5	mg/l

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## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

#### **General information**

In case of persistent symptoms consult doctor.

#### **After inhalation**

Ensure supply of fresh air. In the event of symptoms take medical treatment.

#### **After skin contact**

In case of contact with skin wash off with warm water. Consult a doctor if skin irritation persists.

#### **After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

#### **After ingestion**

Rinse out mouth and give plenty of water to drink.

#### **Adhere to personal protective measures when giving first aid**

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

### **4.3. Indication of any immediate medical attention and special treatment needed**

#### **Hints for the physician / hazards**

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Foam, Dry powder, Carbon dioxide, Water spray jet

### **5.3. Advice for firefighters**

#### **Special protective equipment for fire-fighting**

In case of combustion use a suitable breathing apparatus.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Avoid dust formation.

### **6.3. Methods and material for containment and cleaning up**

Pick up with absorbent material. Clean contaminated floors and objects thoroughly, observing environmental regulations. Dispose of as prescribed.

### **6.4. Reference to other sections**

Refer to protective measures listed in Sections 7 and 8.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Observe the usual precautions for handling chemicals.



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**Advice on protection against fire and explosion**

No special measures required.

**7.2. Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

Store product in closed containers.

**Hints on storage assembly**

Do not store together with foodstuffs.

**Storage classes**

Storage class according to TRGS 510      12                      Non-combustible liquids

**Further information on storage conditions**

Keep container tightly closed and dry.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Other information**

Contains no substances with occupational exposure limit values.

**8.2. Exposure controls**

**General protective and hygiene measures**

Observe the usual precautions for handling chemicals.

**Respiratory protection**

Not necessary, but do not inhale vapours. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

**Hand protection**

Gloves  
Appropriate Material                      neoprene

**Eye protection**

Safety glasses

**Body protection**

Clothing as usual in the chemical industry.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**Physical state**                                      liquid

**Melting point**  
Remarks    not determined

**Freezing point**  
Remarks    not determined

**Boiling point or initial boiling point and boiling range**  
Remarks    not determined

**Flammability**  
evaluation    not determined

**Upper and lower explosive limits**  
Remarks    not determined

**Flash point**

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Remarks Not applicable

**Ignition temperature**

Remarks not determined

**Decomposition temperature**

Remarks not determined

**pH value**

Remarks not determined

**Viscosity**

Remarks not determined

**Solubility(ies)**

Remarks not determined

**Partition coefficient n-octanol/water (log value)**

Remarks not determined

**Vapour pressure**

Remarks not determined

**Density and/or relative density**

Remarks not determined

**Relative vapour density**

Remarks not determined

**9.2. Other information****Odour threshold**

Remarks not determined

**Evaporation rate (ether = 1) :**

Remarks not determined

**Solubility in water**

Remarks not determined

**Explosive properties**

evaluation not determined

**Oxidising properties**

Remarks not determined

**Other information**

None known

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No hazardous reactions when stored and handled according to prescribed instructions.

**10.2. Chemical stability**

No hazardous reactions known.

**10.3. Possibility of hazardous reactions**

No hazardous reactions known.

**10.4. Conditions to avoid**

No hazardous reactions known.

**10.5. Incompatible materials**

None known

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## **SECTION 11: Toxicological information**

### **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

#### **Acute oral toxicity**

ATE	>	10.000	mg/kg
Method		calculated value (Regulation (EC) No. 1272/2008)	

#### **Acute dermal toxicity**

ATE	>	10.000	mg/kg
Method		calculated value (Regulation (EC) No. 1272/2008)	

#### **Acute inhalational toxicity**

ATE	>	20	mg/l
Administration/Form		Dust/Mist	
Method		calculated value (Regulation (EC) No. 1272/2008)	
Remarks		Based on available data, the classification criteria are not met.	

#### **Skin corrosion/irritation**

Remarks	Based on available data, the classification criteria are not met.		
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#### **Serious eye damage/irritation**

Remarks	Based on available data, the classification criteria are not met.		
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#### **Sensitization**

Remarks	Based on available data, the classification criteria are not met.		
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#### **Subacute, subchronic, chronic toxicity**

Remarks	not determined		
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#### **Mutagenicity**

Remarks	Based on available data, the classification criteria are not met.		
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#### **Reproductive toxicity**

Remarks	Based on available data, the classification criteria are not met.		
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#### **Carcinogenicity**

Remarks	Based on available data, the classification criteria are not met.		
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#### **Specific Target Organ Toxicity (STOT)**

##### **Single exposure**

Remarks	Based on available data, the classification criteria are not met.		
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##### **Repeated exposure**

Remarks	Based on available data, the classification criteria are not met.		
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#### **Aspiration hazard**

Based on available data, the classification criteria are not met.			
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### **11.2 Information on other hazards**

#### **Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

#### **Other information**

No toxicological data are available.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

#### **General information**

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not determined

## 12.2. Persistence and degradability

### General information

not determined

## 12.3. Bioaccumulative potential

### General information

not determined

### Partition coefficient n-octanol/water (log value)

Remarks not determined

## 12.4. Mobility in soil

### General information

not determined

## 12.5. Results of PBT and vPvB assessment

### General information

not determined

### Results of PBT and vPvB assessment

The product contains no PBT substances  
The product contains no vPvB substances.

## 12.6 Endocrine disrupting properties

### Endocrine disrupting properties with respect to the environment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

## 12.7. Other adverse effects

### General information

not determined

### General information / ecology

Do not discharge product unmonitored into the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations for the product

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

#### Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

## SECTION 14: Transport information

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	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number or ID number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
Label			
14.4. Packing group	-	-	-

## **SECTION 15: Regulatory information**

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **Other information**

The product does not contain substances according to: Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH).

### **15.2. Chemical safety assessment**

For this preparation a chemical safety assessment has not been carried out.

## **SECTION 16: Other information**

### **Hazard statements listed in Chapter 2/3**

H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H331	Toxic if inhaled.

### **CLP categories listed in Chapter 2/3**

Acute Tox. 3	Acute toxicity, Category 3
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### **Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.