


<b>GOLD LEAF AND METALLIC POWDERS</b>  <small>In The Family Of</small>  <b>NEUBERG</b> <small>IMPORTERS GROUP INC.</small>	<b>SAFETY DATA SHEET</b>		Page : 1 / 11
	<b>Bronze Powder</b>		Revision nr : 3
			Issue date : 09/03/2015
			Supersedes : 25/06/2013

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

### 1.1. Product identifier

Trade name/designation : Bronze Powder  
Product code : 6 (Fine Pale Gold)

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Main use category : Industrial uses, Professional use

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

Company : Distributed by:  
Gold Leaf and Metallic Powders  
  
6001 Santa Monica Boulevard  
Los Angeles, CA 90038 USA  
Telephone (800) 569-5323  
E-mail: info@glandmp.com  
Website: www.GLandMP.com

### 1.4. Emergency telephone number

Emergency telephone : +32 (0)475 38 36 83 (This telephone number is available 24 hours per day, 7 days per week.)

IRELAND (REPUBLIC OF)  
National Poisons Information Centre  
Beaumont Hospital  
+353 18 37 99 64/+353 1 809 21 66  
UNITED KINGDOM  
National Poisons Information Service  
(Newcastle Centre)  
0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)  
Regional Drugs and Therapeutics Centre,  
Wolfson Unit

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### 2.1.1. Classification according to Regulation (EU) 1272/2008

CLP-Classification : The product is classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

Aquatic Acute 1 H400

Aquatic Chronic 1 H410

Full text of H-phrases: see section 16


#### 2.1.2. Classification according to EU Directives 67/548/EEC or 1999/45/EC

Classification : This mixture is classified as hazardous according to 1999/45/EC.  
N; R50/53

Full text of R-phrases: see section 16

### 2.2. Label elements

#### 2.2.1. Labelling according to Regulation (EU) 1272/2008

<b>GOLD LEAF AND METALLIC POWDERS</b> <small>In The Family Of</small>  <b>NEUBERG</b> <small>IMPORTERS GROUP INC.</small>	<b>SAFETY DATA SHEET</b>		Page : 2 / 11
	<b>Bronze Powder</b>		Revision nr : 3
			Issue date : 09/03/2015
			Supersedes : 25/06/2013

Hazard pictograms :



GHS09

Signal word : Warning  
Hazard statements : H410 - Very toxic to aquatic life with long lasting effects.  
Precautionary statements : P273 - Avoid release to the environment.  
P391 - Collect spillage.  
P501 - Dispose of contents/ container to an approved waste disposal plant.

## 2.2.2. Labelling according to Directives (67/548 - 1999/45)

Not relevant

## 2.3. Other hazards

Other hazards : PBT/vPvB data  
Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Substance name	Product identifier	%	Classification according to Directive 67/548/EEC
copper	(CAS No.) 7440-50-8 (EC No) 231-159-6 (REACH-no) 01-2119480154-42-XXXX	70 - 90	N; R50 R53
Zinc powder - zinc dust (stabilized)	(CAS No.) 7440-66-6 (EC No) 231-175-3 (EC Index) 030-002-00-7 (REACH-no) 01-2119467174-37-XXXX	10 - 30	N; R50/53

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
copper	(CAS No.) 7440-50-8 (EC No) 231-159-6 (REACH-no) 01-2119480154-42-XXXX	70 - 90	Aquatic Acute 1, H400 (M=10) Aquatic Chronic 3, H412
Zinc powder - zinc dust (stabilized)	(CAS No.) 7440-66-6 (EC No) 231-175-3 (EC Index) 030-002-00-7 (REACH-no) 01-2119467174-37-XXXX	10 - 30	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of R- and H-phrases: see section 16

## SECTION 4: First aid measures


### 4.1. Description of first aid measures

Inhalation : Provide fresh air.  
When in doubt or if symptoms are observed, get medical advice.

Skin contact : No hazards which require special first aid measures.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
If symptoms persist, call a physician.

In case of ingestion : When in doubt or if symptoms are observed, get medical advice.

	<b>SAFETY DATA SHEET</b>		Page : 3 / 11
			Revision nr : 3
	<b>Bronze Powder</b>		Issue date : 09/03/2015
			Supersedes : 25/06/2013

Additional advice : Treat symptomatically.  
See also section 8  
First aider: Pay attention to self-protection!  
When in doubt or if symptoms are observed, get medical advice.

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

Inhalation : Repeated or prolonged exposure: (dust) : May cause respiratory impairment and lung damage.  
Skin contact : No adverse effects are expected.  
Eye contact : Dust contact with the eyes can lead to mechanical irritation.  
Ingestion : May be irritating.  
Other adverse effects : none.

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

No data available

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

Suitable extinguishing media : Foam, ABC-powder, Carbon dioxide, Dry sand  
Extinguishing media which must not be used : Water  
for safety reasons:

#### **5.2. Special hazards arising from the substance or mixture**

Fire hazard : Non-flammable.  
Specific hazards : Hazardous decomposition products  
metal oxides  
Do not allow run-off from fire-fighting to enter drains or water courses.  
Dispose according to legislation.

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

Advice for firefighters : Special protective equipment for firefighters.  
In case of fire: Wear self-contained breathing apparatus.

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

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


For non-emergency personnel : Evacuate area.  
Prevent unauthorised persons entering the zone.  
Provide adequate ventilation.  
Use personal protective equipment as required.  
Personal protection equipment: see section 8  
Avoid generation of dust.  
For emergency responders : Ensure procedures and training for emergency decontamination and disposal are in place.  
Personal protection equipment: see section 8.

#### **6.2. Environmental precautions**

Environmental precautions : Do not allow to enter into surface water or drains.

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

Methods for cleaning up : Stop leak if safe to do so.  
Dam up.  
Take up mechanically.  
Do not rinse down with water. /  
Water (with cleaning agent)  
Dispose according to legislation.

<b>GOLD LEAF AND METALLIC POWDERS</b>  <small>In The Family Of</small>  <b>NEUBERG</b> <small>IMPORTERS GROUP INC.</small>	<b>SAFETY DATA SHEET</b>		Page : 4 / 11
	<b>Bronze Powder</b>		Revision nr : 3
			Issue date : 09/03/2015
			Supersedes : 25/06/2013

#### 6.4. Reference to other sections

Personal protection equipment: see section 8

Disposal: see section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- |   |   |  |
|---|---|--|
| Handling                                | : | Provide adequate ventilation.<br>Use personal protective equipment as required.<br>Avoid contact with skin, eyes and clothes.<br>Personal protection equipment: see section 8<br>Avoid generation of dust.<br>Take any precaution to avoid mixing with incompatible materials.<br>See also section 10<br>Do not allow to enter into surface water or drains. |
| Advices on general occupational hygiene | : | Keep good industrial hygiene.<br>When using do not eat, drink or smoke.<br>Wash hands before breaks and immediately after using the product.<br>Take off contaminated clothing.  |

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

- |                     |   |   |
|---------------------|---|---|
| Storage             | : | Keep containers tightly closed in a dry, cool and well-ventilated place.<br>Do not store near or with any of the incompatible materials listed in section 10.<br>Protect against water. /<br>Humidity |
| Packaging materials | : | Keep/Store only in original container.  |

#### 7.3 Specific end use(s)


No data available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Exposure limit values :


<b>copper (7440-50-8)</b>		
Austria	MAK (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup> (inhalable fraction) 0,1 mg/m <sup>3</sup> (respirable fraction, smoke)
Austria	MAK Short time value (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup> (inhalable fraction) 0,4 mg/m <sup>3</sup> (respirable fraction, smoke)
Belgium	Limit value (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup> (fume) 1 mg/m <sup>3</sup> (dust and mist)
Bulgaria	OEL TWA (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup> (metal vapor)
Croatia	GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup> (fume) 1 mg/m <sup>3</sup> (dust)
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (dust and fumes)
France	VLE (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (dust)
France	VME (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup> (fume) 1 mg/m <sup>3</sup> (dust)
Greece	OEL TWA (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup> (fume) 1 mg/m <sup>3</sup> (dust)
Greece	OEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (dust)
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup> (fume)

<b>GOLD LEAF AND METALLIC POWDERS</b>  <small>In The Family Of</small>  <b>NEUBERG</b> <small>IMPORTERS GROUP INC.</small>	<b>SAFETY DATA SHEET</b>		Page : 5 / 11
	<b>Bronze Powder</b>		Revision nr : 3
			Issue date : 09/03/2015
			Supersedes : 25/06/2013

<b>copper (7440-50-8)</b>		
Latvia	OEL TWA (mg/m <sup>3</sup> )	0,5 mg/m <sup>3</sup>
Spain	VLA-ED (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup> (fume) 1 mg/m <sup>3</sup> (dust and mist)
Switzerland	VLE (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup> (inhalable)
Switzerland	VME (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup> (inhalable)
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup> (inhalable fraction)
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup> (dust and mists) 0,2 mg/m <sup>3</sup> (fume)
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	0,6 mg/m <sup>3</sup> (calculated-fume) 2 mg/m <sup>3</sup> (dust and mist)
Czech Republic	Expoziční limity (PEL) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup> (dust) 0,1 mg/m <sup>3</sup> (fume)
Denmark	Grænseværdie (langvarig) (mg/m <sup>3</sup> )	1,0 mg/m <sup>3</sup> (dust and powder) 0,1 mg/m <sup>3</sup> (fume)
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup> 0,1 mg/m <sup>3</sup> (respirable dust and fume)
Hungary	AK-érték	1 mg/m <sup>3</sup> 0,1 mg/m <sup>3</sup> (fume)
Hungary	CK-érték	4 mg/m <sup>3</sup> 0,4 mg/m <sup>3</sup> (fume)
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup> (fume) 1 mg/m <sup>3</sup> (dust and mist)
Ireland	OEL (15 min ref) (mg/m <sup>3</sup> )	0,6 mg/m <sup>3</sup> (calculated-fume) 2 mg/m <sup>3</sup> (dust and mist)
Lithuania	IPRV (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup> (inhalable fraction) 0,2 mg/m <sup>3</sup> (respirable fraction)
Norway	Gjennomsnittsverdier (AN) (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup> (fume) 1 mg/m <sup>3</sup> (dust)
Norway	Gjennomsnittsverdier (Kortidsverdi) (mg/m <sup>3</sup> )	0,3 mg/m <sup>3</sup> (fume) 3 mg/m <sup>3</sup> (dust)
Poland	NDS (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup>
Romania	OEL TWA (mg/m <sup>3</sup> )	0,50 mg/m <sup>3</sup> (powder)
Romania	OEL STEL (mg/m <sup>3</sup> )	0,20 mg/m <sup>3</sup> (fume) 1,50 mg/m <sup>3</sup> (dust)
Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup> (dust) 0,1 mg/m <sup>3</sup> (fume)
Slovakia	NPHV (Hraničná) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (dust) 0,2 mg/m <sup>3</sup> (fume)
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup> (total dust) 0,2 mg/m <sup>3</sup> (respirable dust)

<b>Zinc powder - zinc dust (stabilized) (7440-66-6)</b>		
Switzerland	VLE (mg/m <sup>3</sup> )	0,4 mg/m <sup>3</sup> (respirable)
Switzerland	VME (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup> (respirable) 2 mg/m <sup>3</sup> (inhalable)

Recommended monitoring procedures : Concentration measurement in air  
Personal air monitoring

<b>GOLD LEAF AND METALLIC POWDERS</b>  <small>In The Family Of</small>  <b>NEUBERG</b> <small>IMPORTERS GROUP INC.</small>	<b>SAFETY DATA SHEET</b>		Page : 6 / 11
	<b>Bronze Powder</b>		Revision nr : 3
			Issue date : 09/03/2015
			Supersedes : 25/06/2013


## 8.2. Exposure controls

Personal protection equipment	: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. : dust
Respiratory protection	: Use appropriate respiratory protection. Effective dust mask. (EN 149) Respirator with a particle filter (EN 143) : Full face mask (EN 136) Half-face mask (DIN EN 140) Filter type: P1
Hand protection	: Wear gloves in accordance with EN 388 as a protection against mechanical risks., The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves.
Eye protection	: Wear eye glasses with side protection according to EN 166.
Body protection	: No special protective equipment required.
Thermal hazard protection	: Use dedicated equipment. Not required under normal use.
Engineering control measures	: Use only in area provided with appropriate exhaust ventilation. Organisational measures to prevent/limit releases, dispersion and exposure See also section 7
Environmental exposure controls	: Do not allow to enter into surface water or drains. Comply with applicable Community environmental protection legislation.

## SECTION 9: Physical and chemical properties

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

Appearance	: Powder
Colour	: gold
Odour	: odourless
Odour threshold:	: No data available
Odour threshold:	: No data available
pH	: Not applicable
Melting point/freezing point	: 850 °C
Initial boiling point and boiling range	: No data available
Flash point	: Not applicable
Evaporation rate	: No data available
Flammability (solid, gas)	: Non-flammable.
Upper/lower flammability or explosive limits	: No data available
Vapour pressure	: No data available
Vapour density	: No data available
Density	: 7,14 - 8,96 g/cm <sup>3</sup> @ 20 °C
Relative density	: No data available
Water solubility	: Insoluble
Solubility in different media	: No data available
Partition coefficient n-octanol/water	: Not applicable

<b>GOLD LEAF AND METALLIC POWDERS</b> <small>In The Family Of</small>  <b>NEUBERG</b> <small>IMPORTERS GROUP INC.</small>	<b>SAFETY DATA SHEET</b>		Page : 7 / 11
	<b>Bronze Powder</b>		Revision nr : 3
			Issue date : 09/03/2015
			Supersedes : 25/06/2013

Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity	: Not applicable
Explosive properties	: Not applicable The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Oxidising properties	: Not applicable The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties.

## 9.2. Other information

Other information	: (Apparent) Density : 0.6 - 1.4 g/cm <sup>3</sup> @ 20 °C
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	: None under normal processing. Reference to other sections: 10.5
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### 10.2. Chemical stability

Stability	: The product is stable under storage at normal ambient temperatures.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	: Reference to other sections: 10.4
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### 10.4. Conditions to avoid

Conditions to avoid	: Remove all sources of ignition. See also section 7
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### 10.5. Incompatible materials

Incompatible materials	: Acids and bases ., Oxidising substances ., Halogens ., Halogenated compounds .
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### 10.6. Hazardous decomposition products

Hazardous decomposition products	: metal oxides
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: Not classified (Based on available data, the classification criteria are not met.)
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Zinc powder - zinc dust (stabilized) (7440-66-6)	
LD50/oral/rat	> 2000 mg/kg
LC50/inhalation/4h/rat	> 5410 mg/m <sup>3</sup>

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met.) pH: Not applicable
Serious eye damage/eye irritation	: Not classified (Based on available data, the classification criteria are not met.) pH: Not applicable
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met.)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met.)

<b>GOLD LEAF AND METALLIC POWDERS</b>  <small>In The Family Of</small>  <b>NEUBERG</b> <small>IMPORTERS GROUP INC.</small>	<b>SAFETY DATA SHEET</b>		Page : 8 / 11
	<b>Bronze Powder</b>		Revision nr : 3
			Issue date : 09/03/2015
			Supersedes : 25/06/2013

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met.)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met.)

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met.)

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met.)

<b>Zinc powder - zinc dust (stabilized) (7440-66-6)</b>	
NOAEL (oral, rat, 90 days)	31,52 mg/kg bodyweight/day

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met.)

#### Other information

Symptoms related to the physical, chemical and toxicological characteristics, Reference to other sections: 4.2

## SECTION 12: Ecological information

### 12.1. Toxicity

Toxicity : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

<b>copper (7440-50-8)</b>	
LC50 fish 1	0,0068 - 0,0156 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 Daphnia 1	0,03 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	< 0,3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 72h algae [mg/l] (1)	0,0426 - 0,0535 mg/l (Species: Pseudokirchneriella subcapitata [static])
EC50 96h algae [mg/l] (1)	0,031 - 0,054 mg/l (Species: Pseudokirchneriella subcapitata [static])

<b>Zinc powder - zinc dust (stabilized) (7440-66-6)</b>	
LC50 fish 1	439 µg/l
EC50 Daphnia 1	1833 - 2909 µg/l
EC50 72h algae [mg/l] (1)	0,09 - 0,125 mg/l (Species: Pseudokirchneriella subcapitata [static])
EC50 96h algae [mg/l] (1)	0,11 - 0,271 mg/l (Species: Pseudokirchneriella subcapitata [static])
NOEC chronic fish	30 d 169 µg/L
NOEC chronic crustacea	25 - 50 µg/L
Additional information	EC10, algae: 2.5 - 48 µg/L NOEC, Chronic Toxicity to aquatic plants: 60 µg/L EC50, microorganisms: 5.2 mg/l NOEC, aquatic organisms: 10 - 15 µg/L LOEC, aquatic organisms: 10 - 15 µg/L


### 12.2. Persistence and degradability

Persistence and degradability : Not applicable

### 12.3. Bioaccumulative potential

Bioaccumulation : No data available

Partition coefficient n-octanol/water : Not applicable

<b>GOLD LEAF AND METALLIC POWDERS</b>  <small>In The Family Of</small>  <b>NEUBERG</b> <small>IMPORTERS GROUP INC.</small>	<b>SAFETY DATA SHEET</b>		Page : 9 / 11
	<b>Bronze Powder</b>		Revision nr : 3
			Issue date : 09/03/2015
			Supersedes : 25/06/2013

#### **12.4. Mobility in soil**

Mobility : No data available

#### **12.5. Results of PBT and vPvB assessment**

PBT/vPvB data : PBT/vPvB data :  
Not applicable

#### **12.6. Other adverse effects**

Other information :

### **SECTION 13: Disposal considerations**

#### **13.1. Waste treatment methods**

Product waste: : Do not dispose of together with household waste.  
If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging : Delivery to an approved waste disposal company.

Further ecological information : Do not allow to enter into surface water or drains.

List of proposed waste codes/waste designations in accordance with EWC : Classified as hazardous waste according to European Union regulations.  
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

### **SECTION 14: Transport information**

#### **14.1. UN number**

UN number : 3077

#### **14.2. UN proper shipping name**

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Copper () Zinc ())

Proper shipping name IATA/IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Copper () Zinc ())

#### **14.3. Transport hazard class(es)**

##### **14.3.1. Overland transport**

ADR/RID : tunnel restriction code : E

Class(es) : 9 - Miscellaneous dangerous substances and articles

Hazard identification number (Kemler No.) : 90

Classification code : M7

ADR/RID-Labels : 9 - Miscellaneous dangerous substances and articles



##### **14.3.2. Inland waterway transport (ADN)**

Class (UN) : 9

##### **14.3.3. Transport by sea**


Class or Division : 9 - Miscellaneous dangerous substances and articles

##### **14.3.4. Air transport**

Class or Division : 9 - Miscellaneous dangerous substances and articles

#### **14.4. Packing group**

Packing group : III

<b>GOLD LEAF AND METALLIC POWDERS</b> <small>In The Family Of</small>  <b>NEUBERG</b> <small>IMPORTERS GROUP INC.</small>	<b>SAFETY DATA SHEET</b>		Page : 10 / 11
	<b>Bronze Powder</b>		Revision nr : 3
			Issue date : 09/03/2015
			Supersedes : 25/06/2013

#### **14.5. Environmental hazards**

Environmental hazards : N



Other information : Not applicable.

#### **14.6 Special precautions for user**

Special precautions for user : Not applicable.

#### **14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Code: IBC : Not applicable.

### **SECTION 15: Regulatory information**

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

##### **15.1.1. EU-Regulations**

Restrictions on use : Not applicable

This product contains an ingredient according to the candidate list of Annex XIV of the REACH Regulation 1907/2006/EC.

: none

Authorisations : Not applicable

##### **15.1.2. National regulations**

DE : WGK : 2

DE : TA-Luft : Total dust

DE : Technische Regeln für Gefahrstoffe (TRGS) : applicable

FR : Installations classées : 117X

NL : ABM : 4 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. (A)

NL : NeR (Nederlandse emissie Richtlijn) : Inorganic substances in powdered form


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

Chemical Safety Assessment : For this substance a chemical safety assessment has been carried out.  
Copper  
Zinc

### **SECTION 16: Other information**

Full text of R-, H- and EUH-phrases:

Aquatic Acute 1	: Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	: Hazardous to the aquatic environment - chronic hazard category 1
Aquatic Chronic 3	: Hazardous to the aquatic environment - chronic hazard category 3
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.
H412	: Harmful to aquatic life with long lasting effects.
R50	: Very toxic to aquatic organisms.
R50/53	: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53	: May cause long-term adverse effects in the aquatic environment.
N	: Dangerous for the environment

<b>GOLD LEAF AND METALLIC POWDERS</b>  <small>In The Family Of</small>  <b>NEUBERG</b> <small>IMPORTERS GROUP INC.</small>	<b>SAFETY DATA SHEET</b>		Page : 11 / 11
	<b>Bronze Powder</b>		Revision nr : 3
			Issue date : 09/03/2015
			Supersedes : 25/06/2013

Key literature references and sources : European Metal Particulate Association (EMPA)  
for data

Abbreviations and acronyms : ADN = Accord Européen relatif au Transport International des Marchandises  
Dangereuses par voie de Navigation du Rhin  
ADR = Accord européen relatif au transport international des marchandises  
Dangereuses par Route  
CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC  
IATA = International Air Transport Association  
IMDG = International Maritime Dangerous Goods Code  
LEL = Lower Explosive Limit/Lower Explosion Limit  
UEL = Upper Explosion Limit/Upper Explosive Limit  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
TWA = time weighted average  
STEL = Short term exposure limit  
PBT = persistent, bioaccumulating and toxic (PBT).  
vPvB = very persistent and very bioaccumulating  
EWC = European Waste Catalogue  
NA = Not applicable

The contents and format of this SDS are in accordance with EEC Commission Directive 1999/45/EC, 67/548/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

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