

Safety data sheet
According to Regulation n. 1907/2006 and Regulation 830/2015
PURE PT IN POWDER FORM 999,5%



Revision n. IV del 01.22.2019
 Replace revision n III del 06.01.2015

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING

1.1 Product Identifier

Chemical name Platinum
 C.A.S. Registry Number 7440-06-4
 EINECS number 231-116-1
 Molecular weight 195,084
 Chemical Formula Pt

1.2 Pertinent use of the substance and recommended use

Industrial sector : goldsmith/silversmith- galvanic- catalyzers
 Type of employment : industrial
 Application : professional

1.3 Informations about the furniture of the safety data sheet

Name FAGGI ENRICO S.P.A.
 Address Via Majorana, 101/103 50019 Sesto Fiorentino FI
 Telephone number 055311861
 Fax number 055311791
 Competent person responsible for
 the safety data sheet lorenzo.magaldi@faggi.it

1.4 Emergency telephone number Tel 0557947819 Centro antiveleni di Firenze

1.5 Registration number

For this product is not necessary a registration number

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance in accordance with Regulation (CE) n. 1272/2008: **Not dangerous**

2.2 Label elements: **not applicable**

Futher Informations: none
 Results of PBT e vPvB **PBT** : not applicable
vPvB : not applicable

3. Composition/information on ingredients

3.1 Substance: Platinum

CAS number 7440-06-4
 EINECS number 231-116-1

4. FIRST-AID MEASURES

4.1 Description of the first-aid measures

Inalation: not applicable
 Ingestion: not applicable
 Skin contact: not applicable
 Eye contact: not applicable

Recommendations :

- **Need for immediate medical attention** NO
- **Possibility of delayed effects subsequent the exposition** NO
- **Move the exposed individual from the area to fresh air** NO
- **Remove clothes and shoes from the individual** NO
- **Modality of manipulation of contaminated garments** NONE
- **For lenders of first aid, wear the DPI** NO

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- 4.2 Main symptoms and effects both acute and delayed**
NONE
- 4.3 Indication of the possible urgency to consult immediately a doctor or of special treatments**
NONE
- 5. FIRE FIGHTING MEASURES**
- 5.1 Extinguishing media**
Suitable extinguishing media CO2 extinguishers, dust or water spray
Unsuitable extinguishing media Do not use water on molten metal to the danger of violent steam development.
- 5.2 Special hazards arising from the substance or the mixture**
Not easily flammable. Possible explosion of the dust.
- 5.3 Special recommendations for firefighters**
Normal garments for firefighting, as an air breathing apparatus (ref. standard EN 137) or fresh air hose breathing, protective clothing for welding (EN 469), flame resistant gloves (EN659) and fireman's boots (HOA29 or A30)
- 6. ACCIDENTAL RELEASE MEASURES**
- 6.1 Personal precautions, protective equipment and emergency procedures**
- 6.1.1 For non-emergency personnel**
None
- 6.1.2 For emergency responders**
In solid form, the material does not present problems of spillage.
- 6.2 Environmental precautions**
None
- 6.3 Methods and materials for containment and clean-up**
- 6.3.1 Raccomandazioni sulle modalità di contenimento di una fuoriuscita**
None
- 6.3.2 Recommendations about the methods of containment of a spill**
None
- 6.3.3 Any other informations**
None
- 6.4 Reference to other sections**
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- 7. HANDLING AND STORAGE**
- 7.1. Precautions for safe handling**
- 7.1.1 Recommendations that allow safe handling of the substance or mixture, such as containment and measures to prevent fine as well as aerosol and dust generation**
Avoid generation of dusts.
- 7.1.2 Advice on general occupational hygiene**
Do not eat, drink or smoke in designated work areas. Wash hands after handling. To remove contaminated clothing and protective equipment before entering eating areas.
- 7.2. Conditions for safe storage, including any incompatibilities**
- 7.2.1 Risk management decisions arising from explosive atmospheres, corrosive conditions, flammability hazards, incompatible materials, evaporative conditions, potential ignition sources**
Avoid generation of dusts
- 7.2.3 Containment of the effects of weather conditions, pressure, temperature, sunlight,**

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humidity and vibrations luce solare, umidità e vibrazioni

None

7.2.4. Conditions to maintain the integrity of the substance or mixture

None

7.2.5. Decisions about ventilation requirements, specific design for storage rooms or vessels, quantitative limits in storage conditions, compatibility of the packaging

7.3. Specific end use

None

8. EXPOSURE CONTROL/ INDIVIDUAL PROTECTION

8.1. Controller parameters

None

8.2. Exposure controls

8.2.1. Appropriate engineering controls

None

8.2.2. Individual measures, such as personal protective equipment

Eye/face protection Not necessary

Skin protection (hands) Not necessary

Skin protection (body) Not necessary

Respiratory protection Use a dust-protection mask with P3 filters if during the use are generated dusts

Thermal hazards None

8.2.3. Environmental exposure controls

None

9. PROPERTIES (PHYSICAL/CHEMICAL)

9.1 Informations about the main physical and chemical properties

Aspect	gray powder
Odour	odourless
Odour threshold	Not applicable
pH	Not applicable
Melting point/freezing point and boiling range	1768,2° C 3825° C
Flashpoint	Not flammable
Evaporation rate	Not applicable
Flammability solids/gases	Not flammable
Upper/lower flammability	Study not scientifically justified
Vapour pressure	Not applicable
Vapour density	Study not scientifically justified
Relative density	21.4 g/cm ³ at 20°C
Solubility/Solubilities	Study not scientifically justified
The log octanol/water partition coefficient	Study not scientifically justified
Auto-ignition temperature	Study not scientifically justified
Decomposition temperature	Study not scientifically justified
Viscosity	Study not scientifically justified
Explosive properties	Non esplosivo
Oxidising properties	Non ossidante

9.2. Other informations (miscibility, solubility, fat solubility, conductivity, redox)

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	potential, radical formation potential and photocatalytic properties)	
	None	
10.	STABILITY AND REACTIVITY	
10.1	Reactivity	
	No relevant information is available	
10.2	Chemical stability	
	The substance is stable	
10.3	Possibility of hazardous reactions possibilità di reazioni pericolose	
	Platinum is a catalytic substance and may cause reaction in contact with a large number of organic and inorganic substances with danger of fire and explosion.	
10.4	Conditions to avoid	
	Formation of dusts	
10.5	Incompatible materials	
	selenium and selenium fluorides	
10.6	Hazardous decomposition products	
	None	
11.	TOXICOLOGICAL INFORMATION	
11.1	Informations about toxicological effects	
	Acute toxicity	Non-toxic
	Skin corrosion/irritation	Non-corrosive
	Serious eye damage/irritation	Non irritating
	Respiratory or skin sensitisation	Not sensitizing
	Germ cell mutagenicity	Not mutagenic
	Carcinogenity	Not carcinogenic
	Reproductive toxicity	Non-toxic
	STOT-single exposure	Not applicable
	STOT-repeated exposure	Not applicable
	Aspiration hazard	Inhalation of dust may cause irritation of the mucous membranes
11.2	Specific target organ toxicity	
	None	
11.3	Symptoms related to the physical, chemical and toxicological characteristic	
	None	
11.4.	Delayed, immediate and chronic effects from short and long term exposure	
	None	
11.5.	Interactive effects	
	None	
11.6.	In the absence of specific data	
	None	
11.7.	Other informations	
	None	
12.	ECOLOGICAL INFORMATIONS	
	Toxicity	Non-toxic for aquatic organisms
	Persistence and degradability	Not applicable
	Bioaccumulation potential	Not applicable
	Mobility in soil	Not applicable

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	Results of PBT e vPvB	Not applicable
	Other adverse effects	Not applicable
13.	DISPOSAL CONSIDERATIONS	
	13.1. Waste treatment methods	
	The product can be collected	
14.	TRANSPORT INFORMATIONS	
	ONU Number	Not applicable
	Name	Not applicable
	Transport hazard class	Not applicable
	Packing group	Not applicable
	Environmental hazards	Not applicable
	Special precautions for user	Not applicable
15.	REGULATORY INFORMATION	
	15.1 Legislation	Applicability
	<i>Reg. (CE) 1907/2006/CE Reach</i>	YES
	<i>Reg. (CE) 1272/2008 CLP and subsequent amendments and addenda</i>	YES
	<i>Reg. (CE) 2037/2000 "Substances that deplete the ozone layer"</i>	NO
	<i>Reg. (CE) 850/2004 "The persistent organic pollutants"</i>	NO
	<i>Reg. (CE) 689/2008 "esportazione e importazione sostanze chimiche pericolose"</i>	NO
	<i>"The export and import of dangerous chemicals" NO</i>	NO
	<i>Substance listed in Annex I 2012/18/UE cd Seveso</i>	
	<i>D.lgs 81/2008 Uniform Occupational Health and Safety Code</i>	NO
	<i>Directive 2014/103/UE "Adr"</i>	NO
	15.2 Chemical Safety Assessment	
	A chemical safety assessment has not been carried out	
16.	OTHER INFORMATIONS	
	16.1 Changes as compared to the previous version	
	Modified section 1	
	16.2 Legend to abbreviations and acronyms	
	ADR: European Agreement on the international carriage of goods by road	
	GHS: Globally Harmonised System of Classification and Labelling	
	EINECS: European Inventory of Existing Commercial Chemical Substances	
	CAS: Chemical Abstract Service	
	16.3 Bibliographical references and data sources	
	ECHA substance data bank:	
	http://echa.europa.eu/web/guest/information-on-chemicals/registered-substances	
	Platform ESIS	
	http://esis.jrc.ec.europa.eu	
	16.5. Advice on any training appropriate for workers to ensure protection of human health and the environment	
	• Training sessions on DPI	
	16.6. Other informations	
	Not available.	