

Safety information sheet

Pure Pt 999.5 ‰

Revision n. VI of 2021.09.28

Replaces revision n. V of 2019.10.04

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

1.1 Identificatore del prodotto

Chemical name	PLATINUM
C.A.S. Registry Number	7440-06-4
EINECS number	195,084 g/mol
Molecular weight	Pt
Brute formula	23

1.2 Relevant identified uses of the substance and uses advised against

Industrial sector: silversmith - galvanic - catalysts
Type of use: industrial
No use advised against in particular

1.3 Information on the supplier of the safety data sheet

First name	FAGGI ENRICO S.P.A.
Street 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 Ph 0557947819 Poison Control Center of Florence

1.5 Registration number

01-2120733612-61-XXXX

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance according to Regulation (EC) no. 1272/2008: Not dangerous

2.2 Label elements: not applicable

2.3 Other dangers None.

• Results of PBT and vPvB assessment	PBT: not applicable vPvB: not applicable
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3. COMPOSITION INFORMATION ON INGREDIENTS

3.1 Substance:

Numero CAS	7440-22-4
Numero EINECS	231-131-3
CE Number	-
IUPAC Number	-

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: Not applicable

Ingestion: Not applicable

Skin contact: Not applicable

Contact with eyes: Not applicable

RECOMMENDATIONS:

• Need to see a doctor immediately

NO

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- **Possibility of delayed effects following exposure** NO
 - **Move the exposed individual from the place of exposure to open air** NO
 - **Remove clothing and shoes of the exposed individual** NO
 - **How to handle contaminated clothing** NONE
 - **For those providing first aid, wear PPE** NO
- 4.2 Most important symptoms and effects, both acute and delayed**
None
- 4.3 Indication of any need to immediately consult a doctor and special treatments**
None
- 5. FIRE FIGHTING MEASURES**
- 5.1 Fire fighting**
Suitable extinguishing media CO₂, powder or water spray extinguishers.
Unsuitable extinguishing media Do not use water on the molten metal due to the danger of violent development of steam.
- 5.2 Special hazards arising from the substance or mixture**
Do not use water on the molten metal due to the danger of violent development of steam.
- 5.3 Special recommendations for firefighters**
Normal firefighting clothing, such as self-contained open-circuit compressed air breathing apparatus (EN137), flame retardant suit (EN469), flame retardant gloves (EN659) and firefighter boots (HOA29 or A30)
- 6. ACCIDENTAL RELEASE MEASURES**
- 6.1 Personal precautions, protective equipment and emergency procedures**
- 6.1.1 For those who do not intervene directly**
None
- 6.1.2 For those who intervene directly**
In solid form, the material does not present any spillage problems.
- 6.2 Environmental precautions**
None
- 6.3 Methods and materials for containment and cleaning up**
- 6.3.1 Recommendations on how to contain a spill**
None
- 6.3.2 Recommendations on how to clean up a spill**
None
- 6.3.3 Any other information**
None
- 6.4 References to other sections**
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- 7. HANDLING AND STORAGE**
- 7.1 Precautions for Safe Handling**
- 7.1.1 Recommendations that allow the substance or mixture to be handled safely, such as containment and prevention measures for fires and for the formation of aerosols and dusts**
Avoid the formation of dust.
- 7.1.2 Generic recommendations on occupational hygiene**
Do not eat, drink and smoke in work areas. Wash your hands after use. Remove contaminated clothing and protective equipment before entering eating areas
- 7.2 Conditions for safe storage, including any incompatibilities**

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7.2.1. Management of risks associated with explosive atmospheres, corrosive conditions, flammability hazards, incompatible substances and mixtures, evaporation conditions, potential sources of ignition

Avoid the formation of dust.

7.2.3. Containment of the effects of weather conditions, pressure, temperature, sunlight, humidity and vibrations

None

7.2.4. Conditions for keeping substances / mixtures intact

None

7.2.5. Provisions relating to ventilation, specific design of storage rooms or containers, quantitative limits in storage conditions, compatibility of packaging

7.3. Specific end uses

Industrial use

8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1. Control parameters

None

8.2. Exposure controls

8.2.1. Appropriate technical controls

None

8.2.2. Individual protection measures, such as personal protective equipment

Eye / face protection Not necessary

Skin protection (hands) Not necessary

Skin (body) protection Not necessary

Limb protection Use safety shoes with toecaps compliant with EN ISO 20345: 2011

Respiratory protection Use a dust mask with P3 filters if dust is generated during use

Thermal hazards None

8.2.3. Environmental exposure controls

None

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance Solid

Smell Odorless

Odor threshold Not applicable

pH Not applicable

Melting point / freezing point 1768.2 ° C

Initial boiling point and boiling range 3825 ° C

Flash point Not inflammable

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Evaporation rate	Not applicable
Flammability (solid, gas)	Not inflammable
Upper / lower flammability or explosive limits	Scientifically not justified studies
Vapor pressure	Not applicable
Vapor density	Scientifically not justified studies
Relative density (in solid form)	21.4 g / cm ³ at 20 ° C
The solubility (ies)	Scientifically not justified studies
Partition coefficient n-octanol / water	Scientifically not justified studies
Self-ignition temperature	Scientifically not justified studies
Decomposition temperature	Scientifically not justified studies
Viscosity	Scientifically not justified studies
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing

9.2. Other information (miscibility, solubility, fat solubility, conductivity, redox potential, radical formation potential and photocatalytic properties)

10. STABILITY AND REACTIVITY'

10.1 Reactivity

No specific test data related to the reactivity of this product or its ingredients are available.

10.2 Chemical stability

The material is stable

10.3 Possibility of hazardous reactions

Platinum is a catalytic substance and can cause reaction in contact with a large number of organic and inorganic substances with the danger of fire and explosion.

10.4 Conditions to avoid

Formation of dust

10.5 Incompatible materials

Selenium and selenium fluoride

10.6 Hazardous decomposition products

None

11. TOXICOLOGICAL INFORMATION

11.1 Information on the hazard classes defined in Regulation (EC) No. 1272/2008

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	Acute toxicity	Not toxic
	Skin corrosion / irritation	Not corrosive
	Serious eye damage / eye irritation	Not corrosive
	Respiratory or skin sensitization	Not sensitizing
	Germ cell mutagenicity	Not mutagenic
	Carcinogenicity	Not carcinogenic
	Reproductive toxicity	Not toxic
	Specific target organ toxicity (STOT) single exposure	Not applicable
	Specific target organ toxicity (STOT) repeated exposure	Not applicable
	Aspiration hazard	It can irritate the mucous membranes in case of inhalation of dust
11.2	Information on other hazards	
	None	
12.	INFORMAZIONI ECOLOGICHE	
12.1	Toxicity	The metal platinum is not toxic to aquatic organisms
12.2	Persistence and degradability	Not applicable
12.3	Bioaccumulation potential	Not applicable
12.4	Mobility in soil	Not applicable
12.5	Results of PBT and vPvB assessment	Not applicable
12.6	Properties of interference with the endocrine system	
12.7	Other adverse effects	Not applicable
13.	DISPOSAL CONSIDERATIONS	
13.1.	Waste treatment methods	
	The product can be recovered	
14.	INFORMAZIONI ON TRASPORTO	
14.1	UN number or ID number	Not applicable
14.2	UN proper shipping name	Not applicable
14.3	Transport hazard class	Not applicable
14.4	Packing group	Not applicable
14.5	Environmental hazards	Not applicable
14.6	Special precautions for users	Not applicable
14.7	Bulk sea transport in accordance with IMO acts	

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15.	REGULATORY INFORMATION	
	15.1 Health, safety and environmental legislation and regulations specific to the substance or mixture	Applicability
	Reg. (EC) 1907/2006 / EC Reach	YES
	Reg. (EC) 1272/2008 CLP and following changes and additions	YES
	Reg. (CE) 2037/2000 "Substances that deplete the ozone layer"	NO
	Reg. (EC) 850/2004 "Persistent organic pollutants"	NO
	Reg. (EC) 689/2008 "export and import of dangerous chemicals"	NO
	Substance listed in Annex I of Dir. 2012/18 / EU so-called Seveso	NO
	Legislative Decree 81/2008 Consolidated Law on health and safety at work	NO
	Directive 2014/103 / EU "Adr"	NO
	15.2 Chemical safety assessment	
	A chemical safety assessment was not carried out	
16.	OTHER INFORMATION	
	Changes compared to previous edition	
	Amendment to section 1	
	Key to abbreviations and acronyms	
	ADR: European agreement concerning the international transport of dangerous goods by road	
	GHS: Globally Harmonized System of Classification and Labeling of Substances	
	EINECS: European Inventory of Chemical Substances	
	CAS: Chemical Abstract Service	
	Main bibliographic references and data sources	
	ECHA database on registered substances and those under registration: http://echa.europa.eu/web/guest/information-on-chemicals/registered-substances	
	Adequate training for workers in order to ensure the protection of human health and the environment	
	<ul style="list-style-type: none">• Training on DPI	