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MATERIAL SAFETY DATA SHEET (MSDS)

PLATINUM METAL POWDER

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE

Product name : Platinum
 CAS-No. : 7440-06-4

Product Coad: P0161900001

Formula : Pt
 Molecular Weight : 195,08 g/mol

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture
 Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
 This substance is not classified as dangerous according to Directive 67/548/EEC.
 Label elements
 Labelling according Regulation (EC) No 1272/2008 [CLP]
 Pictogram none
 Signal word none
 Hazard statement(s) none
 Precautionary statement(s) none
 Supplemental Hazard none
 Statements
 Safety data sheet available on request.
 Other hazards
 Possible sensitizer.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances
 CAS-No. 7440-06-4 -
 EC-No. 231-116-1
 * PBT substance, ** vPvB substance, *** WEL substance

4. FIRST AID MEASURES

Description of first aid measures
 If inhaled
 If breathed in, move person into fresh air. If not breathing, give artificial respiration.
 In case of skin contact
 Wash off with soap and plenty of water.
 In case of eye contact
 Flush eyes with water as a precaution.
 If swallowed
 Never give anything by mouth to an unconscious person. Rinse mouth with water.
 Most important symptoms and effects, both acute and delayed
 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
 Indication of any immediate medical attention and special treatment needed
 no data available

Section 5. FIREFIGHTING MEASURES

Extinguishing media
 Suitable extinguishing media
 Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
 Special hazards arising from the substance or mixture
 no data available
 Advice for firefighters
 Wear self contained breathing apparatus for fire fighting if necessary.
 Further information
 no data available

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Personal precautions, protective equipment and emergency procedures
Avoid dust formation. Avoid breathing vapors, mist or gas.
Environmental precautions
No special environmental precautions required.
Methods and materials for containment and cleaning up
Sweep up and shovel. Keep in suitable, closed containers for disposal.
Reference to other sections
For disposal see section 13.

7. HANDLING AND STORAGE

Precautions for safe handling
Provide appropriate exhaust ventilation at places where dust is formed.
Conditions for safe storage, including any incompatibilities
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Handle and store under inert gas.
Specific end uses
no data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
Components with workplace control parameters
Exposure controls
Appropriate engineering controls
General industrial hygiene practice.
Personal protective equipment
Eye/face protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Body Protection
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection
Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties
a) Appearance Form: Wire
b) Odour no data available
c) Odour Threshold no data available
d) pH no data available
e) Melting point/freezing Melting point/range: 1.772 °C
point
f) Initial boiling point and 3.827 °C
boiling range
g) Flash point not applicable
h) Evaporation rate no data available
i) Flammability (solid, gas) no data available
j) Upper/lower no data available
flammability or explosive limits
k) Vapour pressure no data available

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l) Vapour density no data available

 m) Relative density 21,45 g/cm³
 n) Water solubility no data available
 o) Partition coefficient: n- no data available
 octanol/water
 p) Autoignition no data available
 temperature
 q) Decomposition no data available
 temperature
 r) Viscosity no data available
 s) Explosive properties no data available
 t) Oxidizing properties no data available
 Other safety information no data available

10. STABILITY AND REACTIVITY

 Reactivity no data available
 Chemical stability no data available
 Possibility of hazardous reactions no data available
 Conditions to avoid no data available
 Incompatible materials Strong oxidizing agents, Alcohols
 Hazardous decomposition products no data available

11. TOXICOLOGICAL INFORMATION

 Information on toxicological effects
 Acute toxicity no data available
 Skin corrosion/irritation no data available
 Serious eye damage/eye irritation no data available
 Respiratory or skin sensitization
 Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
 Germ cell mutagenicity no data available
 Carcinogenicity
 Carcinogenicity - rat - Implant
 Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Tumorigenic: Tumors at site or application.
 Carcinogenicity - mouse - Implant
 Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Tumorigenic: Tumors at site or application.
 IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
 Reproductive toxicity no data available
 Specific target organ toxicity - single exposure no data available
 Specific target organ toxicity - repeated exposure no data available
 Aspiration hazard no data available
 Potential health effects
 Inhalation May be harmful if inhaled. May cause respiratory tract irritation.
 Ingestion May be harmful if swallowed.
 Skin May be harmful if absorbed through skin. May cause skin irritation.
 Eyes May cause eye irritation.
 Signs and Symptoms of Exposure
 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
 Additional Information
 RTECS: TP2160000

12. ECOLOGICAL INFORMATION

 Toxicity no data available
 Persistence and degradability no data available
 Bioaccumulative potential no data available
 Mobility in soil no data available
 Results of PBT and vPvB assessment no data available
 Other adverse effects no data available

13. DISPOSAL CONSIDERATIONS

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Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

Not Regulated

15 - REGULATORY INFORMATION

N/A

16. Other Information

Product Use: Laboratory Reagent.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

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