

1.

Safety Data Sheet

Version 1.3 Revision Date 08/01/2021

PRODUCT AND COMPANY IDENTIFICATION			
Product Name	Platinum		
Chemical Formula	Pt		
Molecular Weight	195.08 g/mol		
CAS No.	7440-06-4		
EINECS No.	231-116-1		
Supplier Address*	ISOFLEX USA PO Box 29475 San Francisco CA 94129 United States		
Telephone	+1 415-440-4433		
Fax	+1 415-563-4433		
Emergency Phone Number (both supplier and manufacturer)	 Infotrac/ +1 800-535-5053 *May include subsidiaries or affiliate companies/divisions 		
Email	iusa@isoflex.com		
Website	www.isoflex.com		
Preparation Information	ISOFLEX USA Product Safety +1 415-440-4433		

2. HAZARDOUS INGREDIENTS

Emergency Overview

Highly flammable Keep away from heat/sparks/open flames/hot surfaces – NO SMOKING. Ground/bond container and receiving equipment Use explosion-proof electrical/ ventilating/ lighting/ equipment. Wear protective gloves/ protective clothing/ eye protection/ face protection. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

NFPA Ratings: (0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe) Health Hazard = 2 Flammability = 3 Reactivity = 3



HMIS Ratings: (0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe)

Health Hazard = 2	Flammability = 3	Physical Hazard = 3
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HEALTH HAZARD	2
FLAMMABILITY	3
PHYSICAL HAZARD	3

Potential Health Effects

Inhalation	May be harmful if inhaled; may cause respiratory tract irritation
Skin	May be harmful if absorbed through skin; may cause skin irritation
Eyes	May cause eye irritation
Ingestion	May be harmful if swallowed

3.	COMPOSITION/INFORMATION OI	N INGREDIENTS		
	Chemical Name:	Platinum		
	CAS No.:	7440-06-4		
	Chemical Formula:	Pt		
	Molecular Weight:	195,08 g/mol		
4.	FIRST AID MEASURES			
	General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance.		
	Inhalation Exposure	If breathed in, move person into fresh air. If person is not breathing, give artificial respiration Consult a physician.		
	Dermal Expos <mark>ure</mark>	Wash off with soap and plenty of water. Consult a physician.		
	Eye Exposure	Flush eyes with water as a precaution.		
	Oral Exposure	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.		
5.	FIREFIGHTING MEASURES			
	Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.		
	Firefighting			
	Protective Equipment	Wear self-contained breathing apparatus for firefighting if necessary.		
	Further Information	Use water spray to cool unopened containers.		
6.	ACCIDENTAL RELEASE MEASURES			
	Personal Precautions	Avoid dust formation. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.		
	Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.		
	Methods for Cleaning Up	Contain spillage, and then collect with an electrically-protected vacuum		

7.	HANDING AND STOP	RAGE			
	Handling		ventila ignitior	tion at places where du	aerosols. Provide appropriate exhaust ust is formed. Keep away from sources of ke measures to prevent the buildup of
	Storage			n cool place. Keep cor ted place.	ntainer tightly closed in a dry and well-
8.	EXPOSURE CONTRO	OLS / PERSON	AL PROT	ECTION	
	Control Paramete	ers			
	Component	CAS No.	Value	Control parameters	Basis
	Platinum	7440-06-4	TWA	1 mg/m ³	USA - ACGIH Threshold Limit Values (TLV)
	Remarks: Upp	per respiratory t	ract irritati	ion / asthma	
			TWA	1 mg/m ³	USA - OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
			TWA	1 mg/m ³	USA - NIOSH Recommended Exposure
			TWA	0.0020 mg/m ³	Limits USA - Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants
	Personal Protect	ive Equipment	:		
	Respiratory Protect		Where risk assessment shows air-pu use a full-face particle respirator type respirator cartridge as a backup to en is the sole means of protection, use a		vs air-purifying respirators are appropriate, ator type N100 (US) or type P3 (EN 143) sup to engineering controls. If the respirator on, use a full-face supplied air respirator. ents tested and approved under appropriate as NIOSH (US) or CEN (EU).
	Hand Protection			ve 89/686/EEC and the	es must satisfy the specifications of EU e standard EN 374 derived from it. Handle
	Eye Protection		Safety	glasses	
	Body Protection			e body protection accongerous substance at t	ording to the amount and concentration of the workplace.
	General Hygiene	Measures			bod industrial hygiene and safety practice. nd at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form

Safety Data

pH:	N/A
Melting Point:	1.772 °C
Lower Explosion Limit:	N/A
Density:	21.45 g/cm ³
Flash Point:	N/A

Powder

Ignition Temperature:	N/A
Boiling Point:	3.827 °C
Upper Explosion Limit:	N/A
Water Solubility:	N/A

10. STABILITY AND REACTIVITY	
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Storage Stability	Stable under recommended storage conditions
Conditions to Avoid	Heat, flames and sparks
Materials to Avoid	Strong oxidizing agents, alcohols

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	No data available
Irritation and Corrosion	No data available
Sensitization	No data available

Chronic Exposure

Carcinogenicity - Rat - Implant Tumorigenic:

Equivocal tumorigenic agent by RTECS criteria. Tumorigenic: Tumors at site or application.

Carcinogenicity - Mouse - Implant Tumorigenic:

IARC

Equivocal tumorigenic agent by RTECS criteria. Tumorigenic: Tumors at site or application. No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human

Additional Information

carcinogen by IARC. RTECS: TP2160000

12. ECOLOGICAL INFORMATION

Elimination Information (Persistence and Degradability)

Ecotoxicity Effects

No data available

In solid form this material poses no special environmental problems. Metal powder or dust may have significant impact on air and water quality. Emissions, spills and releases to the environment should be controlled immediately.

13. DISPOSAL CONSIDERATIONS

Product

Burn in a chemical incinerator equipped with an afterburner and scrubber, but exert extra care in igniting, as this material is highly flammable. Observe all federal, state and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated Packaging Dispose of as unused product.

14. TRANSPORT INFORMATION

ADR/RID

Proper Shipping Name	METAL POWDER, FLAMMABLE, N.O.S. (Platinum)
UN No.	3089
Class	4.1
Packing Group	II

IMDG Proper Shipping Name UN No. Class Packing Group	METAL POWDER, FLAMMABLE, N.O.S. 3089 4.1 II
EMS No. Marine Pollutant	F-G, S-G No
IATA Proper Shipping Name UN No. Class Packing Group	Metal powder, flammable, n.o.s. 3089 4.1 II

15. REGULATORY INFORMATION

Labeling According to EC Directives Hazard Symbols F - Highly flammable R-phrase(s) R11 - Highly flammable **S16** - Keep away from sources of ignition – NO SMOKING S-phrase(s) S33 - Take precautionary measures against static discharges **S 7/9** - Keep container tightly closed and in a well-ventilated place **REACH Number** A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration, or the registration is envisaged for a later registration deadline. SARA 302 Components No chemicals in this material are subject to the reporting requirements of SARA Title III. Section 302. This material does not contain any chemical components with known SARA 313 Components CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. SARA 311/312 Hazards Fire Hazard, Chronic Health Hazard Massachusetts Right to Know Platinum / CAS No. 7440-06-4 / Revision Date 1993-04-24 Components Pennsylvania Right to Know Platinum / CAS No. 7440-06-4 / Revision Date 1993-04-24 Components New Jersey Right to Know Platinum / CAS No. 7440-06-4 / Revision Date 1993-04-24 Components California Prop. 65 Components This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Prepared By	/
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Issuing Date Revision Date Revision Number

ISOFLEX USA PO Box 29475 San Francisco CA 94129 United States
January 12, 2014
August 1, 2021
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Revision Note Required review and update

ISOFLEX USA's Commonly Used Abbreviations and Acronyms*

IECSCInventory of Existing Chemical Substances Produced or Imported in ChinaIMDGInternational Maritime Code for Dangerous GoodsLC50Lethal concentration, 50 percentLD50Lethal dose, 50 percentLDLOLethal Dose Low

LOEC	Lowest-Observed-Effective Concentration
MARPOL	International Convention for the Prevention of Pollution from Ships
MSHA	Mine Safety and Health Administration (USA)
NCRP	National Council on Radiation Protection & Measurements (USA)
NDSL	Non-Domestic Substances List (Canada)
NFPA	National Fire Protection Association (USA)
NIOSH	National Institute for Occupational Safety and Health (USA)
NOEC	No Observed Effect Concentration
N.O.S.	Not Otherwise Specified
NRC	Nuclear Regulatory Commission (USA)
NTP	National Toxicology Program (USA)
OSHA	Occupational Safety and Health Administration (USA)
PBT	Persistent Bioaccumulative and Toxic Chemical
PEL	Permissible Exposure Limit
PICCS	Philippines Inventory of Chemicals and Chemical Substances
PIH	Poisonous by Inhalation Hazard
RCRA	Resource Conservation and Recovery Act (USA)
RCT	Radiation Control Technician
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals (Europe)
RID	Regulations Concerning the International Transport of Dangerous Goods by Rail
RQ	Reportable Quantity
RTECS	Registry of Toxic Effects of Chemical Substances
SARA	Superfund Amendments and Reauthorization Act (USA)
SNUR	Significant New Use Rule (TSCA)
TDG	Transportation of Dangerous Goods (Canada)
TIH	Toxic by Inhalation Hazard
TLV	Threshold Limit Value
TPQ	Threshold Planning Quantity
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
UN	United Nations (Number)
VOC	Voaul Organic Compound
VOC	Volatile Organic Compound
vPvB	Very Persistent Very Bioaccumulative Chemical
WGK	Wassergefährdungsklassen (Germany: Water Hazard Classes)
WHMIS	Workplace Hazardous Materials Information System

*One or more of the above-listed items may not appear in this document.

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