



## SECTION 1: Product Identification

Chemical Name:	Platinum, 5% on silica powder, reduced, dry (Escat□ 2351)
Product Number:	233
CAS Registry Number:	7440-06-4
Formula:	Pt on silica
EINECS Number:	231-116-1
Chemical Family:	supported metal catalyst
Synonym:	Platinum on silica catalyst

## SECTION 2: Composition and Information on Ingredients

Ingredient	CAS Number	Percent	ACGIH (TWA)	OSHA (PEL)
Title compound	7440-06-4	5	1mg/m3	no data
Silica	1343-98-2	95	10mg/m3 (amorphous)	15mg/m3 (dust)

## SECTION 3: Hazards Identification

Emergency Overview:	Inhalation hazard as a fine dust or fume.
Primary Routes of Exposure:	Inhalation, ingestion
Eye Contact:	The dust may cause slight to mild irritation of the eyes.
Skin Contact:	The dust may cause slight to mild irritation of the eyes.
Inhalation:	Hazard associated with inhalation of fine dust or fume. May be irritating to the nose and respiratory tract.
Ingestion:	No specific information is available on the physiological effects of ingestion.
Acute Health Effects:	Dust may be irritating to skin, eyes and respiratory tract.
Chronic Health Effects:	No information on long-term chronic effects.
NTP:	No
IARC:	No



OSHA:	No
<b>SECTION 4: First Aid Measures</b>	
Eye Exposure:	Immediately flush the eyes with copious amounts of water for at least 10-15 minutes. A victim may need assistance in keeping their eye lids open. Get immediate medical attention.
Skin Exposure:	Wash the affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.
Inhalation:	Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.
Ingestion:	Seek medical attention immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.
<b>SECTION 5: Fire Fighting Measures</b>	
Flash Point:	no data
Autoignition Temperature:	none
Explosion Limits:	none
Extinguishing Medium:	none. Material is non-flammable
Special Fire Fighting Procedures:	No special fire fighting procedures required for this material.
Hazardous Combustion and Decomposition Products:	none
Unusual Fire or Explosion Hazards:	No unusual fire or explosion hazards.
<b>SECTION 6: Accidental Release Measures</b>	
Spill and Leak Procedures:	Small spills can be mixed with vermiculite or sodium carbonate and swept up.
<b>SECTION 7: Handling and Storage</b>	
Handling and	Store in a tightly sealed container. Handle fine powders in a well-ventilated area.



Storage:

## SECTION 8: Exposure Controls and Personal Protection

Eye Protection:

Always wear approved safety glasses when handling a chemical substance in the laboratory.

Skin Protection:

Wear protective clothing and gloves.

Ventilation:

Handle the material in an efficient fume hood.

Respirator:

If ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 1910.134.

Additional Protection:

No additional protection required.

## SECTION 9: Physical and Chemical Properties

Color and Form:

gray powder (d50=40 microns)

Molecular Weight:

not applicable

Melting Point:

no data

Boiling Point:

no data

Vapor Pressure:

no data

Specific Gravity:

no data

Odor:

none

Solubility in Water:

insoluble

## SECTION 10: Stability and Reactivity

Stability:

air and moisture stable

Hazardous

Polymerization:

no hazardous polymerization

Conditions to Avoid:

If used as a catalyst, keep spent catalyst away from combustibles.

Incompatibility:

none

Decomposition

Products:

none

## SECTION 11: Toxicological Information



RTECS Data: Platinum: Intraperitoneal(mouse); LD50: 17 mg/kg. Oral (rat); TDLo: 9100mg/kg/26W-I. Implant (rat); TDLo: 5250mg/kg(tumors at site of application). Implant (mouse); TDLo: 23gm/kg(tumors at site of application).

Carcinogenic Effects: Platinum: Equivocal tumorigenic agent by RTECS criteria.

Mutagenic Effects: no data

Tetratogenic Effects: no data

## SECTION 12: Ecological Information

Ecological Information: No information available

## SECTION 13: Disposal Considerations

Disposal: Dispose of according to local, state and federal regulations.

## SECTION 14: Transportation

Shipping Name (CFR): Non-hazardous

Hazard Class (CFR): NA

Additional Hazard Class (CFR): NA

Packaging Group (CFR): NA

UN ID Number (CFR): NA

Shipping Name (IATA): Non-hazardous

Hazard Class (IATA): NA

Additional Hazard Class (IATA): NA

Packaging Group (IATA): NA

UN ID Number (IATA): NA

## SECTION 15: Regulatory Information



TSCA: Listed in the TSCA inventory

SARA (Title 313): Title compound not listed.

Second Ingredient: none

Third Ingredient: none