

**SECTION 1: Product Identification**

Chemical Name:	Palladium, 5% on activated carbon, reduced, 50% water wet paste
Product Number:	101A
CAS Registry Number:	7440-05-3
Formula:	Pd on C
EINECS Number:	231-115-6
Chemical Family:	supported metal catalyst
Synonym:	none

**SECTION 2: Composition and Information on Ingredients**

Ingredient	CAS Number	Percent	ACGIH (TWA)	OSHA (PEL)
Palladium	7440-05-3	5	no data	no data
Carbon	7440-44-0	95	3.5mg/m3 (as C)	3.5mg/m3 (as C)
Water	7732-18-5		no data	no data

**SECTION 3: Hazards Identification**

Emergency Overview:	Irritating to skin, eyes and respiratory tract.
Primary Routes of Exposure:	Ingestion, Inhalation, skin, eyes
Eye Contact:	Causes slight to mild irritation to eyes
Skin Contact:	Causes slight to mild irritation to skin
Inhalation:	Irritating to the nose, mucous membranes and respiratory tract.
Ingestion:	No information available on the physiological effects of ingestion. May be harmful if swallowed.
Acute Health Effects:	Irritating to skin, eyes and respiratory tract.
Chronic Health Effects:	No information on long-term chronic effects.
NTP:	No
IARC:	No
OSHA:	No



#### SECTION 4: First Aid Measures

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.

#### SECTION 5: Fire Fighting Measures

Flash Point:	no data
Autoignition Temperature:	no data
Explosion Limits:	no data
Extinguishing Medium:	carbon dioxide, dry powder or foam
Special Fire Fighting Procedures:	If this product is involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.
Hazardous Combustion and Decomposition Products:	If involved in a fire, this material may emit toxic carbon monoxide.
Unusual Fire or Explosion Hazards:	Flammable when dry. No unusual fire or explosion hazards.

#### SECTION 6: Accidental Release Measures

Spill and Leak Procedures:	Small spills can be mixed with vermiculite or sodium carbonate and swept up.
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#### SECTION 7: Handling and Storage

Handling and Storage:	Keep container tightly closed. Keep moist. Becomes flammable when dry.
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#### 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:	black powder (d50=27 $\mu$ m)
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 dried, contact with alcohols may cause fire.
Incompatibility:	strong oxidizing agents, alcohols
Decomposition Products:	carbon monoxide, carbon dioxide, palladium and palladium oxide.

#### SECTION 11: Toxicological Information

RTECS Data:	Palladium pwdr: Oral(mammal); TDLo: 9125mg/kg/26W-I. Carbon: Oral(rat); LD50 5g/Kg
Carcinogenic Effects:	no data
Mutagenic Effects:	no data
Teratogenic Effects:	no data

#### SECTION 12: Ecological Information

Ecological Information:	No information available
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<b>SECTION 13: Disposal Considerations</b>	
Disposal:	Dispose of according to local, state and federal regulations.
<b>SECTION 14: Transportation</b>	
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
<b>SECTION 15: Regulatory Information</b>	
TSCA:	Listed in the TSCA inventory.
SARA (Title 313):	Title compound not listed
Second Ingredient:	none
Third Ingredient:	none
<b>SECTION 16: Other information</b>	
Disclaimer:	The information herein is believed to be accurate and reliable as of the date compiled. However, Kaida Chemical Engineering Co., Ltd makes no representation, warranty, or guarantee of any kind with respect to the information contained in this document or any use of the product based on this information.
Preparation Date:	12/28/2006
Revision Date:	4/23/2013