



Creation Date 05-Nov-2010

Revision Date 09-Feb-2011

Revision Number 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier Product Description: Cat No. Synonyms

Palladium(II) oxide 195160000; 195160010; 195160050 Palladium oxide; Palladium monoxide

Relevant identified uses of the substance or mixture and uses advised againstRecommended UseLaboratory chemicalsUses advised againstNo Information available

Details of the supplier of the safety data sheet Company Acros Organics BVBA Janssen Pharmaceuticalaan 3a 2440 Geel, Belgium E-mail address begel.sdsdesk@thermofisher.com Emergency Telephone Number For information in the US, call: 001-800-ACROS-01 For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99 Emergency Number, US: 001-201-796-7100

CHEMTREC Phone Number, US: 001-800-424-9300 CHEMTREC Phone Number, Europe: 001-703-527-3887

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture REGULATION (EC) No 1272/2008

Not hazardous

Classification according to EU Directives 67/548/EEC or 1999/45/EC For the full text of the R phrases mentioned in this Section, see Section 16 R -phrase(s) none

Label Elements

Signal Word

None

Hazard Statements

Other Hazards No information available.





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3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	EC No.	Weight %	CAS-No	Classification	GHSCLAS	REACH Reg. No.
Palladium oxide (PdO)	EEC No. 215-	>95	1314-08-5	-	-	-
1314-08-5	218-3					

For the full text of the R phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES

Description of first aid measures Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes Obtain medical attention
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes Get medical attention immediately if symptoms occur
Ingestion	Do not induce vomiting Obtain medical attention
Inhalation	Move to fresh air If breathing is difficult, give oxygen Get medical attention immediately if symptoms occur
Notes to Physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Extinguishing media Suitable Extinguishing Media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Extinguishing media which must not be used for safety reasons No information available.

Special hazards arising from the substance or mixture

Explosive properties

Advice for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation.

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Environmental precautions

Should not be released into the environment.

Methods and material for containment and cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Wear personal protective equipment Ensure adequate ventilation Avoid contact with skin, eyes and clothing Avoid ingestion and inhalation Avoid dust formation

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place

Specific End Uses

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters							
Exposure limits	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.						
Derived No Effect Level (DNEL) Predicted No Effect Concentration (PNEC) Exposure controls	No information available. No information available.						
Engineering Measures	Ensure that eyewash stations and safety showers are close to the workstation location Ensure adequate ventilation, especially in confined areas						
Personal protective equipment							
Eye Protection Hand Protection Skin and body protection Respiratory Protection	Safety glasses with side-shields Goggles Protective gloves Wear appropriate protective gloves and clothing to prevent skin exposure Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced						
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice						

Environmental exposure controls

Handle in accordance with good industrial hygiene and safety practice No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Appearance odor pH Boiling Point/Range Powder Dark grey odorless No information available. No information available.





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9. PHYSICAL AND CHEMICAL PROPERTIES

Melting Point/Range Decomposition temperature Flash Point Water Solubility Molecular Formula Molecular Weight 870°C / 1598°F > 750°C No information available. practically insoluble O Pd 122.4

10. STABILITY AND REACTIVITY

Reactivity Chemical Stability Stable under normal conditions.

Possibility of Hazardous Reactions

Hazardous Polymerization Hazardous Reactions . Hazardous polymerization does not occur. None under normal processing..

Conditions to Avoid

Incompatible products, Excess heat, Avoid dust formation.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

None under normal use

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Palladium oxide (PdO)	4.9 g/kg		

Chronic	Toxicity
Carcino	venicity

Carcinogenicity

There are no known carcinogenic chemicals in this product

Sensitization Mutagenic Effects Reproductive Effects Developmental Effects

No information available No information available. No information available.

No information available.

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Target Organs	None known.
Other Adverse Effects	The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information
Endocrine Disruptor Information	None known

12. ECOLOGICAL INFORMATION

Toxicity	
Ecotoxicity effects	

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants

Persistence and degradability No information available

Bioaccumulative potential No information available.

Mobility in soil No information available.

Results of PBT and vPvB assessment Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods Waste from Residues / Unused Products	Dispose of in accordance with local regulations						
Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal							
14. TRANSPORT INFORMATION							
IMDG/IMO	Not regulated						
ADR	Not regulated						

ΙΑΤΑ

Not regulated



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15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Inventories

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	CHINA	AICS	KECL
Palladium oxide (PdO)	215-218-3	-		Х	Х	-	Х	Х	Х	Х	KE-27753
											Х

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory EINECS/ELINCS - European Inventory Lists DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List PICCS - Philippines Inventory of Chemicals and Chemical Substances ENCS - Japan Existing and New Chemical Substances CHINA - China Inventory of Existing Chemical Substances AICS - Inventory of Chemical Substances KECL - Existing and Evaluated Chemical Substances

Chemical Safety Assessment

16. OTHER INFORMATION

Text of R phrases mentioned in Section 2-3

No information available.

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 Revision Summary
 Not applicable

 This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

 Disclaimer

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End of Safety Data Sheet