

**SECTION 1: Product Identification**

Chemical Name:	trans-Dichlorobis(triphenylphosphine)palladium(II)/potassium phosphate admixture [Carkit single-use vials - 6.32 wt% Pd complex]
Product Number:	144
CAS Registry Number:	13965-03-2
Formula:	none
EINECS Number:	none
Chemical Family:	organometallic complex/metal phosphate adm
Synonym:	PdCl ₂ (PPh ₃) ₂ /K ₃ PO ₄ admixture

SECTION 2: Composition and Information on Ingredients

Ingredient	CAS Number	Percent	ACGIH (TWA)	OSHA (PEL)
Palladium complex	13965-03-2	6.32	no data	no data
Potassium phosphate	7778-53-2	93.6	no data	no data

SECTION 3: Hazards Identification

Emergency Overview:	Irritating to skin, eyes and respiratory tract.
Primary Routes of Exposure:	Ingestion, inhalation, eyes
Eye Contact:	Causes slight to mild irritation of the eyes.
Skin Contact:	Causes slight to mild irritation of the 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 irritating fumes.

Unusual Fire or
Explosion Hazards: 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.

SECTION 7: Handling and Storage



Handling and Storage: Store in a tightly sealed container. Keep in a cool, dry, well-ventilated place.

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: off-white powdr.

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: none

Incompatibility: oxidizing agents, halogens, active metals

Decomposition Products: carbon monoxide, carbon dioxide, phosphorus pentoxide, hydrogen chloride, organic fumes and palladium salts

SECTION 11: Toxicological Information



RTECS Data: No information available in the RTECS files.

Carcinogenic Effects: no data

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: Not listed in the TSCA inventory



SARA (Title 313): Not regulated under SARA 313

Second Ingredient: Listed in the TSCA inventory. Not regulated under SARA 313.

Third Ingredient: none