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Produktinformation



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Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Chlorocyclopentadienylbis(triphenylphosphine)ruthenium(II): sc-234327



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Identification

Product Name: Chlorocyclopentadienylbis(triphenylphosphine)ruthenium(II)
Catalog Number: sc-234327
Synonyms: Cyclopentadienylbis(triphenylphosphine)ruthenium (II) chloride
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800
Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

Section 2: Composition and Information on Ingredients

<i>Ingredient</i>	<i>CAS-No.</i>	<i>Percent</i>	<i>ACGIH (TWA)</i>	<i>OSHA (PEL)</i>
Title Compound	32993-05-8	100%	no data	no data

Section 3: Hazards Identification

Emergency Overview: Irritating to the respiratory tract, skin and eyes. May be harmful if swallowed.
Primary Routes of Exposure: Ingestion, eyes
Eye Contact: Causes slight to mild irritation of the eyes.
Skin Contact: Causes slight to mild irritation of the skin.
Inhalation: Irritating to skin, eyes and respiratory tract.
Ingestion: Ingestion may lead to dizziness, abdominal cramps, and vomiting.
Acute Health Affects: Irritating to skin, eyes and respiratory tract.
Chronic Health Affects: The toxicological properties of this compound have not been thoroughly investigated. Unrecognized hazards may be present.
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: not applicable
Autoignition Temperature: none
Explosion Limits: none
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, powdered limestone, or powdered sodium bicarbonate and swept up.

SECTION 7: Handling and Storage

Handling and Storage: Store in a tightly sealed container. Keep away from heat, air and direct sunlight. Handle material in an efficient fume hood or glove box in the absence of air. Store at room temperature.

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 appropriate chemical resistant gloves and protective clothing.

Ventilation: Material may form a fine dust. If possible, handle the material in an efficient fume hood.

Respirator: No respirator is required when handling this material unless large volumes are handled in a poorly ventilated area.

Ventilation: Material may form a fine dust. If possible, handle the material in an efficient fume hood.

Additional Protection: No additional protection required.

SECTION 9: Physical and Chemical Properties

Form	solid	Molecular Weight	726.19
Melting Point	130–133°C dec.	Boiling Point	no data
Vapor Pressure	not applicable	Specific Gravity	no data
Odor	none	Solubility in Water	soluble
Molecular Formula	C41H35ClP2Ru		

SECTION 10: Stability and Reactivity

Stability: air and moisture stable

Hazardous Polymerization: no hazardous polymerization

Conditions to Avoid: Very strong oxidizing agents such as nitric acid may produce toxic volatile ruthenium tetroxide.

Incompatibility: oxidizing agents, halogens and active metals

Decomposition Products: carbon dioxide, carbon monoxide, organic fumes, phosphorus oxides, and ruthenium chloride.

SECTION 11: Toxicological Information

RTECS Data: No information available in the RTECS files.

Carcinogenic Effects: No data available

Mutagenic Effects: No data available

Teratogenic Effects: No data available

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): NA

Non-hazardous Hazard Class (CFR): NA

Additional Hazard Class (CFR): NA

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): Title compound not listed.

Second Ingredient: none

Third Ingredient: none

Section 16: Other information

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

10/15/2012