



SECTION 1: Product Identification

Chemical Name:	Polymer-bound chlorotris(triphenylphosphine)rhodium (I) on styrene-divinylbenzene copolymer (20% cross-linked)
Product Number:	338
CAS Registry Number:	14694-95-2
Formula:	$\text{RhCl}(\text{P}(\text{C}_6\text{H}_5)_3)_3$
EINECS Number:	238-744-5
Chemical Family:	metal-phosphine complexes
Synonym:	Rhodium, chlorotris(triphenylphosphine), polymer bound.

SECTION 2: Composition and Information on Ingredients

Ingredient	CAS Number	Percent	ACGIH (TWA)	OSHA (PEL)
Title Compound	14694-95-2	5	1mg/m ³ (as Rh)	0.1mg/m ³ (as Rh)
polystyrene	9003-53-6	95	no data	no data

SECTION 3: Hazards Identification

Emergency Overview:	No particular hazard associated with this material.
Primary Routes of Exposure:	Ingestion, inhalation
Eye Contact:	May cause slight to mild irritation of the eyes.
Skin Contact:	May cause slight to mild irritation of the skin.
Inhalation:	May be irritating to the nose, mucous membranes and respiratory tract.
Ingestion:	Ingestion may lead to dizziness, abdominal cramps, vomiting, bloody diarrhea, weakness, and convulsions.
Acute Health Effects:	May be irritating to skin, eyes and respiratory tract.
Chronic Health Effects:	No information available on the long-term effects of prolonged exposure.
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, foam or dry powder
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 away from heat and direct sunlight. Handle and store under an inert atmosphere of nitrogen or argon.

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: Material may form a fine dust. If possible, 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: maroon beads 20-60 mesh

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 sensitive

Hazardous Polymerization: no hazardous polymerization

Conditions to Avoid: none

Incompatibility: chlorine, active metals, and oxidizing agents.

Decomposition: carbon dioxide, carbon monoxide, organic fumes, phosphorous pentoxide, and



Products: rhodium compounds.

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: Listed in the TSCA inventory.

SARA (Title 313): Title compound not listed.

Second Ingredient: None

Third Ingredient: None