

Section 1. Product and Company Identification

Product Name 9,9-Dimethyl-4,5-bis-(diphenylphosphino)-xanthene
CAS Number 161265-03-8

Parchem - fine & specialty chemicals
415 Huguenot Street
New Rochelle, NY 10801
☎ (914) 654-6800 📠 (914) 654-6899
🌐 parchem.com ✉ info@parchem.com

EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture
According to EU Directives 67/548/EEC or 1999/45/EC
Hazard symbols: Xi Irritant

Risk phrases
R36/37/38 Irritating to eyes, respiratory system and skin.

Safety phrases
S37 Wear suitable gloves.

GHS Label Elements
Pictograms:



Signal word: WARNING

Hazard and precautionary statements
Hazard Statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary Statements

261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



P304+P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

P405 Store locked up.

P501A Dispose of contents/container in accordance with local/regional/national/ international regulations.

Other Hazards: No data known.

Section 3. Composition / Information on Ingredients

Common Name 9,9-Dimethyl-4,5-bis-(diphenylphosphino)-xanthene
Synonym(s) 4,5-Bis(diphenylphosphino)-9,9-dimethylxanthene
CAS Number 161265-03-8

COMPONENT	CAS NUMBER	CONCENTRATION
9,9-Dimethyl-4,5-bis-(diphenylphosphino)-xanthene	161265-03-8	>= 97%

Section 4. First Aid Measures

General information: Immediately remove any clothing soiled by the product.

Inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice.

Skin contact: Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice.

Eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

Ingestion: Seek immediate medical advice.

Most important symptoms and effects, both acute and delayed: No data available

Indication of any immediate medical attention and special treatment needed: No data available

Section 5. Firefighting Measures

Extinguishing media

Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture: Carbon monoxide and carbon dioxide, Phosphine oxides.

Advice for firefighters

Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.



Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

Environmental precautions: Do not allow material to be released to the environment without proper governmental permits.

Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Section 7. Handling and Storage

Precautions for safe handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build-up of electrostatic charge. Ensure good ventilation at the workplace.

Conditions for safe storage, including any incompatibilities: Keep container tightly sealed. Store in a dry, cool and well-ventilated place. Recommended storage temperature: 2 - 8°C. Store under inert gas. Light sensitive

Section 8. Exposure Controls / Personal Protection

Additional information about design of technical systems: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

Control parameters

Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional Information: No data known

Exposure controls

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Remove all soiled and contaminated clothing immediately.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Breathing equipment: Use suitable respirator when high concentrations are present.

Protection of hands: Impervious gloves

Eye protection: Safety glasses

Body protection: Protective work clothing

Section 9. Physical and Chemical Properties

Information on basic physical and chemical properties

Form: Solid

Color: White to yellow

Odor: Not determined

Melting point/Melting range: 224 - 228°C (lit.)

Boiling point/Boiling range: Not determined

Sublimation temperature/start: Not determined

Flash point: Not determined

Ignition temperature: Not determined

Decomposition temperature: Not determined

Danger of explosion: Not determined

Explosion limits: Not determined

Vapor pressure: Not determined

Density: Not determined

Other safety information: No data available

Section 10. Stability and Reactivity

Reactivity: No data known

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No data known

Incompatible materials: Strong oxidizing agents

Hazardous decomposition products

Other decomposition products: no data known

Section 11. Toxicological Information

Information on toxicological effects

Acute toxicity: No data known

Primary irritant effect

on the skin: maybe irritant to skin



on the eye: maybe irritating effect

Sensitization: No sensitizing effects known.

Subacute to chronic toxicity: Other than potential irritation (see above), no information on illness or injury to humans from acute or chronic exposure to this product is available.

Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.

Section 12. Ecological Information

Toxicity: No data known

Persistence and degradability: No data known

Bioaccumulative potential: No data known

Mobility in soil: No data known

Results of PBT and vPvB assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects: No data known

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

DOT, ADR, IMDG, IATA

UN number: No data known

UN proper shipping name: No data known

Transport hazard class(es): No data known

Packaging group: No data known

Environmental hazards: no data known

Special precautions for user: no data known

Section 15. Regulatory Information

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

Adhere to all Federal, State and local regulations.



Safety Data Sheet

(9,9-Dimethyl-4,5-bis-(diphenylphosphino)-xanthene)

DATE PREPARED: 1/19/2017

Information about limitation of use: Use of this product is restricted to research and development only by technically qualified individuals.

Chemical Safety Assessment: For this product a chemical safety assessment was not carried out

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 1/19/2017

