



Synchemer Co., Limited

Your professional chemicals supplier and formulation designer

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Material Safety Data Sheet

Synfos-626

Section 1. Chemical Product and Company Identification

Trade Name: Synfos-626

Supplier information:

Synchemer Co., Limited
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Section 2. Composition and Information on Ingredients

Chemical Name: Bis(2,4-di-t-butylphenyl)pentaerythritol Diphosphite

CAS No.: 26741-53-7

Content, by weight %: 100%

Toxicological Data on Ingredients: Not Applicable

Section 3. Hazards Identification

Classification of the substance or mixture

The substance is not classified according to the Globally Harmonized System (GHS).

Label elements

GHS label elements Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Classification system:

NFPA ratings (scale 0 - 4)



Health = 1

Fire = 1

Reactivity = 0

HMIS-ratings (scale 0 - 4)

HEALTH	0	<i>Health = 0</i>
FIRE	1	<i>Fire = 1</i>
REACTIVITY	0	<i>Reactivity = 0</i>

Other hazards

Results of PBT and vPvB assessment

PBT: Not determined

vPvB: Not determined

Section 4. First Aid Measures

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5. Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...).

Fire Hazards in Presence of Various Substances: Slightly flammable to flammable in presence of heat.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Material in powder form, capable of creating a dust explosion. As with most organic solids, fire is possible at elevated temperatures

Special Remarks on Explosion Hazards: Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Section 6. Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7. Handling and Storage

Precautions: Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls/Personal Protection

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case: of a Large Spill: Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9. Physical and Chemical Properties

Information on basic physical and chemical properties

General Information

Appearance:

Form: Solid in various forms

Color: Whitish

Odor: Phenol-like

Change in condition

Melting point/Melting range: 170-180°C (338-356°F)

Boiling point/Boiling range: Not determined.

Flash point: 168°C (334°F)

Flammability (solid, gaseous): Product is not flammable.

Danger of explosion: Product does not present an explosion hazard.

Density: Not determined.

Solubility in / Miscibility with

Water: Slightly soluble.

Other information No further relevant information available.

Section 10. Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, incompatible materials, dust generation.

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Not available.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: will not occur.

Section 11. Toxicological Information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

Oral LD50 > 5580 mg/kg (Rat)

Dermal LD50 > 2000 mg/kg (Rabbit)

Inhalative LC50 > 2 mg/l (Rat)

Primary irritant effect:

on the skin: No irritant effect.

on the eye: No irritating effect.

Sensitization: No sensitizing effects known.

Section 12. Ecological Information

Toxicity

Aquatic toxicity:

EC50 (3h) > 100 mg/l (Bacteria)

LC50 (96h) > 100 mg/l (Fish)

Persistence and degradability No further relevant information available.

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: Not determined

vPvB: Not determined

Other adverse effects No further relevant information available.

Section 13. Disposal Considerations

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14. Transport Information

UN-Number

DOT, ADR, IMDG, IATA Void

UN proper shipping name

DOT, ADR, IMDG, IATA Void

Transport hazard class(es)

DOT, ADR, IMDG, IATA

Class Void

Packing group

DOT, ADR, IMDG, IATA	Void
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
UN "Model Regulation":	-

Section 15. Other Regulatory Information and Pictograms

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

Sara

Section 355 (extremely hazardous substances): Substance is not listed.

Section 313 (Specific toxic chemical listings): Substance is not listed.

TSCA (Toxic Substances Control Act): Substance is listed.

Proposition 65

Chemicals known to cause cancer: Substance is not listed.

Chemicals known to cause reproductive toxicity for females: Substance is not listed.

Chemicals known to cause reproductive toxicity for males: Substance is not listed.

Chemicals known to cause developmental toxicity: Substance is not listed.

Carcinogenicity categories

EPA (Environmental Protection Agency) Substance is not listed.

TLV (Threshold Limit Value established by ACGIH) Substance is not listed.

NIOSH-Ca (National Institute for Occupational Safety and Health) Substance is not listed.

OSHA-Ca (Occupational Safety & Health Administration) Substance is not listed.

Chemical Inventories:

Australia	- AICS
Canada	- DSL/NDSL
EU	- EINECS
China	- IECSC
Japan	- ENCS
New Zealand	- NZIOC
Korea	- ECL



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USA - TSCA
Philippines - PICCS

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Section 16. Other Information:

Disclaimer: The information and recommendations contained herein are based upon data believed to be correct. However, NO guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.

Validated by Huihong, Liu: 2013-07-12

Verified by Minqing, Liu

Printed: 2013-07-12