GHS Safety Data Sheet

SDS No. : PBR05XAEG Date Issued: 2015/06/05

Section 1. Identification of the substance or mixture and of the supplier

1.1 Product Information

Product name: $Pb[(CH_3)_3CCOCHCOC(CH_3)_3]_2$ Lead bis(dipivaloylmethanate)

Product number	Purity	Form	Size (mm) or Shape
PBR04GB	—	solid	—

1.2 Company Information:

Manufacturer : Kojundo Chemical Laboratory Co., Ltd
1-28, 5-chome, Chiyoda, Sakado-shi, Saitama Japan 350-0284
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Section 2. Hazards identification

GHS Classification This GHS classification utilized "CLP classification" results as reference.

Health Hazards	Environmental Hazards	Physical Hazards
Acute toxicity (oral, inhalation-dust) : Category 4 **Reproductive toxicity : Category 1** **Specific target organ toxicity, repeated exposure : Category 2**	**Hazardous to the aquatic environment,** **Acute toxicity : Category 1** **Chronic toxicity : Category 1**	No data available

GHS Label: CWV

Pictograms or symbols

Warning word: DANGER

Hazard information

Harmful if swallowed
Harmful if inhaled (dust)
May damage fertility or the unborn child
May cause damage to organs through prolonged or repeated exposure (systemic toxicity)
Very toxic to aquatic life
Very toxic to aquatic life with long lasting effects

Description of precaution

Obtain special instructions. Read and understand all safety precautions before handling.
Wear protective gloves/protective clothing/eye protection/respiratory protection/face protection during handling.
Avoid breathing dust/mist/gas/fume/vapors/spray. Do not eat, drink or smoke when using this product, and wash hands thoroughly after handling.
Use only outdoors or in well-ventilated area.
Avoid release to the environment and collect spillage.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth.
Call a POISON CENTER or doctor/physician if you feel unwell.
Store locked up.
Dispose of contents/ container in accordance with local/national regulations.

Additional hazard information :

With respect to additional hazard information, see Section 11.

Section 3. Composition / information on ingredients

Chemical or common name:	Lead bis (dipivaloylmethanate) Lead bis (2,2,6,6,-tetramethyl-3,5-heptanedionate)
Chemical formula:	$Pb[(CH_3)_3CCOCHCOC(CH_3)_3]_2$
Single Substance or Mixture:	Single substance
Composition:	100%
CAS #:	21319-43-7
RTECS#:	not registered
TSCA inventory :	not listed
EINECS:	not listed

Section 4. First aid measures

Eye contact:	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
Skin contact:	Promptly flush contaminated skin with soap or mild detergent and water. Contact physician if irritation continues.
Inhalation:	Remove the exposed person immediately and provide fresh air. Get medical attention.
Ingestion:	Rinse mouth and throat with water. Get medical attention immediately.

Section 5. Fire fighting measures

Extinguishing agents:	Carbon dioxide, Dry chemical powder, water foam, dry sand. DO NOT use a direct water stream.
Fire fighting:	Flammable material. Burning material releases toxic organic fumes. Self-contained breathing apparatus and full protective clothing should be used, if the material is involved in fire. Remove containers to safe place if possible. Use water spray to Cool down nearby structures and containers.

Section 6. Accidental release measures

Personal Precautions: Workers should use protective wears to prevent contact with the spilt adhesive and inhalation of its vapor/dusts.

Environmental hazard precautions:

Shut off leak if without risk.

Prevent flow out to river, etc. so as not to badly affect.

Method for containment and cleaning up:

Avoid unnecessary contacts with spills.

Indoor leakage: Ventilate as much as possible until the cleaning is completed.

Outdoor leakage: Work from the windward and evacuate the leeward crowd.

Absorb or cover with vermiculite or other suitable absorbent,and dispose of DOT-approved waste containers as much as possible.

Carefully collect remnant and move to a safe place.

Section 7. Handling and storage

Precautions to be taken in handling:

Safe handling: Use protective wears and local ventilation equipment, if inhalation or skin contact is foreseen.
Keep away from heat, sparks and naked flame.
Electrically ground all equipment when handling this material and use only non-sparking tools.

Precautions to be taken in storage:

General precautions: Store in a cool, dry place away from incompatible materials.
Keep container or bottle tightly closed.

Section 8. Exposure controls / personal protection

Exposure guideline:

Chemical Name	ACGIH(2013) TLV mg/m^3		OSHA(2006) PEL-TWA mg/m^3
	TWA	STEL	
Lead inorganic compounds (as Pb)	0.05	—	0.05

Facility measures: Local ventilation of closed work room or total proper ventilation to prevent inhalation.

Protective ware: Wear appropriate NIOSH/MSHA-approved respirator, safety goggles, face shields, protective gloves

Section 9. Physical and chemical properties

Color and Form: White solid
Chemical formula: $Pb[(CH_3)_3CCOCHCOC(CH_3)_3]_2$
Formula weight: 573.7
Melting point: 130 ℃
Ignition point: 136 ℃ / 13.3 Pa
Density: 1.52 g/cm^3
Water solubility: Water: insoluble
Flammable: Flammable
Oxidation: None

Section 10. Stability and reactivity

Stability: Stable in closed container under room temperature.
Reactvity
Incompatibility: Strong oxidizing agents
Condition to avoid: No data available.

Section 11. Toxicological information

Acute toxicity (oral, inhalation): GHS (oral, inhalation) : Category 4 ; Harmful if swallowed
Harmful if inhaled (dust)

Acute toxicity (dermal): GHS : No data available
Skin corrosive / irritation: GHS : No data available.
Serious eyes damage / eye irritation: GHS : No data available
Respiratory sensitization: GHS : No data available.

Skin sensitization: GHS : No data available.

Germ cell mutagenicity: GHS : No data available.

Carcinogenicity: GHS : No data available.

Carcinogenicity:

Chemical Name	ACGIH (2013)	IARC (2014)	NTP (2014)
Lead inorganic compounds	A3	2A	R

ACGIH	A3	Confirmed animal carcinogen with unknown relevance to humans..
IARC	2A	Probably carcinogenic to humans.
NTP	R	Reasonably anticipated to be human carcinogens.

Reproductive toxicity: GHS : Category 1 ; May damage fertility or the unborn child

Specific target organ toxicity
—single exposure: GHS : No data available.

Specific target organ toxicity
—repeated exposure: GHS : Category 2 ;May cause damage to organs nervous system, through prolonged or repeated exposure (systemic toxicity)

Aspiration hazard: GHS ; No data available.

Other cautions: Mechanical stimulation by dust affects eyes, skin and respiratory system

Section 12. Ecological information

Ecotoxicity:

Hazards to the aquatic environment—acute toxicity:
GHS : Category 1 ; Very toxic to aquatic life

Hazards to the aquatic environment—chronic toxicity:
GHS ; Category 1 ; Very toxic to aquatic life with long lasting effects

Hazardous to the ozone layer: GHS ; No data available
No Freon or Halon

Fish toxicity: No data available

Degradability: No data available

Bioaccumulative potential : No data available

Ingredients Name	Biological half-life (day)	Rate of absorption oral	Rate of absorption respiratory tract
Pb	1460	0.08	0.29

Mobility in soil: No data available

Section 13. Disposal considerations

Disposal method: User of the product should contract with the local government or licensed 'Industrial Waste Haulers' for disposal of waste.

Section 14. Transport information

UN number: 3077

IATA shipping name: Environmentally hazardous substance, solid, n.o.s.

IATA classification: Hazardous Class 9 (Miscellaneous dangerous substances)

IATA packing group: Ⅲ

HS code: 2914.19

Marine pollution: Yes

Section 15. Regulatory information

TSCA inventory : not listed.
Please refer to any other local / national measures that may be relevant.

Section 16. Other information

The information described above is believed to be correct. However, Kojundo Chemical Lab. makes no representation, warranty nor guarantee of any kind with respect to the information on this data sheet or any use of the product based upon this information.