# **GHS Safety Data Sheet**

SDS No.: BAR02GAEG Date Issued: 2017/04/20

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

#### 1.1 Product Information

#### Product name: Ba(C11H19O2)2 Barium bis(dipivaloylmethanate)

Product number	Purity	Form	Size (mm) or Shape		
BAR11GB	_	solid	_		

# 1.2 Company Information:

Manufacturer: Kojundo Chemical Laboratory Co., Ltd

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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 ,mist) : Category 4 Skin corrosive/irritation:Category 2 Serious eye damage/eye irritation: Category 2 Specific target organ toxicity, single exposure:Category 3	No data available	Substances and mixtures which, in contact with water, emit flammable gases: Not classified				

GHS Label: W



Pictograms or symbols

Warning word: WARNING		
Hazard information	Description of precaution	
Harmful if swallowed Harmful if inhaled (dust ,mist) Causes skin irritation Causes serious eye irritation May cause respiratory irritation	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.  Take off the contaminated clothing and wash before reuse.  Use only outdoors or in well-ventilated area.  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.  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  IF ON SKIN: Remove immediately all contaminated clothing and rinse skin with water/shower. Then wash skin with plenty of soap and water. If skin irritation occurs, get medical advice/attention.  Call a POISON CENTER or doctor/physician if you feel unwell.  Protect from sunlight. Store in a cool, dry and well-ventilated place. Keep container tightly closed.  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: Barium bis(2,2,6,6-tetramethyl-3,5-heptanedionate)

Synonyms: Bis(dipivaloylmethanato) barium

Chemical formula: Ba(C11H19O2)2
Single Substance or Mixture: Single substance

Composition: 100%
CAS #: 17594-47-7
RTECS#: not listed
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 Carbon dioxide, Dry chemical powder, water foam, dry sand.

agents: 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:

Indoor leakage: Ventilate as much as possible until the cleaning is completed. Outdoor leakage: Work from the windward and evacuate the leeward crowd.

Gather up, pack in closed DOT-approved waste container 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.

Avoid prolonged or repeated exposure.

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 the material in a sealed container.

Store in a cool, dry, well ventilated and dark place away from incompatible

materials.

#### Section 8. Exposure controls / personal protection

Exposure guideline: ACGIH (2013): No data available

OSHA (2006): No data available

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: Ba(C11H19O2)2

Formula weight: 503.9 Melting point: 217 °C

Boiling point: 239° C/ 13.3Pa

Water solubility: insoluble
Flammable: Flammable
Oxidation: None

#### Section 10. Stability and reactivity

Stability: Stable when stored in sealed container.

Reactvity

Incompatibility: Strong oxidizing agents

# Section 11. Toxicological information

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

Harmful if inhaled (dust, mist)

Acute toxicity (dermal): GHS: No data available

Skin corrosive / irritation: GHS:: Category 2; Harmful if inhaled Causes skin irritation

Serious eyes damage / eye irritation: GHS :: Category 2; Causes serious eye irritation

Respiratory sensitization: GHS: No data available.

Skin sensitization: GHS: No data available.

Germ cell mutagenicity: GHS: No data available.
Carcinogenicity: GHS: No data available.
Reproductive toxicity: GHS; No data available.

Specific target organ toxicity

-single exposure: GHS: Category 3; May cause respiratory irritation

Specific target organ toxicity

-repeated exposure: GHS; No data available.
Aspiration hazard: GHS; No data available.

# Section 12. Ecological information

Ecotoxicity:

Hazards to the aquatic environment

-acute toxicity: GHS: No data available.-chronic toxicity: GHS: No data available.

Hazardous to the ozone layer: GHS; No data available

No Freon or Halon No data available

Fish toxicity: No data available
Degradability: No data available

Bioaccumulative potential: No data available

Ingredients	Biological half-life	Rate of absorption	
Name	(day)	oral	respiratory tract
Ba	65	0.05	0.28

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: 1564

IATA shipping name: BARIUM COMPOUND, N.O.S.

IATA classification: Hazardous Class 6.1 (Toxic substances)

IATA packing group:

HS code: 2914.19 Marine pollution: None

#### 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.