

## GHS Safety Data Sheet

SDS No. : GAE01PAEG

Date Issued: 2011/04/14

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

#### 1.1 Product Information

**Product name:** Ga Gallium

Product number:	Purity	Form	Size (mm)
GAE03PB	99.9%(3N)	powder	850 $\mu$ m pass
GAE04PB	99.99%(4N)	powder	850 $\mu$ m pass
GAE15GB	99.99%(4N)	tile	ca. 30×30×t 8
GAE16GB	99.999%(5N)	tile	ca. 30×30×t 8
GAE17GB	99.9999%(6N)	tile	ca. 30×30×t 8
GAE07GB	99.99999%(7N)	grains	—
GAE19GB	99.99%(4N)	ingot	—
—	5N~7N	Various forms	Various shapes, Various sizes

#### 1.2 Company Information:

Manufacturer : Kojundo Chemical Laboratory Co., Ltd

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### Section 2. Hazards identification

#### GHS Classification

Health Hazards	Environmental Hazards	Physical Hazards
Skin corrosive/irritation:Category 1	No data available	Corrosive to metals ; Category 1 Flammable solids : Not classified Pyrophoric solids : Not classified Self-heating substances and mixtures : Not classified Substances and mixtures which, in contact with water, emit flammable gases : Not classified

GHS Label: R

Pictograms or symbols



**Warning word:** Warning

#### Hazard information

**May be corrosive to metals**  
**Causes severe skin burns and eye damage**

#### Description of precaution

Avoid breathing dust/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.  
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. Do NOT induce vomiting.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Keep only in original container.  
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

	<p>irritation occurs, get medical advice/attention.  Immediately call a POISON CENTER or doctor/physician.  Absorb spillage to prevent material damage,  Store locked up.  Store in corrosive resistant container with a resistant inner liner.  Dispose of contents/ container in accordance with local/national regulations.</p>
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**Additional hazard information** :With respect to additional hazard information, see Section 11.

### Section 3. Composition / information on ingredients

Chemical or common name:	Gallium
Chemical formula:	Ga
Single Substance or Compound:	Single substance
Composition:	100%
CAS#:	7440-55-3
RTECS#:	LW8600000
TSCA inventory:	listed
EINECS:	2311638

### 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 media:	The product is not combustible. Use media appropriate for surrounding fire.
Fire fighting:	Self-contained breathing apparatus and full protective clothing should be used, if the material is involved in fire.

### Section 6. Accidental release measures

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

### 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: 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, protective gloves.

## Section 9. Physical and chemical properties

Color and Form: Bluish white metal. Soft, odorless.

Chemical formula: Ga

Atomic weight: 69.72

Melting point: 27.78 °C

Boiling point: 2403 °C

Density: 5.907 g/cm<sup>3</sup>

Solubility: Water: Insoluble  
Dissoluble: Dissolves in acids, bases.

Flammable: Non-combustible substance

Oxidation: None

## Section 10. Stability and reactivity

Stability: Stable in closed container at room temperature.

Reactivity: May be corrosive to metals.

Condition to avoid: Moisture.

Incompatibility: Strong acids, strong oxidizing agent, halogens, strong bases, aluminum alloys.

## Section 11. Toxicological information

Acute toxicity: GHS ; No data available

Skin corrosive / irritation: GHS ; Category 1; Causes severe skin burns and eye damage

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

Reproductive toxicity:	GHS ; No data available
Specific target organ toxicity — single exposure:	GHS ; No data available
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
Hazards to the aquatic environment — chronic toxicity:	GHS ; No data available
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
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:	2803
IATA shipping name:	Gallium
IATA classification:	Hazardous Class 8 (Corrosive substances)
IATA packing group:	III
HS code:	8112.92
Marine pollution:	None

## Section 15. Regulatory information

TSCA inventory : 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.