

# Material Safety Data Sheet

Approval Date : 07.02.02

Print Date : .

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## **1. Chemical product and company identification**

Product name: **Gallium**

Company: HEK GmbH, Kaninchenborn 24 - 28, D - 23560 Lübeck, Tel.: ++451/530040; Emergency no. München: ++89/19240

## **2. Composition / information on ingredients**

Chemical characterization (substance): Gallium

Hazardous ingredients: None

## **3. Hazards identification**

No hazards known

## **4. First aid measures**

Inhalation: Not relevant

Skin contact: Wash with water and soap

Eye contact: Flush with water for 15 min

Ingestion: Wash mouth with water, contact a physician

## **5. Fire-fighting measures**

Suitable extinguishing media: The metal does not burn

Not suitable extinguishing media: Water sprayjet is not suitable for overheated metal, halone

Specific hazards: Do not breathe fumes

Protection for firefighters: Unknown

## **6. Accidental release measures**

Personal precautions: Molten metal should be solidified before further measures

Environmental precautions: Do not empty into drains

Methods for cleaning up: Take up mechanically

## **7. Handling and storage**

Handling: Pay attention to the low melting point

Storage: Store in closed containers

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

Personal protective equipment:

Hand protection: Wear suitable gloves

Eye protection: Wear protecting glasses

Respiratory protection, body protection: Not necessary

## **9. Physical and chemical properties**

Appearance:

Form: solid

Colour: metallic

Odour: none

Change in physical state:

Melting point: 29.8 °C

Boiling point: 2403 °C

Flash point: not relevant

Explosive properties: not relevant

Vapour pressure: unknown

Density (20 °C): appr. 5.9 g/cm<sup>3</sup>

Solubility (in water): insoluble, soluble in mineral acids

pH-Value: not relevant

## **10. Stability and reactivity**

Materials and conditions to avoid: None

## **11. Toxicological information**

Toxicological not relevant

## **12. Ecological information**

Toxic to ground water, prevent discharge into the sewer system and ground water

## **13. Disposal considerations**

Pass on to an appropriate incinerating plant

