

Material Safety Data Sheet

Approval Date : 14.08.00

Print Date : .

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1. Chemical product and company identification

Product name: **Tin (f.e. granules 2- 4mm, ingots etc.)**

Use of the substance/preparation: f.e. steel industry

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

2. Composition / information on ingrediants

Chemical characterization (substance): Tin

Hazardous ingredients: None

3. Hazards identification

No hazards known (as non-powdered material)

4. First aid measures

Ingestion: Drink water, do not vomit, 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 dust

Protection for firefighters: Dust mask

6. Accidental release measures

Personal precautions: None

Environmental precautions: None

Methods for cleaning up: Take up mechanically

7. Handling and storage

Handling, Storage: No special measures required

8. Exposure controls / personal protection

Personal protective equipment (hand,eye, skin, respiratory system): None

Exposure controls: None (as non-powdered material)

Do not drink, eat or smoke, after shift wash thoroughly with soap and water

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9. Physical and chemical properties

Appearance:

Form: solid

Colour: metallic

Odour: none

Change in physical state:

Melting point: 232 °C

Boiling point: 2687 °C

Flammability: not flammable

Flash point: not relevant

Explosive properties: not relevant

Oxidising properties: not relevant

Vapour pressure: unknown

Density (20 °C): 7.29 g/cm³

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

pH-Value: not relevant

Partition coefficient: not known

Viscosity: solid

10. Stability and reactivity

Materials to avoid: Strong acids

Conditions to avoid: None

11. Toxicological information

Toxicological not relevant

12. Ecological information

Not known, prevent discharge into the sewer system and ground water

13. Disposal considerations

Pass on to an appropriate incinerating plant

14. Transport information

No dangerous good as non-powdered material

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15. Regulatory information

Symbol : None

R-, S-Phrases : None

16. Other information

Changes were made in sections 1, 8 and 9.