

Material Safety Data Sheet

Approval Date : 07.02.02

Print Date : .

Page 1 of 3

1. Chemical product and company identification

Product name: **Selenium**

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): Selenium

Hazardous ingredients: Selenium

3. Hazards identification

R 23/25 Toxic by inhalation and if swallowed

R 33 Danger of cumulative effects

4. First aid measures

Inhalation: When inhaled remove to fresh air, keep calm and seek medical aid

Skin contact: Wash with plenty of water, remove clothes

Eye contact: Flush with water for 15 min, seek medical advice

Ingestion: Flushing of stomach, seek medical advice

5. Fire-fighting measures

Suitable extinguishing media: All

Specific hazards: Do not breath dusts and fumes

Protection for fire-fighters: Use breathing apparatus and protective clothing

6. Accidental release measures

Personal precautions: Take care for good ventilation, do not breath dust

Environmental precautions: Do not spill into environment or drain water

Methods for cleaning up: Take up mechanically, avoid formation of dust by wetting

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7. Handling and storage

Handling: Provide exhaust ventilation if dust is formed, take care for good ventilation, use a dust mask

Storage: Store in closed containers

8. Exposure controls / personal protection

Personal protective equipment:

Hand protection: Wear suitable gloves

Eye protection: Wear protecting glasses

Respiratory protection: In case of dust formation, use a mask (P3)

Body protection: Protection clothes

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

9. Physical and chemical properties

Appearance:

Form: solid

Colour: grey

Odour: none

Change in physical state:

Melting point: 217 °C

Boiling point: 685 °C (1 bar)

Flash point: not relevant

Explosive properties: not relevant

Vapour pressure (1000 °C): not relevant

Density (20 °C): 4.81 g/cm³

Solubility (in water): insoluble

pH-Value: not relevant

10. Stability and reactivity

Materials and conditions to avoid: Strong heating

11. Toxicological information

Skin, eyes, ingestion: Unknown

Inhalation: Irritant

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Page 3 of 3

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12. Ecological information

Strong toxic to ground water, prevent discharge into the sewer system and ground water

13. Disposal considerations

Pass on to an appropriate incinerating plant

14. Transport information

Product is no dangerous good

15. Regulatory information

Symbol : T – toxic

R-Phrases : R 23/25 Toxic by inhalation and if swallowed
R 33 Danger of cumulative effects

S-Phrases: S 20/21 When using do not eat, drink or smoke
S 28 After contact with skin, wash immediately with plenty of water and soap
S 45 In case of accident or if you feel unwell, seek medical advice immediately
(show the label where possible)

16. Other information

None