

THURMO STOP-LEAK

Date 10.12.2008

Previous date: -

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

- 1.1 Identification of the substance or preparation**
- 1.1.1 Commercial Product Name**
THURMO STOP-LEAK
- 1.2 Use of the Substance/Preparation**
- 1.2.1 Expressed in writing**
To seal leaks in systems with warm circulating liquid.
- 1.3 Company/undertaking identification**
- 1.3.1 Supplier**
Thurmo Oy
- 1.3.2 Contact information**
- | | |
|---------------------------------|------------------|
| P.O.Box | Tulkinkuja 3 D |
| Postcode and post office | 02650 ESPOO |
| Telephone | +358 9 47301260 |
| Telefax | +358 42 5122545 |
| Email | office@thurmo.fi |
- 1.4 Emergency telephone**
- 1.4.1 Telephone number, name and address**
(09) 471 977 - 24h (09 4711)
Poison information centre, Haartmaninkatu 4, 00290 HELSINKI

2. HAZARDS IDENTIFICATION

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

3. COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Hazardous components**
- | 3.1.1 CAS/EC and Reg.number | 3.1.2 Chemical name of the substance | 3.1.3 Concentration | 3.1.4 Classification |
|------------------------------------|---|----------------------------|-----------------------------|
| 7429-90-5 | Aluminum powder | 5 - 10 % | F; R15-17 |
- 3.1.7 Other information**
Aluminum powder is stabilized during the manufacturing process of this product.

4. FIRST AID MEASURES

- 4.1 Additional advice**
Get medical attention if any discomfort continues. Do not give victim anything to drink if he is unconscious.
- 4.2 Inhalation**
Remove from exposure to fresh air. Keep victim warm and at rest.
- 4.3 Skin contact**
Flush skin with plenty of water and soap.
- 4.4 Eye contact**
Remove contact lenses if possible. Flush eyes with plenty of water occasionally lifting the upper and lower eyelids.
- 4.5 Ingestion**
Flush the mouth. If greater amounts of product have been ingested, consult a doctor.

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5. FIRE-FIGHTING MEASURES

- 5.1 Suitable extinguishing media**
foam, carbon dioxide, powder.
- 5.2 Extinguishing media which must not be used for safety reasons**
Water: Do not use a direct jet of water or high-pressure jet.
- 5.3 Specific hazards**
None known.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions**
Avoid breathing dust.
- 6.2 Environmental precautions**
Large volumes must not be drained into drainage systems or watercourses.
- 6.3 Methods for cleaning up**
Collect in suitable and dry containers to be disposed of in accordance with local regulations.

7. HANDLING AND STORAGE

- 7.1 Handling**
Avoid breathing dust.
- 7.2 Storage**
To be stored in a dry place with temperature between 5 - 40 °C and protected from heat. To be kept separate from oxidizers, alkalis and acids. To be kept separate from food stuff.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.2 Exposure controls**
- 8.2.1 Occupational exposure controls**
Do not eat, drink or smoke while working. Avoid breathing dust.
- 8.2.1.1 Respiratory protection**
Normally not needed. If dust forms while working, suitable respiratory protection equipment must be used (class P2).
- 8.2.1.2 Hand protection**
Wear protection gloves for prolonged or repeated skin contact.
- 8.2.1.3 Eye protection**
Normally not needed. Use safety goggles in case of handling larger volumes and dust forming.
- 8.2.1.4 Skin and body protection**
Normally not needed.
- 8.2.2 Environmental exposure controls**
Do not release large volumes in soil, waterways or drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 General Information (appearance, odour)**
Gray powder, has a slight smell of naphtalene.
- 9.2 Important Health Safety and Environmental Information**
- 9.2.9 Solubility**
- 9.2.9.1 Water solubility** Good in temperatures over 70 °C.
- 9.3 Other information**
Density 738 kg/m³.

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10. STABILITY AND REACTIVITY

- 10.1 Conditions to avoid**
Stable under normal storage and handling conditions.
- 10.2 Materials to avoid**
Oxidizing agents, strong acids and strong alkalis.
- 10.3 Hazardous decomposition products**
None known.

11. TOXICOLOGICAL INFORMATION

- 11.1 Acute toxicity**
There is no toxicological information available for this specific product

12. ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity**
- 12.1.1 Aquatic toxicity**
There is no ecotoxicological information available for this specific product
- 12.6 Other adverse effects**
Do not release large volumes in soil, waterways or drains.

13. DISPOSAL CONSIDERATIONS

Disposal in accordance with national and official regulations.

14. TRANSPORT INFORMATION

- 14.3 Land transport**
- 14.3.4 Further Information** Not classified as dangerous for transport purposes.

15. REGULATORY INFORMATION

- 15.1 Information on the warning label**
- 15.1.1 Letter code of the warning symbol and indications of danger for the preparation**
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16. OTHER INFORMATION

- 16.1 List of relevant R phrases**
R15 Contact with water liberates extremely flammable gases.
R17 Spontaneously flammable in air.
- 16.4 Additional information available from:**
Thurmo Oy
- 16.5 Literary reference**
MSDS dated 1.11.2008.