

# EEC-Safety data sheet

## PHASE CHANGE MATERIAL

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Version: 1 Date: 15.01.2007 Revision: 29/04/2009

### 1. Chemical product and company identification

#### **RUBITHERM® GR 42 (1 – 3)**

##### **Manufacturer/supplier:**

Rubitherm Technologies GmbH  
Sperenberger Str. 5a, 12277 Berlin  
Tel.: +49 30/720004-62, Fax: +49 30/720004-99

##### **Emergency telephone:**

Tel.: +49 30/720004-62

### 2. Potential hazards

#### **Potential dangers for health and environment:**

No hazards known. No hazardous substance in the sense of Ordinance of Hazardous Substances.

### 3. Composition/information of ingredients

#### **Chemical characterisation:**

Paraffin on inorganic base

CAS-No.: 8002-74-2; 61790-53-2

EINECS-No.: 232-315-6

### 4. First-aid measures

#### **Inhalation:**

Take concerned person to fresh air. In case of lasting aches and pains take medical advices.

#### **Eye contact:**

Rinse out eyes with cold water. In case of irritation take medical advices immediately.

#### **Skin contact:**

In case of contact wash concerned skin with water and soap. In case of irritation take medical advices.

#### **In case of swallowing:**

Rinse out mouth with water and drink water. Don't induce vomiting, risk of aspiration. Take medical advices.

### 5. Fire-fighting measures

#### **Suitable means for extinguishing:**

Foam, sand, carbon dioxide, water mist, powder

#### **Unsuitable means for extinguishing:**

Water jet

#### **Special hazards caused by the substance, its combustion products or arising gases:**

Don't inhale combustion gases and suspended matter which formed at combustion. Carbon monoxide, Carbon dioxide and soot can also develop.

#### **Special protective equipment in closed rooms:**

Use breathing apparatus independent from ambient air.

### 6. measures in case of unintended release

#### **Personal precautions:**

No special measures necessary.

#### **Environmental precautions:**

It's not allowed to drain product into environment

#### **Methods for cleaning:**

Clean spilled material mechanically.

### 7. Handling and storage

#### **Handling**

##### **Advices for safe handling:**

No special measures while using the product correctly.

##### **Storage:**

Store the product cool and dry. No legal regulation concerning storage.

VCI storage class: 11

### 8. Exposure restrictions and personal protective equipment

#### **Ingredients with occupational limits should be monitored:**

Threshold values don't exist.

#### **Personal protective equipment:**

No protective clothes necessary.

### 9. Physical and chemical properties

<b>Physical state:</b>	solid
<b>Colour:</b>	auburn
<b>Odour:</b>	odourless
<b>pH-value:</b>	n.a.
<b>Melting area:</b>	38 – 43 °C
<b>typical:</b>	41 °C
<b>Flash point (DIN-ISO 2592):</b>	approx. 190 °C
<b>Vapour pressure at 20°C:</b>	< 0.01 hPa
<b>Mean Density at 20°C:</b>	0.826 g/ml
<b>Solubility at 20°C - in water:</b>	insoluble
	n.a. = not applicable

### 10. Stability and reactivity

#### **Conditions to avoid:**

The product is chemically inert to all chemicals except for hydrofluoric acid.

#### **Materials to avoid:** strong oxidising agents

**Decomposition products:** None, when using as instructed.

### 11. Toxicological information

Orale LD50:	>5000 mg/kg (Rat)
Dermale LD50:	>2000 mg/kg (Rat)

Skin irritation:	not irritant
Eye irritation:	not irritant
Sensitisation:	not available
Mutagenic:	not mutagenic
Carcinogenic:	not carcinogenic

### 12. Environmental details

The product is water insoluble; therefore it can be eliminated mechanically in purification plants.

#### **Information for elimination (persistence and degradability):**

Biodegradable.

#### **Fish toxicity:**

LC50 / fish (2 days):	no effect (saturated solution)
EC50 / daphnia (2 days):	no effect (saturated solution)
EC50 / algae (3 days):	no effect (saturated solution)

### 13. Disposal advices

Disposed after consultation with authority according to the following waste codes (European Waste Catalogue):

<u>EWC-Code</u>	<u>Description</u>
07 01 99	Wastes not otherwise specified
12 01 12	Spent waxes and fats

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**14. Transport information**

No hazardous material in the meaning of RDA/RID; GGVS/GGVE;  
ADNR/ADN; IMDG/GGVSee; ICAO-TI and IATA-DGR.

**15. Statutory provisions**

**Classification and labelling:** inflammable

Risk phrases:

R 10 inflammable

Safety phrases:

S 16 keep away from ignition sources – don't smoke

**National regulations**

**Germany:**

**Water hazard class (WGK):** Not water endangering  
substance according to Annex I VwVwS

**16. Other information**

**Literature:**

Ullmann's Encyclopedia of Industrial Chemistry, 5<sup>th</sup>  
Edition, Vol. A 28, Chapter „Waxes“, Verlag Chemie  
GmbH, 1996.  
Shubik et al., Toxicol. Appl. Pharmacol., 4, Suppl. 1-62,  
1962

This safety data sheet describes a product group. It contains  
only safety related information. For specific data see product  
data sheet.

The information in this data sheet is gathered to the best of RUBITHERM's  
knowledge and belief and fits as the experiences stand at the moment.  
RUBITHERM doesn't guarantee the adherence of certain features in sense  
of legally binding.

In case of questions please call number given in point 1.

**Rubitherm Technologies GmbH**

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