

SIKA Dr. Siebert &  
Kühn  
GmbH & Co. KG  
Struthweg 7-9  
34260 Kaufungen

**Product safety data sheet**  
compliant with ordinance (EC) no. 1907  
/ 2006



Trade name: Thermometer with special filling

Written on:

Version:  
1.2

Revision / Issue date: 04/23/2014

## Section 01: Designation of the product and the company

### Product identifier

Thermometer with special filling in the colours RED or BLUE

### Use of the substance / the preparation / the product

Thermometer for commercial use

### Manufacturer / supplier

SIKA Dr. Siebert & Kühn GmbH & Co. KG  
Struthweg 7-9  
34260 Kaufungen

### Contact point for technical information

Area: Technical advice

Availability: Mo. – Fr. 08 am – 4.15 pm

Tel.: +49 (0)5605 803-0 Fax.: +49 (0)5605 803-54

E-Mail.: info@sika.net

### Emergency information

Poison information Berlin

Beratungsstelle für Vergiftungserscheinungen und Embryonaltoxikologie

Spandauer Damm 130, D-14050 Berlin

Telefon +49 (0)30 - 19 240 in case of emergency or +49 (0) 30 - 30 68 67 11 for general questions

## Section 02: Potential dangers

### Classification

This is a product.

### Labelling elements

None

### Other hazards for humans and the environment

None -- when the product is handled properly and as intended.

(Text of the H, and EUH-sentences: see Section 16)

## Section 03: Composition/Information on ingredients

### Chemical characterisation

The product consists of a sealed glass body and a liquid display medium located in the interior of the glass body.

Additional information:


The component parts of the fluid display medium stated under "ingredients" are permanently "encapsulated" which prevents emissions or migrations in such a manner that there is no danger from these ingredients.

### Ingredients of the display medium

Paraffin oil 75% – 85%  
CAS number: 8008-20-6 EU number: 232-366-4

Isoamylbenzoate 13% – 24%  
CAS number: 94-46-2 EU number: 232-366-4

Colouring substances BLUE, or alternative colourant RED 1% – 2%

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<p><b>Safety instructions of the main componentparaffin oil:</b>          H304 May be fatal if swallowed and enters airways.          H412 Toxic to aquatic life with long lasting effects.          EUH066 Repeated exposure may cause skin dryness or cracking.</p>
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**Safety instructions of the main component paraffin oil:**

P273 Avoid release to the environment.

P102 Keep out of reach of children.

P301+P310 IF SWALLOWED:Immediately call a POISON CENTER or doctor/physician.

P331 Do NOT induce vomiting.

**Section 04: First-aid measures**

**In case of inhalation or ingestion**  
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**In case of skin contact**

During proper use as intended, comply only with normal industrial hygiene.

**In case of contact with eyes**  
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**Information for the physician**  
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**Section 05: Measures for fire fighting**

**Suitable extinguishing medium**

Foam, solid extinguishing agent, carbon dioxide or water-spray jet. Match extinguishing agent to the environment.

**Unsuitable extinguishing medium**

High-pressure water spray

**Specific risks caused by the product itself, its combustion products or resulting gases**

In case of fire there is a danger of the product bursting and development of dangerous fire effluents or vapours is possible. Avoid contact with the heated material.

**Special protective equipment for fire fighting**

Wear suitable protective clothing. In case of fire do not breathe fumes. Stay in the danger zone only with self-contained breathing apparatus.

**Additional information**

Cool endangered products with water-spray jet; dispose of fire residues and contaminated water for firefighting according to official local regulations.

**Section 06: Accidental release measures**


**Personal precautions**

Wear protective gear and keep unprotected persons away. Ensure sufficient ventilation. Be careful when picking up glass splinters - risk of injury! Avoid contact with skin. Do not inhale vapours. Keep ignition sources at a distance.

**Environmental measures**

Do not empty into drains or water.

**Procedures for cleaning/absorption**

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Broken glass mechanically, absorb display medium with liquid binding material. Ensure sufficient ventilation.

**Additional information**

See Sections 8 and 13

**Section 07: Handling and storage**

**Instructions on safe handling**

Do not bump/push or throw the product or the packaging. Follow the generally acknowledged rules on the cautious handling of glass tubes and the rules of occupational safety, health and environmental protection.

**Precautions against fire and explosion**

Follow the general rules of the fire protection.

**Additional information**

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**Information on storage conditions**

Keep the product and packaging dry and tightly closed.

Information on storage with other products: Comply with the regulations / technical rules on storing together flammable liquids.

Storage class: 10 (TRGS 510, storage of hazardous substances in transportable containers)

**Section 08: Limitation and monitoring of exposure / personal protective equipment**

**Limits for the exposure at the workplace and / or biological limit values**

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**Occupational Exposure Limits (Oels) Germany**

For further processing of the product depending on the specific workplace activities, the pertinent fine-dust limits or occupational exposure limits are to be complied with; extraction equipment is to be provided for this purpose if necessary.

**Limitation and monitoring of exposure**

Ensure good ventilation. This can be achieved by local exhaust ventilation or general exhaust air.

**Personal protective equipment**

Select the version of the personal protective equipment based on the specific workplace activities.

**Respiratory protection**

Normally not necessary. Respiratory protection when there is a danger of bursting through a subsequent operation.

**Hand protection**

Normally not necessary. Protective gloves when there is a danger of bursting through a subsequent operation.

**Eye protection**

Normally not necessary. Wear protective glasses when there is a danger of bursting through a subsequent operation.

**Information on occupational hygiene**

Follow the generally acknowledged measures for industrial hygiene.

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**Limitation and monitoring of environmental exposure**

At present, there is no information on this subject.

**Section 09: Physical and chemical properties**

**Appearance**

Form: Glass body with display medium  
Colour: RED / BLUE  
Odour: Ofaromatics

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**Safety-related data of the display medium enclosed in the glass body**

Explosion hazard: The liquid display medium is not explosive  
Water solubility: Insoluble  
Boiling point/range: 260-290°C  
Flash point: >61°C

Oxidizing properties: only in case of fire or excessive heating

**Further information**

Temperature display range of the thermometer: -70°C to +250°C

**Section 10: Stability and reactivity**

**Conditions to avoid**

Strong heat development that exceeds the temperature display range.

**Materials to avoid**

When used for its intended purpose no hazardous reactions are to be expected.

**Hazardous decomposition products**

No known decomposition with proper storage, handling, transport and use.

**Further information**

No hazardous reactions have been observed.

**Section 11: Toxicological Information**

**Toxicological tests**

This is a product. The product has not been tested.

**Experience from practice**

In case of normal handling and use, based on our experiences and information the product does not cause any harmful effects.

**Section 12: Environmentally related information**

**Toxicity**

This is a product. In case of normal handling and use, based on our experiences and information the product does not cause any environmental impacts.

**Persistence and degradability**

The product is not easily biodegradable in this form.

**Bioaccumulation potential**

No indication of bioaccumulation potential with proper use

**Mobility in the soil**

There is no information available


**Results of the investigation of the PBT and vPvB assessment**

There is no information available.

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<p><b>Other adverse effects, or ecological information</b>          None with proper use or handling. There is no information available.</p>
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### Section 13: Information about disposing

#### Waste treatment methods

Dispose of product and packaging in compliance with the local official regulations.

#### Recommendation:

Product must not be disposed of with household rubbish. May be disposed to authorised collectors or thermal recovery in an authorised facility.

### Section 14: Transport Information

#### Note:

Information on the safety datasheet of the display medium's individual components:

*Not a dangerous good according to the transport regulations*

#### Transport by land

ADR / RID / GGVSEB      Not a dangerous good according to the transport regulations  
 ADN

#### Transport by sea vessel

IMDG/GGVSee      Not a dangerous good according to the transport regulations

#### Transport by air

IATA      Not a dangerous good according to the transport regulations

#### Special precautions to be taken by the user

Not a dangerous transport good. Unless otherwise specified, comply with the general measures for the implementation of safe transport.

#### Bulk Transport in accordance with Annex II to the MARPOL 73/78 Convention and in accordance with IBC Code

Not a dangerous good according to the transport regulations

### Section 15: Legal regulations

#### Safety, health and environmental regulations/legislation specific for the substance, mixture or product

VOC      For indoor use  
 AGW      -----


Water hazard classification:      Applies to sealed main component paraffin oil: WGK 2 (hazardous to water)

Special note      When handling the product, comply with the national rules on industrial safety and health protection as well as environmental protection.

#### Substance designation

At present, there is no information on this subject.



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## Section 16: Other data

This information is based on the product as delivered.  
 Comply with official / trade association / occupational health regulations.

### Relevant statements

#### Safety instructions of the main component paraffin oil only:

H304 May be fatal if swallowed and enters airways.

H412 Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking

### Abbreviations

**ADN:** European Agreement concerning the Carriage of Dangerous Goods by Inland Waterways

**RID:** Stipulation on the international carriage of dangerous goods.

**GGVSEB (hazardous-goods directive):** Regulation on the national and international transport of dangerous goods by road, by rail and inland waterways

**GGVSEE (Hazardous Goods Transportation Regulations for Sea):** Regulation on the transport of dangerous goods by sea-going vessels

**IMDG:** International code to the transportation of dangerous goods by sea on vessels

**IATA:** International Air Transport Association

### Other instructions

The information provided here is intended to describe the product regarding the necessary safety precautions.

The above information is correct to the best of our knowledge and does not constitute a warranty of properties. No liability will be accepted.

Existing laws and legislation are responsibility of the recipient of our products.