

Rudolf Hensel GmbH  
21039 Börnsen

Date printed 29.09.2014, Revision 29.09.2014

Version 02. Supersedes version: 01

Page 1 / 8

## SECTION 1: Identification of the substance / preparation and of the company

### 1.1 Product identifier

**HENSOTHERM 7 KS**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1 Relevant uses

Fire retardant coating

#### 1.2.2 Uses advised against

None known.

### 1.3 Details of the supplier of the safety data sheet

Company	Rudolf Hensel GmbH Lauenburger Landstr. 11 21039 Börnsen / GERMANY Phone +49 (0)40-72 10 62 10 Fax +49 (0)40-72 10 62 52 Homepage <a href="http://www.rudolf-hensel.de">www.rudolf-hensel.de</a> E-mail <a href="mailto:info@rudolf-hensel.de">info@rudolf-hensel.de</a>
---------	--

#### Address enquiries to

Technical information	<a href="mailto:info@rudolf-hensel.de">info@rudolf-hensel.de</a>
-----------------------	--

Safety Data Sheet	<a href="mailto:sdb@chemiebuero.de">sdb@chemiebuero.de</a>
-------------------	--

### 1.4 Emergency phone

Company	+49 (0)40-72 10 62 10 (7:00 - 17:00) 0172 4115390 (17:00 - 07:00)
---------	---

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### 2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

No classification.

#### 2.1.2 Classification according to Directive 67/548/EEC or 1999/45/EC

No classification.

### 2.2 Label elements

The product does not require a hazard warning label in accordance with EC-directives.

#### Labelling according to Regulation (EC) 1272/2008

##### Hazard pictograms

Hazard statements	none
-------------------	------

2004/42/CE	0 g/l II A i WB One-pack performance coatings (max. 140 g/l)
------------	--

### 2.3 Other hazards

Physico-chemical hazards	No particular hazards known.
--------------------------	------------------------------

Human health dangers	Frequent persistent contact with the skin can cause skin irritation.
----------------------	--

Environmental hazards	Does not contain any PBT or vPvB substances.
-----------------------	--

Other hazards	Further hazards were not determined with the current level of knowledge.
---------------	--

## SECTION 3: Composition / Information on ingredients

#### Product-type:

The product is a mixture.

#### Comment on component parts

No dangerous components.  
Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.

Rudolf Hensel GmbH  
21039 Börnsen

Date printed 29.09.2014, Revision 29.09.2014

Version 02. Supersedes version: 01

Page 2 / 8

#### SECTION 4: First aid measures

##### 4.1 Description of first aid measures

<b>General information</b>	Change soaked clothing.
<b>Inhalation</b>	Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
<b>Skin contact</b>	When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	Supply with medical care. Do not induce vomiting. Rinse out mouth and give plenty of water to drink.

##### 4.2 Most important symptoms and effects, both acute and delayed

Headache

##### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

#### SECTION 5: Fire-fighting measures

##### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.
<b>Extinguishing media that must not be used</b>	Full water jet.

##### 5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released:  
Carbon monoxide (CO)

##### 5.3 Advice for firefighters

Use self-contained breathing apparatus.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

#### SECTION 6: Accidental release measures

##### 6.1 Personal precautions, protective equipment and emergency procedures

High risk of slipping due to leakage/spillage of product.

##### 6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).  
Do not discharge into the drains/surface waters/groundwater.

##### 6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, diatomaceous earth).  
Dispose of absorbed material in accordance within the regulations.

##### 6.4 Reference to other sections

See SECTION 8+13

Rudolf Hensel GmbH  
21039 Börnsen

Date printed 29.09.2014, Revision 29.09.2014

Version 02. Supersedes version: 01

Page 3 / 8

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

No special measures necessary if used correctly.

Wash hands before breaks and after work.  
Use barrier skin cream.  
Do not eat, drink, smoke or take drugs at work.  
Clean skin thoroughly after work, apply skin cream.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.

Keep container tightly closed.  
Keep away from frost.

### 7.3 Specific end use(s)

See product use, SECTION 1.2

## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

Ingredients with occupational  
exposure limits to be monitored (GB)

not applicable

### 8.2 Exposure controls

**Additional advice on system design**

Ensure adequate ventilation on workstation.

**Eye protection**

Safety glasses.

**Hand protection**

Butyl rubber, >480 min (EN 374).  
The details concerned are recommendations. Please contact the glove supplier for further information.

**Skin protection**

light protective clothing

**Other**

Avoid contact with eyes and skin.  
Do not inhale aerosols.  
Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.

**Respiratory protection**

Breathing apparatus in the event of aerosol or mist formation.  
Short term: filter apparatus, filter P2.

**Thermal hazards**

not applicable

**Delimitation and monitoring of the  
environmental exposition**

See SECTION 6+7.

Rudolf Hensel GmbH  
21039 Börnsen

Date printed 29.09.2014, Revision 29.09.2014

Version 02. Supersedes version: 01

Page 4 / 8

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form	pasty
Color	black grey
Odor	characteristic
Odour threshold	not determined
pH-value	not determined
pH-value [1%]	not determined
Boiling point [°C]	not determined
Flash point [°C]	not applicable
Flammability [°C]	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidizing properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/ml]	1,15 - 1,25
Bulk density [kg/m <sup>3</sup> ]	not applicable
Solubility in water	miscible
Partition coefficient [n-octanol/water]	not determined
Viscosity	2000-8000 mPa.s (20°C)
Relative vapour density determined in air	not applicable
Evaporation speed	not applicable
Melting point [°C]	not determined
Autoignition temperature [°C]	not applicable
Decomposition temperature [°C]	not determined

### 9.2 Other information

none

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known if used as directed.

### 10.2 Chemical stability

The product is stable under standard conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known.

### 10.4 Conditions to avoid

See SECTION 7.2.

### 10.5 Incompatible materials

not applicable

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

Rudolf Hensel GmbH  
21039 Börnsen

Date printed 29.09.2014, Revision 29.09.2014

Version 02. Supersedes version: 01

Page 5 / 8

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Serious eye damage/irritation	not determined
Skin corrosion/irritation	not determined
Respiratory or skin sensitisation	not determined
Specific target organ toxicity — single exposure	not determined
Specific target organ toxicity — repeated exposure	not determined
Mutagenicity	not determined
Reproduction toxicity	not determined
Carcinogenicity	not determined
General remarks	

Toxicological data of complete product are not available.  
No classification on the basis of the calculation procedure of the preparation directive.  
The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

## SECTION 12: Ecological information

### 12.1 Toxicity

### 12.2 Persistence and degradability

Behaviour in environment compartments	not determined
Behaviour in sewage plant	not determined
Biological degradability	not determined

### 12.3 Bioaccumulative potential

Accumulation in organisms is not expected.

### 12.4 Mobility in soil

not determined

### 12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

### 12.6 Other adverse effects

No classification on the basis of the calculation procedure of the preparation directive.  
Ecological data of complete product are not available.  
The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

Rudolf Hensel GmbH  
21039 Börnsen

Date printed 29.09.2014, Revision 29.09.2014

Version 02. Supersedes version: 01

Page 6 / 8

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

##### Product

Coordinate disposal with the authorities if necessary.

##### Waste no. (recommended)

080120

##### Contaminated packaging

Packaging that cannot be cleaned should be disposed of as for product.  
Uncontaminated packaging may be taken for recycling.

##### Waste no. (recommended)

150102  
150104

### SECTION 14: Transport information

#### 14.1 UN number

See SECTION 14.2 in accordance with UN shipping name

#### 14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

#### 14.3 Transport hazard class(es)

See SECTION 14.2 in accordance with UN shipping name

#### 14.4 Packing group

See SECTION 14.2 in accordance with UN shipping name

#### 14.5 Environmental hazards

See SECTION 14.2 in accordance with UN shipping name

#### 14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

#### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

not applicable



Rudolf Hensel GmbH

21039 Börnsen

Date printed 29.09.2014, Revision 29.09.2014

Version 02. Supersedes version: 01

Page 7 / 8

### SECTION 15: Regulatory information

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

<b>EEC-REGULATIONS</b>	1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC
<b>TRANSPORT-REGULATIONS</b>	DOT-Classification, ADR (2013); IMDG-Code (2013, 36. Amdt.); IATA-DGR (2013).
<b>NATIONAL REGULATIONS (GB):</b>	EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4
<b>- Observe employment restrictions for people</b>	no
<b>- VOC (1999/13/CE)</b>	0 g/l

#### 15.2 Chemical safety assessment

not applicable

### SECTION 16: Other information

#### 16.1 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
 CAS = Chemical Abstracts Service  
 CLP = Classification, Labelling and Packaging  
 DMEL = Derived Minimum Effect Level  
 DNEL = Derived No Effect Level  
 EC50 = Median effective concentration  
 ECB = European Chemicals Bureau  
 EEC = European Economic Community  
 EINECS = European Inventory of Existing Commercial Chemical Substances  
 ELINCS = European List of Notified Chemical Substances  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
 IC50 = Inhibition concentration, 50%  
 IMDG = International Maritime Code for Dangerous Goods  
 IUCLID = International Uniform Chemical Information Database  
 LC50 = Lethal concentration, 50%  
 LD50 = Median lethal dose  
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
 PBT = Persistent, Bioaccumulative and Toxic substance  
 PNEC = Predicted No-Effect Concentration  
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
 TLV@TWA = Threshold limit value – time-weighted average  
 TLV@STEL = Threshold limit value – short-time exposure limit  
 VOC = Volatile Organic Compounds  
 vPvB = very Persistent and very Bioaccumulative

#### 16.2 Other information

##### Classification procedure

##### Modified position

SECTION 15 been added: EUH210 Safety data sheet available on request.  
 SECTION 2 been added: none  
 SECTION 4 been added: If eye irritation persists: Get medical advice/attention.  
 SECTION 4 been added: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 SECTION 5 been added: In the event of fire the following can be released:  
 SECTION 7 been added: Clean skin thoroughly after work, apply skin cream.  
 SECTION 8 been added: Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.  
 SECTION 10 been added: not applicable  
 SECTION 12 been added: Accumulation in organisms is not expected.



Rudolf Hensel GmbH  
21039 Börnsen

Date printed 29.09.2014, Revision 29.09.2014

Version 02. Supersedes version: 01

Page 8 / 8



Copyright: Chemiebüro®

