

according to Regulation (EC) No 1907/2006

#### Thermodur-satina

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

## 1.1. Product identifier

Thermodur-satina

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

## Use of the substance/mixture

Product for professional cleaning and maintenance

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

Company name: JOHANNES KIEHL KG

Street: Robert-Bosch-Str. 9
Place: D-85235 Odelzhausen

Telephone: +49 8134 9305-0 Telefax: +49 8134 6466

e-mail: info@kiehl-group.com Internet: www.kiehl-group.com

Responsible Department: Notrufnummer für deutsch- und englischsprachige Länder: +49/89/19240

Vergiftungsinformationszentrale (VIZ) Österreich: +43 1 406 43 43 Nationale Notrufnummer für die Schweiz (Tox-Zentrum Zürich): 145

Numéro d'urgence France: INRS: +33 (0) 1 45 42 59 59

Numero d' emergenza Italia: Centro Antiveleni - 20162 Milano: 02/66101029 ETTSZ /Egészségügyi Toxikológiai Tájékoztató Szolgálat/, 1096 Budapest,

Nagyvárad tér 2. Ügyeleti telefonszám: +36 80 201-199

Eesti: Häirekeskuse number: 112 / Mürgistusteabekeskuse number: 16662 Emergency telephone number for all other countries: +49/8134/9305-169

KIEHL Austria GmbH Perfektastr. 57; A-1230 Wien Tel. +43 (0) 1 / 604 99 93 KIEHL FRANCE S.A.R.L. 5, rue de Londres; F-67670 Mommenheim Tél. +33 (0) 3.88.59.52.25 KIEHL Italia s.r.l. Via San Rocco, 101: I-16036 Recco (GE) Tel. +39 / 0185 730 008 KIEHL Schweiz AG St. Dionys-Str. 33; CH-8645 Jona Tel. +41 (0) 55 / 254 74 74 KIEHL Hungary Kft. Felsőipari körút 3/ D HU-2142 Nagytarcsa Tel. +36 (0) 1 / 348-08 41 KIEHL Middle East LLC A8-LIU 48/49 - KIZAD Abu Dhabi, U.A.E. Tel. +971 2 550 33 96

## 1.4. Emergency telephone

+49/89/19240 (germanophone and anglophone)

number:

#### **SECTION 2: Hazards identification**

# 2.1. Classification of the substance or mixture

Not required.

## 2.2. Label elements

#### Additional advice on labelling

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

#### 2.3. Other hazards

None known.

## **SECTION 3: Composition/information on ingredients**

## 3.2. Mixtures

## Chemical characterization

synthetic dispersions, polyethylene waxes, water-soluble solvents, resins, softeners

### **SECTION 4: First aid measures**

## 4.1. Description of first aid measures





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#### **General information**

No hazards which require special first aid measures.

#### After inhalation

not hazardous by inhalation

#### After contact with skin

Wash with water and soap as a precaution.

## After contact with eyes

Rinse thoroughly with plenty of water, also under the eyelids.

#### After ingestion

Clean mouth with water and drink afterwards plenty of water. Prevent vomiting if possible. Consult a physician if necessary.

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

This information is not available.

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

Show this safety data sheet to the doctor in attendance.

## **SECTION 5: Firefighting measures**

## 5.1. Extinguishing media

## Suitable extinguishing media

Any extinguishing means and measures are acceptable.

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

This information is not available.

## 5.3. Advice for firefighters

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. The product itself does not burn.

## **SECTION 6: Accidental release measures**

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

Not required

#### 6.2. Environmental precautions

Do not flush into surface water.

# 6.3. Methods and material for containment and cleaning up

Wipe up with absorbent material (e.g. cloth, fleece). Do not allow to dry.

### 6.4. Reference to other sections

Refer to protective measures listed in sections 7 and 8.

## **SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

### Advice on safe handling

No special precautions required.

# Advice on protection against fire and explosion

No special protective measures against fire required.

# 7.2. Conditions for safe storage, including any incompatibilities

# Requirements for storage rooms and vessels

Store at room temperature in the original container. Store in a place accessible by authorized persons only.

Protect from frost.

## Further information on storage conditions

Keep container tightly closed.



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Never return unused material to storage receptacle.

## 7.3. Specific end use(s)

This information is not available.

## **SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

#### Additional advice on limit values

To date, no national critical limit values exist.

#### 8.2. Exposure controls

# Appropriate engineering controls

Not required

# Protective and hygiene measures

General industrial hygiene practice. No special protective equipment required.

#### Hand protection

Suitable protective gloves recommended.

Recommendation: Nature latex gloves with parts of polychloropren latex and a coating thickness of 0.6 mm which protect at least 8 hours (corresponds to the permeability level 6 of the European norm DIN/EN 374) and provide a resistance to swelling of < 15%.

## Skin protection

Not required

## Respiratory protection

Not required

#### **Environmental exposure controls**

Handle in accordance with good industrial hygiene and safety practice.

## **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour: milky

Odour: characteristic

Test method

approx. 8,5 K-QP1012C

Changes in the physical state

pH-Value (at 20 °C):

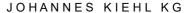
**Flammability** 

Solid: not applicable
Gas: not applicable

**Explosive properties** 

Not explosive

Lower explosion limits: not applicable
Upper explosion limits: not applicable





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Ignition temperature: >300 °C

**Auto-ignition temperature** 

Solid: not applicable
Gas: not applicable

Decomposition temperature: not determined

**Oxidizing properties** 

Not relevant

Vapour pressure: not determined

Density (at 20 °C): 1,03 g/cm<sup>3</sup> K-QP1012E

Water solubility: completely miscible

(at 20 °C)

Solubility in other solvents

not determined

Partition coefficient:

Viscosity / dynamic:

Not determined

Niscosity / kinematic:

Not determined

Flow time:

Not determined

Vapour density:

Not determined

Evaporation rate:

Not determined

not determined

9.2. Other information

Solid content: not determined

# **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

This information is not available.

## 10.2. Chemical stability

This information is not available.

# 10.3. Possibility of hazardous reactions

This information is not available.

# 10.4. Conditions to avoid

Do not expose to temperatures above 35 °C.

Protect from frost.

## 10.5. Incompatible materials

This information is not available.

# 10.6. Hazardous decomposition products

No decomposition if stored and applied as directed.

# **Further information**

Do not mix with other detergents or chemicals.

# **SECTION 11: Toxicological information**

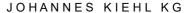
# 11.1. Information on toxicological effects

## **Acute toxicity**

Based on available data, the classification criteria are not met.

## Irritation and corrosivity

Based on available data, the classification criteria are not met.





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## Sensitising effects

Based on available data, the classification criteria are not met.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

## STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### **Aspiration hazard**

Based on available data, the classification criteria are not met.

#### **Further information**

Health injuries are not known or expected under normal use.

# **SECTION 12: Ecological information**

#### 12.1. Toxicity

No data is available on the product itself.

## 12.2. Persistence and degradability

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

## 12.3. Bioaccumulative potential

This information is not available.

#### 12.4. Mobility in soil

This information is not available.

# 12.5. Results of PBT and vPvB assessment

This information is not available.

## 12.6. Other adverse effects

This information is not available.

### **Further information**

Chemical Oxygen Demand (COD) 320 mg O2/g. The emulsions which are produced by this product break down in sewage. This produces water insoluble wax agglomerates which are eliminated as fibres in the waste sludge.

# **SECTION 13: Disposal considerations**

# 13.1. Waste treatment methods

# **Disposal recommendations**

Container should be emptied thoroughly. Do not pour remains of product in large quantities into the sewage.

# List of Wastes Code - residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease,

soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

## List of Wastes Code - used product

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease,

soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

## Contaminated packaging

Clean container with water. Return cleaned containers to the company for recycling. Offer rinsed packaging material to local recycling facilities.

## **SECTION 14: Transport information**

## Land transport (ADR/RID)

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14.1. UN number:not applicable14.2. UN proper shipping name:not applicable14.3. Transport hazard class(es):not applicable14.4. Packing group:not applicable

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

## 14.6. Special precautions for user

Not required

# 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

## Other applicable information

Not classified as dangerous in the meaning of transport regulations.

# **SECTION 15: Regulatory information**

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

## **EU** regulatory information

## **Additional information**

The product does not need to be labelled in accordance with EC directives or respective national laws.

# **National regulatory information**

Water hazard class (D): 1 - slightly hazardous to water

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### **SECTION 16: Other information**

## Changes

This data sheet contains changes from the previous version in section(s): 1

## Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

CLP: Classification, labelling and Packaging

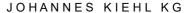
REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

**UN: United Nations** 

DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate





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LL50: Lethal loading, 50% EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic vPvB: very persistent, very bioaccumulative

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation

intérieures)

EmS: Emergency Schedules MFAG: Medical First Aid Guide

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container SVHC: Substance of Very High Concern

For abbreviations and acronyms, see table at http://abbrev.esdscom.eu

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)