

### according to UK REACH Regulation

#### Verodur-satina

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

#### 1.1. Product identifier

Verodur-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
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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

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**1.4. Emergency telephone** +49/89/19240 (germanophone and anglophone)

<u>number:</u> For Belgium: +32 70 245 245 (free, 24/7) or +32 2 264 96 30 (normal rate)

# **SECTION 2: Hazards identification**

# 2.1. Classification of the substance or mixture

Not required.

### 2.2. Label elements

# **GB CLP Regulation**

#### Special labelling of certain mixtures

EUH208 Contains Methyl-, Methylchloroisothiazolinone. May produce an allergic reaction.

### Additional advice on labelling

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

### 2.3. Other hazards

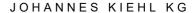
None known.

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

#### 3.2. Mixtures

#### Chemical characterization

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





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#### **Hazardous components**

none (according to UK REACH Regulation)

#### **Further Information**

preservatives (Methyl-, Methylchloroisothiazolinone)

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

### 4.1. Description of first aid measures

#### **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

### General advice

Not required

### For non-emergency personnel

No special measures are necessary.

### For emergency responders

No special measures are necessary.

# 6.2. Environmental precautions

Do not flush into surface water.

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

### For containment

Prevent spread over a wide area (e.g. by containment or oil barriers).





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#### For cleaning up

Wipe up with absorbent material (e.g. cloth, fleece).

Clean contaminated articles and floor according to the environmental legislation.

#### Other information

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.

# Advice on general occupational hygiene

General industrial hygiene practice. No special protective equipment 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.

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

# Individual protection measures, such as personal protective equipment

#### 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.



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

### 9.1. Information on basic physical and chemical properties

Physical state: liquid Colour: milky

Odour: characteristic

Test method

Melting point/freezing point: <0 °C
Boiling point or initial boiling point and >98 °C

boiling range:

Flammability: not applicable
Lower explosion limits: not applicable
Upper explosion limits: not applicable
Flash point: >100 °C
Auto-ignition temperature: >300 °C
Decomposition temperature: not determined

pH-Value (at 20 °C): approx. 8,0 K-QP1012C

Viscosity / kinematic: not determined
Water solubility: completely miscible

(at 20 °C)

Solubility in other solvents

not determined

Partition coefficient n-octanol/water: not determined Vapour pressure: not determined

Density (at 20 °C): 1,03 g/cm³ K-QP1012E

Relative vapour density: not determined Particle characteristics: not applicable

# 9.2. Other information

## Information with regard to physical hazard classes

Explosive properties not relevant

Self-ignition temperature

Solid: not applicable
Gas: not applicable

Oxidizing properties not relevant

# Other safety characteristics

Evaporation rate:

Solid content:

Sublimation point:

Softening point:

Pour point:

Viscosity / dynamic:

Not determined

not applicable

not applicable

not applicable

not applicable

not applicable

not determined

not determined

not determined

# **SECTION 10: Stability and reactivity**

## 10.1. Reactivity

This information is not available.

### 10.2. Chemical stability

This information is not available.



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# 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 hazard classes as defined in GB CLP Regulation

#### **Acute toxicity**

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

#### **ATEmix** calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

#### Irritation and corrosivity

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

## Sensitising effects

Contains Methyl-, Methylchloroisothiazolinone. May produce an allergic reaction.

### 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.

### 11.2. Information on other hazards

### **Endocrine disrupting properties**

This information is not available.

#### **Further information**

Health injuries are not known or expected under normal use.

### **SECTION 12: Ecological information**

### 12.1. Toxicity

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

# 12.2. Persistence and degradability

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

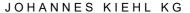
# 12.3. Bioaccumulative potential

This information is not available.

### 12.4. Mobility in soil

This information is not available.

### 12.5. Results of PBT and vPvB assessment





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The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

This information is not available.

#### **Further information**

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. Chemical Oxygen Demand (COD) 577 mg O2/g

# **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)

14.1. UN number or ID 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. Maritime transport in bulk according to IMO instruments

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

# 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**





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#### Changes

This data sheet contains changes from the previous version in section(s): 3 / 6 / 7 / 8 / 12

#### 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 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

# Relevant H and EUH statements (number and full text)

EUH208 Contains Methyl-, Methylchloroisothiazolinone. May produce an allergic reaction.

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