

**Safety Data Sheet**

according to UK REACH Regulation

**Verodur-satina**

Revision date: 12.12.2022

Product code: j2010\_sd

Page 1 of 7

**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  
Contact person: Laboratory department  
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 Mommernheim | 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 number:**

+49/89/19240 (germanophone and anglophone)  
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

Revision date: 12.12.2022

**Verodur-satina**

Product code: j2010\_sd

Page 2 of 7

**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).

**Verodur-satina**

Revision date: 12.12.2022

Product code: j2010\_sd

Page 3 of 7

**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.

## Safety Data Sheet

according to UK REACH Regulation

### Verodur-satina

Revision date: 12.12.2022

Product code: j2010\_sd

Page 4 of 7

## SECTION 9: Physical and chemical properties

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

|                                                           |                     |                    |
|-----------------------------------------------------------|---------------------|--------------------|
| Physical state:                                           | liquid              |                    |
| Colour:                                                   | milky               |                    |
| Odour:                                                    | characteristic      |                    |
|                                                           |                     | <b>Test method</b> |
| Melting point/freezing point:                             | <0 °C               |                    |
| Boiling point or initial boiling point and boiling range: | >98 °C              |                    |
| 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:<br>(at 20 °C)                           | completely miscible |                    |
| 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:    | not determined |
| Solid content:       | not determined |
| Sublimation point:   | not applicable |
| Softening point:     | not applicable |
| Pour point:          | not applicable |
| Viscosity / dynamic: | not determined |
| Flow time:           | not determined |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This information is not available.

### 10.2. Chemical stability

This information is not available.

**Verodur-satina**

Revision date: 12.12.2022

Product code: j2010\_sd

Page 5 of 7

**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**

**Safety Data Sheet**

according to UK REACH Regulation

**Verodur-satina**

Revision date: 12.12.2022

Product code: j2010\_sd

Page 6 of 7

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 O<sub>2</sub> / 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 applicable

**14.2. UN proper shipping name:** not applicable

**14.3. Transport hazard class(es):** not applicable

**14.4. 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**

**Safety Data Sheet**

according to UK REACH Regulation

**Verodur-satina**

Revision date: 12.12.2022

Product code: j2010\_sd

Page 7 of 7

**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.)*