

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 18.03.2016





V - 7

Revision: 18.03.2016

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

- **1.1 Product identifier**
- **Trade name:** *S100 Chain Cleaner for Kettenmax*
- **Article number:** 2367
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** Void
- **Application of the substance / the mixture** *Cleaning agent/ Cleaner*
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
*Dr.O.K.Wack Chemie GmbH  
 Bunsenstrasse 6  
 D - 85053 Ingolstadt  
 Tel. +49 841-6350 Fax +49 841-63558  
 www.wackchem.com  
 wack.info@wackchem.com*
- **Further information obtainable from:** *Safety department*
- **1.4 Emergency telephone number:** *During business hours: +49 841 63523*

#### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
-  **GHS02 flame**  
*Flam. Liq. 2      H225 Highly flammable liquid and vapour.*
-  **GHS08 health hazard**  
*Asp. Tox. 1      H304 May be fatal if swallowed and enters airways.*
-  **GHS09 environment**  
*Aquatic Chronic 2    H411 Toxic to aquatic life with long lasting effects.*
-  **GHS07**  
*Skin Irrit. 2      H315 Causes skin irritation.  
 STOT SE 3      H336 May cause drowsiness or dizziness.*
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
*The product is classified and labelled according to the CLP regulation.*
- **Hazard pictograms** *GHS02, GHS07, GHS08, GHS09*
- **Signal word** *Danger*
- **Hazard-determining components of labelling:**  
*Naphtha (petroleum), hydrotreated light*
- **Hazard statements**  
*H225 Highly flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H336 May cause drowsiness or dizziness.  
 H304 May be fatal if swallowed and enters airways.  
 H411 Toxic to aquatic life with long lasting effects.*
- **Precautionary statements**  
*P101      If medical advice is needed, have product container or label at hand.*

(Contd. on page 2)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 18.03.2016

V - 7

Revision: 18.03.2016

**Trade name: S100 Chain Cleaner for Kettenmax**

(Contd. of page 1)

- P102 Keep out of reach of children.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P271 Use only outdoors or in a well-ventilated area.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- P331 Do NOT induce vomiting.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**





- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

- **Description:** Mixture of the substances with nonhazardous additions.

· **Dangerous components:**

CAS: 64742-49-0 921-024-6 Reg.nr.: 01-2119475514-35	Naphtha (petroleum), hydrotreated light  Flam. Liq. 2, H225;  Asp. Tox. 1, H304;  Aquatic Chronic 2, H411;  Skin Irrit. 2, H315; STOT SE 3, H336	>50%
---	---	------

- **SVHC** None

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information:**

- Take affected persons out into the fresh air.
- Immediately remove any clothing soiled by the product.

· **After inhalation:**

- Supply fresh air.
- Seek medical treatment in case of complaints.

· **After skin contact:**

- Immediately remove any clothing soiled by the product.
- After contact with skin, wash immediately with plenty of water.
- Repeated exposure may cause skin dryness or cracking.

· **After eye contact:**

- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

- If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
- Harmful: may cause lung damage if swallowed.

· **4.2 Most important symptoms and effects, both acute and delayed**

- No further relevant information available.

· **Hazards** If swallowed or in case of vomiting, danger of entering the lungs.

· **4.3 Indication of any immediate medical attention and special treatment needed**

- No further relevant information available.

### SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:**

- CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

(Contd. on page 3)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 18.03.2016

V - 7

Revision: 18.03.2016

**Trade name: S100 Chain Cleaner for Kettenmax**

(Contd. of page 2)

- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

#### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Keep away from ignition sources.  
Ensure adequate ventilation.  
Avoid contact with skin and eyes.  
Wear protective clothing.
- **6.2 Environmental precautions:**  
Do not allow to penetrate the ground/soil.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

#### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Use only in well ventilated areas.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store in cool, dry conditions in well sealed receptacles.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Store away from oxidising agents.
- **Further information about storage conditions:** Protect from heat and direct sunlight.
- **7.3 Specific end use(s)** No further relevant information available.

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

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

(Contd. on page 4)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 18.03.2016

V - 7

Revision: 18.03.2016

**Trade name: S100 Chain Cleaner for Kettenmax**

(Contd. of page 3)

**· DNELs**

**64742-49-0 Naphtha (petroleum), hydrotreated light**

Inhalative | DNEL system. effects (long-term) | 2035 mg/m<sup>3</sup> (Worker)

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Use skin protection cream for skin protection.

· **Respiratory protection:** Not necessary if room is well-ventilated.

· **Protection of hands:**

Solvent resistant gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

Chloroprene rubber, CR

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Not required.

**SECTION 9: Physical and chemical properties**

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

**Form:** Fluid

**Colour:** Clear

· **Odour:** Petrol-like

· **Odour threshold:** Not determined

· **pH-value:** Void

· **Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** 80 - 170 °C

· **Flash point:** -12 °C

· **Ignition temperature:** Not determined

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

(Contd. on page 5)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 18.03.2016

V - 7

Revision: 18.03.2016

**Trade name: S100 Chain Cleaner for Kettenmax**

(Contd. of page 4)

· <b>Explosion limits:</b>	
<b>Lower:</b>	Not determined
<b>Upper:</b>	Not determined
· <b>Vapour pressure at 20 °C:</b>	80 hPa
· <b>Density at 20 °C:</b>	0,71 +/- 0,02 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined
<b>Kinematic:</b>	Not determined
· <b>9.2 Other information</b>	No further relevant information available.

#### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Reacts with strong oxidising agents.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Store away from oxidising agents.
- **10.6 Hazardous decomposition products:**  
No decomposition if used and stored according to specifications.  
In case of fire, the following can be released:  
Carbon monoxide and carbon dioxide

#### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

**64742-49-0 Naphtha (petroleum), hydrotreated light**

Oral	LD50	>5840 mg/kg (rat)
------	------	-------------------

- **Specific symptoms in biological assay:** Not determined
- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**  
Harmful: may cause lung damage if swallowed.  
Vapours may cause drowsiness and dizziness.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**  
May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.

(Contd. on page 6)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 18.03.2016

V - 7

Revision: 18.03.2016

**Trade name: S100 Chain Cleaner for Kettenmax**

(Contd. of page 5)

- **Aspiration hazard**  
May be fatal if swallowed and enters airways.

**SECTION 12: Ecological information**

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**  
Toxic for aquatic organisms  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

- **13.1 Waste treatment methods**
- **Recommendation** Disposal must be made according to official regulations.
- **European waste catalogue**
- 14 06 03\* | other solvents and solvent mixtures
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport information**

- |  |  |
|--|--|
| · <b>14.1 UN-Number</b>                  |  |
| · <b>ADR, IMDG, IATA</b>                 | UN3295   |
| · <b>14.2 UN proper shipping name</b>    |  |
| · <b>ADR</b>                             | 3295 HYDROCARBONS, LIQUID, N.O.S., ENVIRONMENTALLY HAZARDOUS                             |
| · <b>IMDG</b>                            | HYDROCARBONS, LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light), MARINE POLLUTANT |
| · <b>IATA</b>                            | Hydrocarbons, liquid, n.o.s.   |
| · <b>14.3 Transport hazard class(es)</b> |  |
| · <b>ADR, IMDG, IATA</b>                 |  |
| · <b>Class</b>                           | 3 Flammable liquids.   |
| · <b>Label</b>                           | 3  |
| · <b>14.4 Packing group</b>              |  |
| · <b>ADR, IMDG, IATA</b>                 | II   |

(Contd. on page 7)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 18.03.2016

V - 7

Revision: 18.03.2016

**Trade name: S100 Chain Cleaner for Kettenmax**

(Contd. of page 6)

· <b>14.5 Environmental hazards:</b>	Product contains environmentally hazardous substances: Naphtha (petroleum), hydrotreated light
· <b>Marine pollutant:</b>	Yes
· <b>Special marking (ADR):</b>	Symbol (fish and tree) Symbol (fish and tree)
· <b>14.6 Special precautions for user</b>	Warning: Flammable liquids.
· <b>Danger code (Kemler):</b>	33
· <b>EMS Number:</b>	F-E,S-D
· <b>Stowage Category</b>	B
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D/E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 3295 HYDROCARBONS, LIQUID, N.O.S., 3, II, ENVIRONMENTALLY HAZARDOUS

**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**  
E2 Hazardous to the Aquatic Environment  
P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**  
H225 Highly flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H336 May cause drowsiness or dizziness.

(Contd. on page 8)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 18.03.2016

V - 7

Revision: 18.03.2016

**Trade name: S100 Chain Cleaner for Kettenmax**

(Contd. of page 7)

*H411 Toxic to aquatic life with long lasting effects.*

**· Abbreviations and acronyms:**

*Flam. Liq. 2: Flammable liquids, Hazard Category 2*

*Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2*

*STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3*

*Asp. Tox. 1: Aspiration hazard, Hazard Category 1*

*Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2*

**· \* Data compared to the previous version altered.**

EU