

# EG-Safety data sheet

(EG) No. 1907/2006

Version: 1.1

Name: DryClean Granulat 3 L Dose

Revised: 2014-10-15



Seite 1 / 3

Valid from: 2014-10-16

Art.-No.: vo4280.

## 1. Identification of the substance/mixture and of the company/undertaking

- 1.1 **Product identifier:** DryClean Granulat 3 L Dose **article number:** vo4280.
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against:**  
Identified uses: Binder for aqueous polar liquids and non polar organic liquids
- 1.3 **Details of the supplier of the safety data sheet:**
- |                                               |                                                  |
|-----------------------------------------------|--------------------------------------------------|
| <b>Supplier</b>                               | KLUWA GmbH & Co KG                               |
| <b>Street</b>                                 | Haller Straße 8-10                               |
| <b>Postal code/City</b>                       | D-74638 Waldenburg                               |
| <b>Telephone</b>                              | 07942/ 98038                                     |
| <b>Telefax</b>                                | 07942/ 98039                                     |
| <b>Email</b>                                  | <a href="mailto:info@kluwa.de">info@kluwa.de</a> |
| <b>Department responsible for information</b> | product development                              |
- 1.4 **Emergency telephone number:** Giftinformationszentrale Mainz: +49(0)6131/19240

## 2. Hazards identification

- 2.1 **Classification of the substance or mixture**  
Classification (EG) No 1272/2008/EC, Annex VII:  
Article is not subject to classification/labelling requirements.  
Classification according 1999/45/EG or 67/548/EWG:  
Article is not subject to classification/labelling requirements
- 2.2 **Label elements**  
Not applicable  
Dangerous component for labelling: none
- 2.3 **Other hazards:**  
Not identified.

## 3. Composition/information on ingredients

- 3.1 **Substances:** The product is a mixture
- 3.2 **Mixtures:**  
**Dangerous ingredients:**  
Not applicable  
**Remark/Additional informations:** Full text of R- and H-phrases: see chapter 16

## 4. First aid measures

- 4.1 **Discription of first aid measures**  
**General informations:** Medical examination necessary even merely on suspicion of intoxication.  
**In case of inhalation:** Provide fresh air; call a physician. Keep affected person calmly. If there is a risk of loss of consciousness, place and transport affected person in the recovery position.  
**In case of skin contact:** After contact with skin, wash with soap and plenty of water.  
**In case of eye contact:** Immediately rinse carefully ann thoroughly using eye wash or water.  
**In case of ingestion:** Rinse out mouth and then drink plenty of water.
- 4.2 **Most important symptoms and effects, both acute and delayed:**  
No information available
- 4.3 **Indication of any immediate medical attention and special treatment needed:**  
Symptomatically treatment required.

## 5. Firefighting measures

- 5.1 **Extinguishing media**  
Water spray jet, carbon dioxide, foam, extinguishing powder. The product itself does not burn.
- 5.2 **Special hazards arising from the substance or mixture:**  
In case of fire ther will be no release of dangerous substances from the substance itself.
- 5.3 **Advice for firefighters:**  
Attune the fire-fighting measures to the surrounding fire.

## 6. Accidental release measures

- 6.1 **Personal precautions, protective equipment and emergency procedures:** No special measures required
- 6.2 **Environmental precautions:** No special measures required.
- 6.3 **Methods and material for containment and cleaning up:** The product can be taken up mechanically. Depent on the degree of contamination the product can either be reused or discarded. Avoid dust formation.
- 6.4 **Reference to other sections:** Treat the recovered material as prescribed in the section 13 on waste disposal.

## 7. Handling and storage

- 7.1 **Precautions on safe handling:**  
Avoid dust formation

# EG-Safety data sheet

(EG) No. 1907/2006

Seite 2 / 3

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## Precautions against fire and explosion:

The product itself does not burn. No special measures required

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

**Storage conditions:** Store in a dry place. Other special requirements do not exist.

**Requirements for storage rooms and vessels** No special measures required

**Storage group VCI:** 13 (non-flammable solids)

## 7.3 Specific end use(s): Binder for aqueous polar liquids and non polar organic liquids

## 8 Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit value

General limit value for dust (TRGS 900 -Grenzwerte in der Luft am Arbeitsplatz (D): Respirable fraction 10 mg/m<sup>3</sup>, alveolar fraction 3mg/m<sup>3</sup>

### 8.2 Exposure controls:

#### Personal protection equipment:

**Respiratory protection:** Not required. In case of dust formation, wear dust mask with particle filter

**Hand protection:** Not required. Hand protection is recommended preventively

**Eye protection:** Not required. In case of dust formation, wear closely fitting protective glasses

**Protective clothing:** Not required.

**Environment protection:** See section 6 and 7.

## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state:** solid, granules

**Colour:** greyish-white

**Odour:** none

#### Safety relevant basis data

**pH-value:** 10 – 11 (400 g/ L H<sub>2</sub>O)

**Density:** ca. 2,5 -2,7 g/cm<sup>3</sup>

**Melting temperature / boiling range:** ≥1200 °C

**Flammability:** not-inflammable

**Explosive properties:** The product has no explosive properties.

**Bulk density:** ca 500 kg/m<sup>3</sup>

**Water solubility:** not soluble

**Self-ignition temperature:** no self-ignition

### 9.2 Other information: not determined

## 10 Stability and reactivity

**10.1 Reactivity:** There are no particular risks of reaction with other substances in normal conditions of use.

**10.2 Chemical stability:** The product is stable under normal conditions

**10.3 Possibility of hazardous reactions:** Reacts with concentrated acids (heat development and/or release of carbon dioxide by neutralisation reaction possible) and with concentrated oxidant (heat development and/or accelerated decomposition of the oxidant possible)

**10.4 Conditions to avoid:** none

**10.5 Incompatible materials:** Not known

**10.6 Hazardous decomposition products:** Not known.

## 11 Toxicological Information

### 11.1 Information on toxicological effects:

The toxicological classification of this product is based on the results of calculations made according to the EU Dangerous Preparations Directive (1999/45/EC). Operating experience of the manufacturer shows that no hazards beyond current classification can be expected

**Toxicological assays:** No data available

#### Information on ingredients:

**Acute effects:** The product is non-toxic

**Sensitisation:** The product itself is not sensitising..

**CMR effects:** No indications of mutagenicity. No indications of human carcinogenicity.

**Additional toxicological information:** due to its alkaline pH and desiccative properties, the product may cause skin irritations upon long term exposition. Hand protection is recommended preventively.

## 12 Ecological information

**12.1 Toxicity:** The product is not ecotoxic to Daphnia when the pH is kept neutral (Test according DIN 38412-30:1989-03 (L-30))

**12.2 Persistence and degradability:** The product is extremely poorly soluble in water and can be easily separated from water by filtration or sedimentation.

**12.3 Bioaccumulative potential:** No bioaccumulation in organisms are expected.

**12.4 Mobility in soil:** Not soluble

**12.5 Results of PBT and vPvB assessment:** No data available.

**12.6 Other adverse effects:** No data available.

**Additive informations:** No data available.

# EG-Safety data sheet

(EG) No. 1907/2006

Seite 3 / 3

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## 13 Disposal considerations

### 13.1 Waste treatment methods

#### Appropriate disposal/product

Dispose of waste according to applicable local, state and federal regulations.

**List of proposed waste codes/waste designations in accordance with EWC:** 17 01 01 (concrete)

#### Appropriate disposal/package:

**Contaminated package:** Cleaning

**Clean package:** Completely emptied packages can be recycled.

## 14 Transport information

14.1 **UN-Number:** No dangerous good

14.2 **UN proper shipping name:** Not applicable

14.3 **Transport hazard class(es):** Not applicable

14.4 **Packaging group:** Not applicable

14.5 **Environmental hazards:** Not applicable

14.6 **Special precautions for user:** see chapter 6-8.

14.7 **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable

## 15 Regulatory information

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

#### EU-legislation

(EG) No. 648/2004 (detergents regulation): The product fulfills the criteria of the regulation.

#### National legislation

**WGK (Germany):** WGK 1; slightly water endangering; Self-classification according VwVwS of 17 May 1999, Annex 4.

15.2 **Chemical safety assessment:** No chemical safety assessment available for this product.

## 16 Other Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

**Data changed compared with the previous version:** see chapter 1-16

### Abbreviations

AGW	occupational exposure limit value
AOX	adsorbable organic halogen compounds
CAS	Chemical Abstract Service
EWC	European waste catalogue
EC <sub>50</sub>	average effective concentration
EG	European community
EINECS	European Inventory of Existing Commercial Chemical Substances
EWG	European economic community
IBC-Code	International building code
IC <sub>50</sub>	average inhibitory concentration
LC <sub>50</sub>	Lethal concentration
LD <sub>50</sub>	average lethal dose
LQ	Limited quantity.
MARPOL	Maritime Pollution Convention
PBT	Persistent, bioaccumulative, toxic
OECD	Organisation for Economic Co-operation and Development.
TRGS	Risk assessment for activities involving hazardous substances
VCI	the german chemical industry association
vPvB	very persistent and very bioaccumulative
VwVwS	Regulation for water polluting materials
WGK	Water hazard classification
WRMG	Wash- and cleaning agents' law

### Bibliography/source directory

Guideline (67/548/EWG), last amended by guideline 2009/2/EG

REACH-guideline (EG) No. 1907/2006, last amended by guideline (EU) No. 453/2010

Guideline (EG) No. 1272/2008, last amended by guideline (EG) No. 790/2009

The data rely on information of the pre-supplier.

### Internet

<http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp#>

**Classification method of preparations:** This product is a substance

**Department responsible for safety data sheet:** Product development

**Contact:** Dr. Knebl