

RZ394

**SAFETY DATA SHEET**  
according to EC directive 93/112/EC  
**KLEERGUM**



SUBID:00000008995

Version 2  
Revision Date 13.09.2004

Print Date 18/09/04

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**Product Information**

Product name : KLEERGUM  
Use of the : Washout storage gum  
Substance/Preparation

**Company/Undertaking Identification**

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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

The hazard and labelling information in this section is that of the individual ingredients. The corresponding information relative to this product as supplied is given in section 15. Full text of each relevant R-phrase is listed in section 16.

Washout storage gum, mainly consisting of:

**Hazardous components**

- |                                         |                                            |                     |      |   |      |
|-----------------------------------------|--------------------------------------------|---------------------|------|---|------|
| • Naphtha (petroleum)                   |                                            | Concentration [%] : | 10.0 | - | 20.0 |
| CAS-No.                                 | : 64742-82-1                               |                     |      |   |      |
| Index-No.                               | : 649-330-00-2                             |                     |      |   |      |
| EINECS-No.                              | : 265-185-4                                |                     |      |   |      |
| Symbol(s)                               | : Xn, N                                    |                     |      |   |      |
| R-phrase(s)                             | : R10, R51/53, R65                         |                     |      |   |      |
| • Turpentine, oil                       |                                            | Concentration [%] : | 1.0  | - | 2.5  |
| CAS-No.                                 | : 8006-64-2                                |                     |      |   |      |
| Index-No.                               | : 650-002-00-6                             |                     |      |   |      |
| EINECS-No.                              | : 232-350-7                                |                     |      |   |      |
| Symbol(s)                               | : Xn, N                                    |                     |      |   |      |
| R-phrase(s)                             | : R10, R20/21/22, R36/38, R43, R51/53, R65 |                     |      |   |      |
| • Phosphoric acid                       |                                            | Concentration [%] : | 1.0  | - | 5.0  |
| CAS-No.                                 | : 7664-38-2                                |                     |      |   |      |
| Index-No.                               | : 015-011-00-6                             |                     |      |   |      |
| EINECS-No.                              | : 231-633-2                                |                     |      |   |      |
| Symbol(s)                               | : C                                        |                     |      |   |      |
| R-phrase(s)                             | : R34                                      |                     |      |   |      |
| • 2-Methyl-2H-isothiazol-3-one          |                                            | Concentration [%] : | 0.0  | - | 0.1  |
| CAS-No.                                 | : 2682-20-4                                |                     |      |   |      |
| EINECS-No.                              | : 220-239-6                                |                     |      |   |      |
| Symbol(s)                               | : T, N                                     |                     |      |   |      |
| R-phrase(s)                             | : R23/24/25, R34, R43, R50/53              |                     |      |   |      |
| • 5-Chloro-2-methyl-2H-isothiazol-3-one |                                            | Concentration [%] : | 0.0  | - | 0.1  |
| CAS-No.                                 | : 26172-55-4                               |                     |      |   |      |
| EINECS-No.                              | : 247-500-7                                |                     |      |   |      |
| Symbol(s)                               | : T, N                                     |                     |      |   |      |

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R-phrases(s) : R23/24/25, R34, R43, R50/53

**Other**

|                   |                     |      |   |      |
|-------------------|---------------------|------|---|------|
| • Water           | Concentration [%] : | 60.0 | - | 80.0 |
| • Gum arabic      | Concentration [%] : | 5.0  | - | 10.0 |
| • Triethanolamine | Concentration [%] : | 1.0  | - | 5.0  |

**3. HAZARDS IDENTIFICATION**

**EC-classification:**

|              |          |                                                                                               |
|--------------|----------|-----------------------------------------------------------------------------------------------|
| Symbol(s)    | : Xn     | Harmful                                                                                       |
| R-phrases(s) | : R10    | Flammable.                                                                                    |
|              | : R43    | May cause sensitization by skin contact.                                                      |
|              | : R52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
|              | : R65    | Harmful: may cause lung damage if swallowed.                                                  |
|              | : R66    | Repeated exposure may cause skin dryness or cracking.                                         |

**4. FIRST AID MEASURES**

|              |                                                                                                                      |
|--------------|----------------------------------------------------------------------------------------------------------------------|
| Skin contact | : Wash immediately with plenty of water and soap. If symptoms persist, seek medical advice.                          |
| Eye contact  | : Rinse with plenty of water. Seek medical attention. Rinse with plenty of water. If necessary, seek medical advice. |
| Ingestion    | : Do not induce vomiting. Obtain medical attention.                                                                  |

**5. FIRE-FIGHTING MEASURES**

|                              |                                                         |
|------------------------------|---------------------------------------------------------|
| Suitable extinguishing media | : carbon dioxide (CO <sub>2</sub> ), foam, powder, sand |
| Further information          | : Water mist may be used to cool closed containers.     |

**6. ACCIDENTAL RELEASE MEASURES**

|                           |                                                                                                                                                                                              |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions      | : See section 8.                                                                                                                                                                             |
| Environmental precautions | : For waste disposal see section 13.                                                                                                                                                         |
| Methods for cleaning up   | : Dike the spill if necessary. Soak up with absorbent material. Collect large spills into a properly labelled and sealable container. Prevent release into the drain, soil or surface water. |
| Additional advice         | : Wash away residues with plenty of water.                                                                                                                                                   |

**7. HANDLING AND STORAGE**

**Handling**

|                                                 |                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Advice on protection against fire and explosion | : Keep away from heat and sources of ignition. Take precautionary measures against static discharges. |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------|

**Storage**

|                                |                                                            |
|--------------------------------|------------------------------------------------------------|
| Requirements for storage areas | : Keep container tightly closed. Keep container in a well- |
|--------------------------------|------------------------------------------------------------|

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and containers : ventilated place.  
Advice on common storage : Store away from strong acids and strong oxidizing agents (e.g. sodium hypochlorite).  
Storage temperature : < 25 °C

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                 |           |           |      |         |          |
|-----------------|-----------|-----------|------|---------|----------|
| Turpentine, oil | 8006-64-2 | 566 mg/m3 | TWA  | 2002    | EH40 OES |
|                 |           | 850 mg/m3 | STEL | 2002    | EH40 OES |
| Phosphoric acid | 7664-38-2 | 1 mg/m3   | TWA  | 2002    | EH40 OES |
|                 |           | 2 mg/m3   | STEL | 2002    | EH40 OES |
|                 |           | 1 mg/m3   | TWA  | 05 2001 | EU ELV   |
|                 |           | 2 mg/m3   | STEL | 05 2001 | EU ELV   |

#### Exposure controls

Engineering measures : Ventilation should be sufficient so that any applicable occupational exposure limits are not exceeded.  
Hand protection : Use chemical resistant gloves. In case of prolonged immersion or frequently repeated contact use gloves made of: natural latex (thickness  $\geq$  0.75 mm, breakthrough time  $>$  10 min). Avoid gloves made of: butyl rubber, nitrile rubber or neoprene.  
Eye protection : Safety glasses.  
Hygiene measures : Observe normal precautions when handling chemicals. Avoid inhaling vapour. Keep away from foodstuffs, drinks and tobacco.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

Form : Liquid  
Colour : Off-white  
Odour : Smell of petroleum

#### Safety data

pH (25 °C) : < 3.0  
Melting point/range : < 0 °C  
Boiling point/range : 100 - 200 °C  
Flash point : 52 °C  
Ignition temperature : > 200 °C  
Lower explosion limit : 0.6 %(V)  
Upper explosion limit : 8.0 %(V)  
Vapour pressure : 3.00 hPa at 20 °C  
Relative density (20 °C) : 1.010  
Solubility/qualitative : Partially miscible with water.  
Relative vapour density : 1.0000

### 10. STABILITY AND REACTIVITY

Stability : The product is stable under normal conditions of storage and use.  
Conditions and materials to : Avoid contact with strong alkalis and oxidizing agents.

avoid

**11. TOXICOLOGICAL INFORMATION**

|             |        |                                                                                               |
|-------------|--------|-----------------------------------------------------------------------------------------------|
| R-phrase(s) | : R10  | Flammable.                                                                                    |
|             | R43    | May cause sensitization by skin contact.                                                      |
|             | R52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
|             | R65    | Harmful: may cause lung damage if swallowed.                                                  |
|             | R66    | Repeated exposure may cause skin dryness or cracking.                                         |

Toxicity data specific for individual ingredients in their pure state:

**Acute oral toxicity**

|                       |            |               |
|-----------------------|------------|---------------|
| • Naphtha (petroleum) | : LD50 rat | > 2,000 mg/kg |
| • Turpentine, oil     | : LD50 rat | 5,760 mg/kg   |
| • Phosphoric acid     | : LD50 rat | 1,530 mg/kg   |

**Acute inhalation toxicity**

|                   |            |                  |
|-------------------|------------|------------------|
| • Turpentine, oil | : LC50 rat | 12,000 mg/l/ 6 h |
|-------------------|------------|------------------|

**Acute dermal toxicity**

|                       |               |               |
|-----------------------|---------------|---------------|
| • Naphtha (petroleum) | : LD50 rabbit | > 2,000 mg/kg |
| • Phosphoric acid     | : LD50 rabbit | 2,740 mg/kg   |

**Other information**

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

**12. ECOLOGICAL INFORMATION****Ecotoxicity effects**

Pending the development of criteria for evaluating impact of a chemical preparation, ecological information referring to the most important individual ingredients present in this preparation is given here merely as an indication. The effective environmental impact of this preparation should of course be assessed taking into account the actual concentration of each individual ingredient in this preparation.

**Toxicity to fish**

|                       |                          |                           |
|-----------------------|--------------------------|---------------------------|
| • Naphtha (petroleum) | : Species: Pisces (fish) | Dose: > 10.00 mg/l/ 96 h  |
|                       | Species: Pisces (fish)   | Dose: < 100.00 mg/l/ 96 h |
| • Phosphoric acid     | : Species: Pisces (fish) | Dose: 100.00 mg/l/ 96 h   |

**Toxicity to daphnia**

|                       |                                       |                           |
|-----------------------|---------------------------------------|---------------------------|
| • Naphtha (petroleum) | : Species: Daphnia magna (water flea) | Dose: > 100.00 mg/l/ 48 h |
|-----------------------|---------------------------------------|---------------------------|

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**13. DISPOSAL CONSIDERATIONS**

Environmental regulations, discharge of chemicals and washwater, waste treatment and disposal conditions of chemicals and their packaging may vary from one country to another. The relevant local regulations should be consulted. Do not release into drain. Collect for removal by a licensed waste contractor.

For waste resulting from this product, it is recommended to use European Waste Code : 14 06 03 (other solvents and solvent mixtures).

**14. TRANSPORT INFORMATION**

**ADR**

UN-No : 1300  
Proper shipping name : TURPENTINE SUBSTITUTE, MIXTURE  
Class : 3  
Packing group : III  
Classification Code : F1  
Label No : 3  
Risk No. : 30

**RID**

UN-No : 1300  
Proper shipping name : TURPENTINE SUBSTITUTE, MIXTURE  
Class : 3  
Packing group : III  
Classification Code : F1  
Label No : 3  
Risk No. : 30

**ADNR**

UN-No : 1300  
Proper shipping name : TURPENTINE SUBSTITUTE, MIXTURE  
Class : 3  
Packing group : III  
Classification Code : F1  
Label No : 3

**IMO / IMDG**

UN-No : 1300  
Proper shipping name : TURPENTINE SUBSTITUTE, MIXTURE  
Class : 3  
Packing group : III  
Label No : 3  
EmS : F-E, S-E  
Marine pollutant : P

**ICAO / IATA cargo aircraft only**

UN-No : 1300  
Proper shipping name : Turpentine substitute, mixture  
Class : 3  
Packing group : III  
Label No : 3  
Packing instruction : 310

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**ICAO / IATA passenger and cargo aircraft**

UN-No : 1300  
Proper shipping name : Turpentine substitute, mixture  
Class : 3  
Packing group : III  
Label No : 3  
Packing instruction : 309

**15. REGULATORY INFORMATION**

**Labelling according to EC Directives**

Hazardous components which must be listed on the label :

- CAS-No. : 64742-82-1 Naphtha (petroleum)  
8006-64-2 Turpentine, oil  
55965-84-9 Isothiazolinones

Symbol(s) : Xn Harmful  
R-phrase(s) : R10 Flammable.  
R43 May cause sensitization by skin contact.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 Harmful: may cause lung damage if swallowed.  
R66 Repeated exposure may cause skin dryness or cracking.  
S-phrase(s) : S23.2 Do not breathe vapour.  
S24 Avoid contact with skin.  
S37 Wear suitable gloves.  
S60 This material and its container must be disposed of as hazardous waste.  
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

**16. OTHER INFORMATION**

Section(s) changed compared to the previous issue: 1, 2, 5, 6, 8, 13, 4

**Further information**

Full text of R-phrases referred to under Sections 2 and 3:

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|           |                                                                                                  |
|-----------|--------------------------------------------------------------------------------------------------|
| R10       | Flammable.                                                                                       |
| R20/21/22 | Harmful by inhalation, in contact with skin and if swallowed.                                    |
| R23/24/25 | Toxic by inhalation, in contact with skin and if swallowed.                                      |
| R34       | Causes burns.                                                                                    |
| R36/38    | Irritating to eyes and skin.                                                                     |
| R43       | May cause sensitization by skin contact.                                                         |
| R50/53    | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R51/53    | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.      |
| R52/53    | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.    |
| R65       | Harmful: may cause lung damage if swallowed.                                                     |
| R65       | Also harmful: may cause lung damage if swallowed.                                                |
| R66       | Repeated exposure may cause skin dryness or cracking.                                            |

This Safety Data Sheet is compiled in accordance with European Directives and corresponding national legislation.

The information disclosed in this Safety Data Sheet is believed to be correct to the best of our current knowledge and experience. It only relates to the specific product designated herein and it may not be valid when said product is used in combination with any other material or in any process, unless specified in the text. This document aims to provide the necessary health and safety information of the product and is not to be considered a warranty or quality specification. It is the responsibility of the user to comply with local legislation relating to safety, health, environment and waste management.