



# MATERIAL SAFETY DATA SHEET

## According to 2001/58EC

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Revised edition no : 1

Date : 15 / 1 / 2007

Supersedes : 0 / 0 / 0

**Heavy duty hand cleaner****31110284**

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY

Trade name : Heavy duty hand cleaner  
Type of product : Paste.  
Use : Domestic.  
Company identification : ECOVER BELGIUM NV  
Industrieweg 3  
2390 Malle Belgique-Belgie  
Phone : +32 (0)3 309 25 00  
Fax : +32 (0)3 311 72 70  
Emergency phone nr : +32 (0)70 245 245 (Antipoison Centre Belgium)  
Responsible for placing on the market : See address above.

### 2. HAZARDS IDENTIFICATION

Symptoms relating to use  
- Inhalation : None under normal conditions.  
- Skin contact : Prolonged or repeated contact may cause skin to become dry or irritated.  
- Eye contact : Irritation to eyes.  
- Ingestion : Abdominal pain.  
Diarrhea.  
Nausea.  
Vomiting.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Preparation : Preparation.  
Components : This product is not hazardous but contains hazardous components.

Substance name	Contents	CAS No	EC No	Index No	Classification
Fatty Alcohol Sulfate C12-18	> 10 %	68955-19-1	273-257-1	----	Xi; R38-41
Alkyl Poly Glycoside C10-16	> 1 <= 10 %	110615-47-9	POLYMER	----	Xi; R38-41

INCI : AQUA, Lignum Powder, SODIUM C12-18 ALKYL SULFATE, Cocos Nucifera, LAURYL GLUCOSIDE, LIMONENE, SODIUM CHLORIDE, CITRIC ACID, DIOCTYL SODIUM SULFOSUCCINATE, TITANIUM DIOXIDE, SILVER CHLORIDE.

### 4. FIRST AID MEASURES

First aid measures  
- Inhalation : No specific recommendations.  
- Skin contact : Flush with plenty of water.  
- Eye contact : Rinse immediately and for a long time with plenty of water. Seek medical attention if the irritation persists. Inadequate first aid may lead to persisting eye complaints.  
- Ingestion : Wash out mouth and do not induce vomiting. Seek medical attention.  
Note to physician : No specific recommendations.  
Workplace equipment : No specific recommendations.

### 5. FIRE-FIGHTING MEASURES

Specific hazards : None.  
Extinguishing media



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## 5. FIRE-FIGHTING MEASURES (continued)

- Suitable extinguishing media : All extinguishing media can be used.
- Unsuitable extinguishing media : None.
- Protection against fire : Exercise caution when fighting any chemical fire.  
See Heading 8.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Spill area may be slippery.  
Equip cleanup crew with proper protection.  
Avoid contact with eyes.  
See Heading 8.
- Environmental precautions : Prevent entry to sewers and public waters.  
Avoid release to the environment.
- Clean up methods : Recover usable material in a clean closable container for reuse. Sweep up contaminated material and dispose of as chemical waste. Remove the remainder with water.

## 7. HANDLING AND STORAGE

- Protection against fire : Not expected to be a fire/explosion hazard under normal conditions of use.
- Storage : Store in a cool, dark and frost-free place in a closed packaging.
- Handling : Avoid contact with eyes.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Personal protection
- Skin protection : Wear waterproof gloves when taking up intensively material which is accidentally released.
- Eye protection : Wear safety goggles when clearing accidentally released material.
- Respiratory protection : No specific recommendations.
- Environment protection see § 6

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state at 20 °C : Paste.
- Colour : Brown.
- Odour : Citrus fruits.
- pH value (concentrated product) : 6,5
- Density : 0,89 kg/l
- Solubility in water : Good.
- Flash point [°C] : > 100
- Volatile Organic Compounds (%) : 0.95
- Explosion limits : No data available.
- Oxidising properties : None.

## 10. STABILITY AND REACTIVITY

- Stability and reactivity : No decomposition under normal conditions of storage and use.
- Conditions to avoid : Do not store <0°C and >40°C.
- Hazardous decomposition products : None under normal conditions.



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### 11. TOXICOLOGICAL INFORMATION

- Eye irritation (RBC test: Mean Indices : No data available.  
Ocular Irritancy)
- Skin irritation (RBC test: : No data available.  
Denaturation Index)
- Evaluation of the security for the human health
- Dermal : Not or only slightly irritant due to the composition.
  - Ocular : Irritation due to the composition.
  - Ingestion : Hardly toxic (LD 50 rat-oral-theoretical 5000-15000 ppm).
- Sensitization : This product contains sensitizing fragrance components > 100 ppm: see § 2 and 15.
- Note : Contains only ELINCS or EINECS registered raw materials and does not contain any ingredients known to be mutagenic, carcinogenic, teratogenic or reproduction toxic (R45,46,47,49,60,61,63,64, EU 97/C234, 67/548/EEC, 88/379/EEC, OSHA, NTP, IARC/ARAB (cat 1-3)).

### 12. ECOLOGICAL INFORMATION

- Ecological effects information
- Biodegradation [%] Sapromat respirometry test (OECD 301 F) : No data available.
- EC50 72h Algae (Selenastrum capricornutum) [ppm] (OECD 201) : 628 Hardly toxic.
- 48 Hour EC50 Daphnia magna [ppm] (OECD 202) : 23 Slightly toxic
- Remarks : Ecover products do not contain any bioaccumulating raw materials and no PCM or nitromusk perfume components. The surface active components used in this product fulfill all of the biodegradability requirements of EC regulation 648/2004.

### 13. DISPOSAL CONSIDERATIONS

- General : Dispose in a safe manner in accordance with local/national regulations.
- Product : Waste of this product is considered chemical waste. The legislation concerning disposal of waste can differ from one country/state to another. The disposal should therefore be done according to national or local waste legislation. If in doubt, ask the local waste management authority for advice (also see § 6 and § 8 when disposing of).
- Packaging : The empty packaging of this product is not subject to ADR. Cleaned empty packaging (including labels and caps) is fully recycable (HDPE + PP); they may be collected selectively for recycling according to national or local waste legislation. Uncleaned packaging should be disposed of as chemical waste.

### 14. TRANSPORT INFORMATION

- General information : Not classified.

### 15. REGULATORY INFORMATION

- R Phrase(s) : None.
- S Phrase(s) : None.



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**16. OTHER INFORMATION**

**Training advice** : For correct use of this product: see Technical Data Sheet.  
**List of relevant R phrases (heading 2)**: R38 : Irritating to skin.  
R41 : Risk of serious damage to eyes.  
**Sources of key data used** : MSDS and additional literature data of the respective suppliers.  
Chemical cards, 12th edition, 1997, ed. MIA, VMCI, Samson  
Comprehensive guide to chemical resistant best gloves for various amounts of  
exposure, 1999, ver.3.5 www  
**Revision** : First version of this MSDS in this new format.  
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The contents and format of this SDS are in accordance with EEC Commission Directive 2001/58EC.

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