



MATERIAL SAFETY DATA SHEET

According to 2001/58EC

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Revised edition no : 3

Date : 12/6/2006

Supersedes : 5/1/2006

Laundry bleach**CODE: 412020372**

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY

Trade name : Laundry bleach
Type of product : Powder.
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 COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Preparation : Substance.
Components : This product is hazardous.
Composition : > 30% : - Oxygenbased bleaching agents

Substance name	Contents	CAS No	EC No	Index No	Classification
Sodium carbonate peroxyhydrate	> 10 %	15630-89-4	239-707-6	----	O; R8 Xn; R22 Xi; R41

INCI : SODIUM CARBONATE PEROXIDE

3 HAZARDS IDENTIFICATION

Hazards identification : According to the Substances Directive 67/548/EEC this product is classified as:
Xn : Harmful O : Oxidizing

Risk Phrases : R8 : Contact with combustible material may cause fire. R22 : Harmful if swallowed. R41 : Risk of serious damage to eyes.

Symptoms relating to use

- Inhalation : Overexposure may cause : Sore throat. Cough.
- Skin contact : Prolonged or repeated contact may cause skin to become dry or irritated.
- Eye contact : May cause eye irritation. Redness, pain.
- Ingestion : Ingestion may cause nausea, vomiting and diarrhea. Abdominal pain.

Caution : May accelerate the burning of combustible materials.

4 FIRST AID MEASURES

First aid measures

- Inhalation : Remove victim to fresh air.
Seek medical attention if ill effect or irritation develops.
- Skin contact : Rinse affected area thoroughly with water to remove concentrated product.
Remove contaminated clothing.
Seek medical attention if ill effect or irritation develops.
- 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! Let the victim drink 2 glasses of water on his own.
Seek medical advice.

Note to physician : No special requirements.

Workplace equipment : No specific recommendations.



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5 FIRE-FIGHTING MEASURES

- Specific hazards** : Contact with combustible material may cause fire.
- Extinguishing media**
- **Suitable extinguishing media** : All extinguishing media can be used.
 - **Unsuitable extinguishing media** : Contains oxidizing percarbonate that can release oxygen by activation. Therefore don't sprinkle water on dry product.
- Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.
See Heading 8.
- Special procedures** : Exercise caution when fighting any chemical fire.

6 ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Avoid contact with skin, eyes and clothes. Equip cleanup crew with proper protection.
See Heading 8.
- Environmental precautions** : Avoid release to the environment. Prevent entry to sewers and public waters.
- 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 and a water and dust vacuum cleaner.

7 HANDLING AND STORAGE

- General** : Minimize generation of dust.
- Protection against fire** : Avoid:
Heat. Combustible material.
In case the packaging gets warm spontaneously, move it to a safe place, empty out and sprinkle abundantly.
- Storage** : Store in a cool, well ventilated and fireproof area, in tightly closed original packaging. Do not store in direct sunlight.
Keep out of the reach of children. Store away from heat/moisture. Reducing agents (combustibles).
Acids.
- Handling** : Avoid contact with skin, eyes and clothes.
When using, do not eat, drink or smoke.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- Personal protection**
- **Skin protection** : Wear waterproof gloves (preferably PVC or butylrubber) in case of intensive use or contact with undiluted product.
 - **Eye protection** : Wear chemical goggles when clearing accidentally released material.
 - **Respiratory protection** : Ensure sufficient ventilation and wear a dust mask P2 when taking up intensively material which is accidentally released.
 - **Ingestion** : When using, do not eat, drink or smoke.
- Environment protection see § 6**

9 PHYSICAL AND CHEMICAL PROPERTIES

- Physical state at 20 °C** : Powder.
- Colour** : White.
- Odour** : Odourless.
- pH value (concentrated product)** : 1% 10,5
- Density** : 0,90 kg/l



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9 PHYSICAL AND CHEMICAL PROPERTIES (continued)

Viscosity	: No data available.
Solubility in water	: Good.
Flash point [°C]	: >100
Volatile Organic Compounds (%)	: 0
Explosion limits	: Contact with combustible material may cause fire.
Oxidising properties	: This product contains oxidizing sodium carbonate peroxide

10 STABILITY AND REACTIVITY

Stability and reactivity	: Even when properly stored, the sodium carbonate peroxide will lose his activity. Therefore it is recommended to consume the product within a year.
Conditions to avoid	: Heat. Heat sources. Moisture.
Materials to avoid	: Combustibles. Acids. Metals. Reducing agents. Organic compounds. Hypochlorite.
Hazardous decomposition products	: None under normal conditions.

11 TOXICOLOGICAL INFORMATION

Eye irritatie (RBC test: Mean Indices Ocular Irritancy)	: No data available.
Skin irritation (RBC test: Denaturation Index)	: No data available. (Sodiumdodecylsulfate= 100%)
Evaluation of the security for the human health	
- Dermal	: Slightly irritating
- Ocular	: Irritation due to the composition.
- Ingestion	: Hardly toxic (LD 50 rat-oral-theoretic 500-5000 ppm).
Sensitization	: To the best of our knowledge, this product contains no sensitizing raw materials.
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 (<i>C. vulgaris</i>) [mg/l]	: 7.7 Toxic.
48 Hour EC50 <i>Daphnia magna</i> [ppm] (OECD 202)	: 5 Toxic.
Remarks	: Ecover products do not contain any bioaccumulating raw materials and no PCM or nitromusk perfume components. As the bleach does not contain any organic materials, the Sapromat test can not be carried out and becomes irrelevant.

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).


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13 DISPOSAL CONSIDERATIONS (continued)

Packaging : The empty packaging (not containing any residues) of this product can be disposed of as paper waste according to national or local waste legislation. Packaging containing residues of this product should be disposed of as chemical waste. Empty packaging is not subject to ADR.

14 TRANSPORT INFORMATION

General information : Land transport.
UN No. : 1479
H.I. nr : 50
ADR/RID : Class : 5.1
 Group : III
- Proper shipping name : OXIDIZING SOLID, N.O.S. (Sodium carbonate peroxyhydrate)
Labelling ADR : 
Personal precautions : The driver shall not attempt to deal with any fire of the load.
In case of spillage and/or leakage : Clean up even minor leaks or spills if possible without unnecessary risk.
Emergency action in case of accident : Mark roads and warns other road users.
Additional information : None.
- Limited Quantity : LQ 12

15 REGULATORY INFORMATION

Symbol(s) :  
 : Xn : Harmful
 O : Oxidizing
R Phrase(s) : R8 : Contact with combustible material may cause fire.
 R22 : Harmful if swallowed.
 R41 : Risk of serious damage to eyes.
S Phrase(s) : S2 : Keep out of the reach of children.
 S3 : Keep in a cool place.
 S17 : Keep away from combustible material.
 S25 : Avoid contact with eyes.
 S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S46 : If swallowed seek medical advice immediately and show this container or label.
 S51 : Use only in well-ventilated areas.
EEC Composition of detergents : > 30% : - Oxygenbased bleaching agents

16 OTHER INFORMATION

Training advice : For correct use of this product: see Technical Data Sheet.
List of relevant R phrases (heading 2) : R8 : Contact with combustible material may cause fire.
 R22 : Harmful if swallowed.
 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



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16 OTHER INFORMATION (continued)

Comprehensive guide to chemical resistant best gloves for various amounts of exposure, 1999, ver.3.5 www

Revision : Revision - See : *
Print date : 15/11/2006
Further information : None.

The contents and format of this SDS are in accordance with EEC Commission Directive 2001/58EC.

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