

Techno Wash**CODE: 32201050****1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY**

Trade name : Techno Wash
Type of product : Powder.
Use : Industrial.
For professional use only.
Company identification : Ecover Belgium NV
Industrieweg 3
2390 Malle Belgium
Phone : +32 (0)3 309 25 00
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Responsible for placing on the market : See address above.

2 COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Preparation : Preparation.
Components : This product contains hazardous components (Directive 67/548/EEC).
* Composition : Regulation (CE) No. 648/2004 of 31 March 2004 on detergents:
< 5% : - Nonionic surfactants - Soap
5% - 15% : - Anionic surfactants - Oxygenbased bleaching agents
15% - 30% : - Zeolites
Perfumes - Enzymes

Substance name	Contents	CAS No	EC No	Index No	Classification
Zeolite	: Between 10 and 100 %	1318-02-1	215-283-8	----	
Sodium carbonate	: Between 10 and 100 %	497-19-8	207-838-8	011-005-00-2	Xi; R36
Sodium carbonate peroxyhydrate	: Between 1 and 10 %	15630-89-4	239-707-6	----	O; R8 Xn; R22 Xi; R41
Fatty Alcohol Sulfate C12-18	: Between 1 and 10 %	68955-19-1	273-257-1	----	Xi; R38-41
Sodium metasilicate, pentahydrate	: Between 1 and 10 %	10213-79-3	229-912-9	----	C; R34 Xi; R37
Ethoxylated rapeseed methyl esters	: Between 1 and 10 %	158318-69-5	----	----	Xi; R36
Soap	: Between 1 and 10 %	----	----	----	Xi; R36/38
Perfume	: Between 0.01 and 0.1 %	----	----	----	Xn; 68 R43 N; R51-53
Subtilisin	: Between 0.01 and 0.1 %	9014-01-1	232-752-2	647-012-00-8	Xi; R36/38 R42

* INCI : ZEOLITE
SODIUM CARBONATE
SODIUM CARBONATE PEROXIDE
SODIUM C12-18 ALKYL SULFATE
SODIUM METASILICATE
Fatty acid methyl esters ethoxylates
SODIUM COCOATE
PARFUM
Subtilisin

3 HAZARDS IDENTIFICATION

Hazards identification : Not classified as dangerous product.
Symptoms relating to use
- Inhalation : None under normal conditions.
When not cleaned on time, substances containing enzymes can be released resulting in sensitization.
- Skin contact : Prolonged or repeated contact may cause skin to become dry or irritated.

Techno Wash**CODE: 32201050****3 HAZARDS IDENTIFICATION (continued)**

- Eye contact : Irritation to eyes.
- Ingestion : Abdominal pain.
Diarrhea.
Nausea.
Vomiting.

4 FIRST AID MEASURES**First aid measures**

- Inhalation : Allow the victim to rest.
Assure fresh air breathing.
Seek medical attention if ill effect or irritation develops.
- Skin contact : Flush with plenty of water.
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 attention immediately.
- Note to physician** : No specific recommendations.
- Workplace equipment** : No specific recommendations.

5 FIRE-FIGHTING MEASURES

- Specific hazards** : None.
- 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** : Exercise caution when fighting any chemical fire.
See Heading 8.

6 ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Avoid contact with skin and eyes.
Clean-up released powder in time.
Equip cleanup crew with proper protection.
See Heading 8.
- Environmental precautions** : Avoid release to the environment.
- Clean up methods** : Collect usable powder residues in a clean, lockable container for reuse. Sweep polluted powder as chemical waste and remove the residus with water and plunger.

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 and frost-free place in a closed packaging.
- Handling** : Avoid contact with skin and eyes.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- Personal protection**
 - Skin protection : Wear waterproof gloves when taking up intensively material which is accidentally released. Persons with a sensitive skin are also recommended to wear waterproof

Techno Wash**CODE: 32201050****8 EXPOSURE CONTROLS / PERSONAL PROTECTION (continued)**

- gloves.
- Eye protection : Wear chemical goggles when clearing accidentally released material.
 - Respiratory protection : Wear a dust mask P2 when clearing accidentally released material.
- Environment protection see § 6
- Occupational Exposure Limits : Zeolite : MAC [mg/m³] : 6
Subtilisin : TLV - ACGIH [mg/m³] : 0.00006

9 PHYSICAL AND CHEMICAL PROPERTIES

- Physical state at 20 °C : Powder.
- Colour : White.
- Odour : Flower aroma.
- pH value (concentrated product) : 1% 10,5
- Density : 1 kg/l
- Solubility in water : Good.
- Flash point [°C] : > 100
- Volatile Organic Compounds (%) : 0.1
- Explosion limits : None.
- Oxidising properties : This product contains oxidizing sodium carbonate peroxide

10 STABILITY AND REACTIVITY

- Stability and reactivity : Even when properly stored, the proteases will lose their activity. Therefore it is recommended to consume the product within a year.
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 : Do not store <0°C and >40°C.
Moisture.
- Materials to avoid : Do not mix with other cleaning products.
Acids.
- Hazardous decomposition products : None under normal conditions.

11 TOXICOLOGICAL INFORMATION

- Skin irritation (RBC test: Denaturation Index) (ppm) : 235 Slight irritant.
- Eye irritatie (RBC test: Mean Indices Ocular Irritancy) : No data available.
- Evaluation of the security for the human health
 - Dermal : Irritation due to the composition.
 - Ocular : Irritation due to the composition.
 - Ingestion : Hardly toxic (LD 50 rat-oral-theoretic 500-5000 ppm).
- Sensitization : The used proteases (see §2 and 8) can sensitize as aerosol by inhalation and can lead to skinirritation by prolonged contact by persons with sensitive skin.
- 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)).

Techno Wash**CODE: 32201050****12 ECOLOGICAL INFORMATION****Ecological effects information**

Biodegradation [%] Sapromat respirometry test (OECD 301 F) : No data available.

EC50 72h Algae (Selenastrum capricornutum) [ppm] (OECD 201) : 56 Slightly toxic

48 Hour EC50 Daphnia magna [ppm] (OECD 202) : 26 Slightly toxic

Rotifer toxicity (Brachionus calyciflorus) EC50 24h (ppm) (ASTM E1440-91) : 26 Slightly toxic

Remarks : Ecolino 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 (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 : Not classified.

15 REGULATORY INFORMATION

Symbol(s) : None.

R Phrase(s) : None.

S Phrase(s) : None.

* EEC Composition of detergents : < 5% : - Nonionic surfactants - Soap
5% - 15% : - Anionic surfactants - Oxygenbased bleaching agents
15% - 30% : - Zeolites
Perfumes - Enzymes**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.
R34 : Causes burns.
R36 : Irritating to eyes.
R36/38 : Irritating to eyes and skin.
R37 : Irritating to respiratory system.
R38 : Irritating to skin.
R41 : Risk of serious damage to eyes.
R42 : May cause sensitization by inhalation.
R43 : May cause sensitization by skin contact.
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Techno Wash**CODE: 32201050****16 OTHER INFORMATION (continued)**

Sources of key data used	R68 : Possible risks of irreversible effects. : MSDS and additional literature data of the respective suppliers. Chemiekaarten, 21th edition, 2006, ed. MIA, VMCI, Samson.
Revision	: Revision - See : *
Print date	: 17/10/2006

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

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