

**Techno color 12**

**TECHNOGREEN61**

**SECTION 1. Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Trade name : Techno color 12

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Use : For professional use only.

**1.3. Details of the supplier of the safety data sheet**

Company identification : ECOVER CO-ORDINATION CENTER  
 Steenovenstraat 1A  
 2390 Malle Belgium

Phone : +32 (0)3 309 25 00

Fax : +32 (0)3 311 72 70

e-mail: : sds@ecover.com

Responsible for placing on the market : See address above.

**1.4. Emergency telephone number**

Emergency phone nr : 08451 30 22 30 - UK customer careline

**SECTION 2. Hazards identification**

**2.1. Classification of the substance or mixture**

Classification EC 67/548 or EC 1999/45

: Not classified as dangerous product.

**2.2. Label elements**

Labelling EC 67/548 or EC 1999/45

• S Phrase(s) : 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.

EEC Composition of detergents : < 5% : - Soap  
 5% - 15% : - Nonionic surfactants  
 15% - 30% : - Anionic surfactants - Zeolites  
 Perfumes - Enzymes

**2.3. Other hazards**

None under normal conditions.

**SECTION 3. Composition/information on ingredients**

Substance / Preparation : Preparation.

Substance name	Contents	CAS No	EC No	Index No	REACH	Classification
Zeolite	> 15 < 30 %	1318-02-1	215-283-8	----	----	Not classified. (DSD/DPD) Not classified. (GHS)
Fatty Alcohol Sulfate C12-18	> 15 < 30 %	68955-19-1	273-257-1	----	----	Xi; R38-41 Eye Dam 1 Skin Irrit. 2

**Techno color 12**

**TECHNOGREEN61**

**SECTION 3. Composition/information on ingredients (continued)**

Substance name	Contents	CAS No	EC No	Index No	REACH	Classification
Sodium carbonate	: > 5 < 15 %	497-19-8	207-838-8	011-005-00-2	01-2119485498-19	Xi; R36 ----- Eye irrit 2
Diodium disilicate	: > 5 < 15 %	13870-28-5	237-623-4	----	01-2119485031-47	Xi; R41 ----- Eye Dam 1
Ethoxylated rapeseed methyl esters	: > 5 < 15 %	158318-69-5	----	----	----	Xi; R36 ----- Eye irrit 2
Sodium oleate	: > 1 <= 5 %	----	----	----	----	Xi; R36 ----- Not classified. (GHS)
Amylase, alpha-	: > 0.01 < 0.1 %	9000-90-2	232-565-6	647-015-00-4	----	R42 ----- Resp. Sens. 1
Subtilisin	: > 0.01 < 0.1 %	9014-01-1	232-752-2	647-012-00-8	01- 2119480434-38	Xi; R37/38-41 R42 ----- Eye Dam 1 Resp. Sens. 1 Skin Irrit. 2 STOT SE 3

**SECTION 4. First aid measures**

**4.1. Description of first aid measures**

- Inhalation : Assure fresh air breathing.
- Skin contact : Rinse immediately 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. Seek medical attention.

**4.2. Most important symptoms and effects, both acute and delayed**

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

**4.3. Indication of any immediate medical attention and special treatment needed**

- Note to physician : No specific recommendations.
- Workplace equipment : No specific recommendations.

**SECTION 5. Fire-fighting measures**

**5.1. Extinguishing media**

- Suitable extinguishing media : Alcoholresistant foam.
- Unsuitable extinguishing media : Carbon dioxide.  
Powder.

**Techno color 12****TECHNOGREEN61****SECTION 5. Fire-fighting measures (continued)****5.2. Special hazards arising from the substance or mixture**

None.

**5.3. Advice for fire-fighters****Protection against fire**

: Exercise caution when fighting any chemical fire.  
Do not enter fire area without proper protective equipment, including respiratory protection.  
See Heading 8.

**SECTION 6. Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Clean-up released powder in time.  
Avoid contact with skin and eyes.  
Equip cleanup crew with proper protection.  
See Heading 8.

**6.2. Environmental precautions**

Avoid release to the environment.

**6.3. Methods and material for containment and cleaning up**

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.

**6.4. Reference to other sections**

No data available.

**SECTION 7. Handling and storage****7.1. Precautions for safe handling****Handling**

: Minimize generation of dust.  
Avoid contact with skin and eyes.

**Protection against fire**

: Avoid:  
Heat.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in a cool and frost-free place in a closed packaging.  
Keep out of the reach of children.  
Keep away from combustible material.  
Acids.  
Reducing agents.  
Prevent moisture contact.

**7.3. Specific end use(s)**

No data available.

**Techno color 12****TECHNOGREEN61****SECTION 8. Exposure controls/personal protection****8.1. Control parameters****Personal protection**

- **Respiratory protection** : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
- **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 gloves when doing a hand-wash.
- **Eye protection** : Wear chemical goggles when clearing accidentally released material.

Environment protection see § 6

**8.2. Occupational Exposure Limits**

- Occupational Exposure Limits** : Zeolite : MAC [mg/m<sup>3</sup>] : 6  
Subtilisin : TLV - ACGIH [mg/m<sup>3</sup>] : 0.00006

**SECTION 9. Physical and chemical properties****9.1. Information on basic physical and chemical properties**

- **Appearance** : White.  
Granular solid.
- **Odour** : Lavender.
- **Odour threshold** : No data available.
- **pH** : 1% 10,2
- **Melting point / Freezing point** : No data available.
- **Initial boiling point - boiling range** : No data available.
- **Flash point** : > 100
- **Evaporation rate** : No data available.
- **Flammability** : No data available.
- **Explosion limits (lower - upper)** : None.
- **Vapour pressure** : No data available.
- **Vapour density** : No data available.
- **Relative density** : 0,68 kg/l
- **Solubility** : Good.
- **Partition coefficient :  
n-octanol / water** : No data available.
- **Auto-ignition temperature** : No data available.
- **Thermal decomposition** : No data available.
- **Viscosity** : No data available.
- **Explosive Properties** : No data available.

**9.2. Other information**

- Volatile Organic Compounds (%)** : 0.2

**Techno color 12**

**TECHNOGREEN61**

## SECTION 10. Stability and reactivity

### 10.1. Reactivity

Even when properly stored, the proteases will lose their activity. Therefore it is recommended to consume the product within a year.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

Moisture.

Heat.

Do not store <0°C and >40°C.

### 10.5. Incompatible materials

Organic compounds.

Acids.

Combustibles.

Reducing agents.

Metals.

### 10.6. Hazardous decomposition products

None under normal conditions.

## SECTION 11. Toxicological information

### 11.1. Information on toxicological effects

#### 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** : The used proteases (see §3 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)).

## SECTION 12. Ecological information

### 12.1. Toxicity

48 Hour EC50 Daphnia magna [ppm] : 4.5  
(OECD 202)

### 12.2. Persistence - degradability

**Biodegradation** : All organic ingredients in this product are aerobically biodegradable.

**Techno color 12**

**TECHNOGREEN61**

**SECTION 12. Ecological information (continued)**

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

No data available.

**12.6. Other adverse effects**

**Remarks** : Ecover Technogreen 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.

**SECTION 13. Disposal considerations**

**13.1. Waste treatment methods**

**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.

**SECTION 14. Transport information**

**GENERAL INFORMATION** : Not classified.

**SECTION 15. Regulatory information**

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

Ensure all national/local regulations are observed.

**15.2. Chemical Safety Assessment**

No data available.

**SECTION 16. Other information**

**List of relevant R phrases (heading 3)** : R36 : Irritating to eyes.  
R37/38 : Irritating to respiratory system and skin.  
R38 : Irritating to skin.  
R41 : Risk of serious damage to eyes.  
R42 : May cause sensitization by inhalation.

**Techno color 12****TECHNOGREEN61****SECTION 16. Other information (continued)**

<b>Training advice</b>	: For correct use of this product: see Technical Data Sheet.
<b>Sources of key data used</b>	: 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 Chemiekaarten, 21th edition, 2006, ed. MIA, VMCI, Samson.
<b>Further information</b>	: None.
<b>Revision</b>	: First version of this MSDS in this new format.
<b>Print date</b>	: 14 / 12 / 2011

**DISCLAIMER OF LIABILITY**

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

---

The contents and format of this SDS are in accordance with Regulation (EC) 1907/2006

---

**End of document**