

Floreal Fresh**CODE: 32102066****1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY**

Trade name : Floreal Fresh
Type of product : Liquid.
Use : For professional use only.
Company identification : Ecover Belgium NV
Industrieweg 3
2390 Malle Belgium
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 : Preparation.
Components : This product contains hazardous components (Directive 67/548/EEC).
Composition : Regulation (CE) No. 648/2004 of 31 March 2004 on detergents:
< 5% : - Anionic surfactants
5% - 15% : - Nonionic surfactants
Perfumes - Preservatives
TRIS (HYDROXYMETHYL) NITROMETHANE, 2-BROMO-2-NITROPROPANE-1,
3-DIOL.
LINALOOL, LIMONENE.

Substance name	Contents	CAS No	EC No	Index No	Classification
Alkyl polyglycol ether C10-16 with PO and EO	Between 10 and 100 %	69227-22-1	----	----	Xn; R22 Xi; R41
Perfume	Between 1 and 10 %	----	----	----	R10 Xn; R65 R43 N; R51-53
Fatty Alcohol Sulfate C10-16	Between 1 and 10 %	68585-47-7	271-557-7	----	Xi; R38-41
Limonene (D-)	Between 0.01 and 0.1 %	5989-27-5	227-813-5	601-029-00-7	R10 Xi; R38 R43 N; R50-53
Trishydroxymethylnitromethane	Between 0.01 and 0.1 %	126-11-4	204-769-5	----	Xn; R22
2-bromo-2-nitropropane-1,3-diol	< 0.01 %	52-51-7	200-143-0	603-085-00-8	Xn; R21/22 Xi; R37/38-41 N; R50

INCI : Alkyl polyglycol ether C10-16 with PO and EO
PARFUM
SODIUM LAURYL SULFATE
LIMONENE
TRIS (HYDROXYMETHYL) NITROMETHANE
2-BROMO-2-NITROPROPANE-1,3-DIOL

3 HAZARDS IDENTIFICATION

Hazards identification : Not classified as dangerous product.
Risk Phrases : None.
Symptoms relating to use
- Inhalation : None under normal conditions.
- Skin contact : Prolonged or repeated contact may cause skin to become dry.
- Eye contact : Irritation to eyes.
- Ingestion : Nausea.

Floreal Fresh**CODE: 32102066****3 HAZARDS IDENTIFICATION (continued)**Diarrhea.
Vomiting.
Abdominal pain.**4 FIRST AID MEASURES****First aid measures**

- Inhalation : Not relevant.
 - Skin contact : Rinse affected area thoroughly with water to remove concentrated product. Remove contaminated clothing.
 - Eye contact : Rinse immediately and for at least 15 minutes with copious amounts of water (also assure adequate flushing under the eyelids and if possible after having removed contact lenses). Bring the victim to an ophthalmist.
 - 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 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 : 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. Avoid contact with eyes. Equip cleanup crew with proper protection. See Heading 8.
- Environmental precautions** : Avoid release to the environment.
- Clean up methods** : Recover spilled material as much as possible in a clean container for reuse. Spilled product must be collected with sand or an inert absorbent material and dispose of as chemical waste. Rinse away 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 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. Persons with a sensitive skin are also recommended to wear waterproof gloves.
 - Eye protection : Wear safety goggles when clearing accidentally released material and if there is a risk of splashing.

Floreal Fresh**CODE: 32102066****8 EXPOSURE CONTROLS / PERSONAL PROTECTION (continued)**

- Respiratory protection : Ensure there is adequate ventilation.
Environment protection see § 6

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20 °C : Liquid.
Colour : Orange.
Odour : Flower aroma.
pH value (concentrated product) : 8
Density : 1,00 kg/l
Viscosity at 25°C [mPa.s] (Brookfield LVT) : < 50 mPa.s
Solubility in water : Complete.
Flash point [°C] : > 100
Volatile Organic Compounds (%) : 2.99
Explosion limits : None.
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.
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) : 322 Slight irritant.
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-theoretic 500-5000 ppm).
Sensitization : This product contains sensitizing fragrance components > 100 ppm: see § 2 and 15.
Note : All Techno Green products contain only ELINCS or EINECS registred raw materials and do 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 (cat 1-3))

12 ECOLOGICAL INFORMATION

Ecological effects information
Biodegradation [%] Sapromat respirometry test (OECD 301 F) : 56 Partially biodegradable.
EC50 72h Algae (Selenastrum capricornutum) [ppm] (OECD 201) : 142 Hardly toxic.
48 Hour EC50 Daphnia magna [ppm] (OECD 202) : 33 Slightly toxic

Floreal Fresh**CODE: 32102066****12 ECOLOGICAL INFORMATION (continued)**

Remarks : Techno Green products do not contain any bioaccumulating raw materials and no PCM or nitromusk perfume components.

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 recyclable (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.

Further Phrases : Contains Pinene. May produce an allergic reaction.

EEC Composition of detergents : < 5% : - Anionic surfactants
5% - 15% : - Nonionic surfactants
Perfumes - Preservatives
LINALOOL, LIMONENE.
TRIS (HYDROXYMETHYL) NITROMETHANE, 2-BROMO-2-NITROPROPANE-1,
3-DIOL.

16 OTHER INFORMATION

Training advice : For correct use of this product: see Technical Data Sheet.

List of relevant R phrases (heading 2) : R10 : Flammable.
R21/22 : Harmful in contact with skin and if swallowed.
R22 : Harmful if swallowed.
R37/38 : Irritating to respiratory system and skin.
R38 : Irritating to skin.
R41 : Risk of serious damage to eyes.
R43 : May cause sensitization by skin contact.
R50 : Very toxic to aquatic organisms.
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.
R65 : Harmful : may cause lung damage if swallowed.

Sources of key data used : MSDS and additional literature data of the respective suppliers.

Revision : First version of this MSDS in this new format.

Print date : 30 / 3 / 2007

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

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MATERIAL SAFETY DATA SHEET
According to 2001/58EC

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