

Orange Magic**CODE: 31103144****1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY**

Trade name : Orange Magic
Type of product : Liquid.
Use : For professional use only.
Industrial.
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
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% - 15% : - Nonionic surfactants
LIMONENE.

Substance name	Contents	CAS No	EC No	Index No	Classification
Limonene (D-)	> 10 %	5989-27-5	227-813-5	601-029-00-7	R10 Xi; R38 R43 N; R50-53
Alcohol(C12-18)EO(>5-10)	> 1 <= 10 %	68213-23-0	----	----	Xn; R22 Xi; R41
Alkyl polyglycol ether C10-16 with PO and EO	> 1 <= 10 %	69227-22-1	----	----	Xn; R22 Xi; R41
Alkyl(C8-C10)polyglycoside	> 1 <= 10 %	68515-73-1	POLYMER	----	Xi; R41
Denatonium benzoate (Bitrex)	<= 0.01 %	3734-33-6	223-095-2	----	Xn; R20

INCI : LIMONENE
Alcohol(C12-18)EO(>5-10)
Alkyl polyglycol ether C10-16 with PO and EO
CAPRYL GLUCOSIDE
DENATONIUM BENZOATE

3 HAZARDS IDENTIFICATION

Hazards identification : According to the Preparation Directive 1999/45/EC this product is classified as:
Risk Phrases : R10 : Flammable. R36 : Irritating to eyes. R38 : Irritating to skin. R43 : May cause sensitization by skin contact.
Symptoms relating to use
- **Inhalation** : Inhalation of vapours may cause respiratory irritation.
- **Skin contact** : Irritating to skin.
May cause sensitization by skin contact.
- **Eye contact** : Irritation to eyes.
- **Ingestion** : Bitrex makes it virtually impossible to ingest this product.
Fire hazard : Flammable.
Above flashpoint (see §9) explosive vapour/air mixtures may be formed.

Orange Magic**CODE: 31103144****4 FIRST AID MEASURES****First aid measures**

- Inhalation : Assure fresh air breathing.
Allow the victim to rest.
Seek medical advice.
- Skin contact : Rinse affected area thoroughly with water to remove concentrated product.
Remove contaminated clothing.
- 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**Extinguishing media**

- Suitable extinguishing media : Alcoholresistant foam.
Dry powder.
Carbon dioxide.
- Unsuitable extinguishing media : Do not use a heavy water stream.
- 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.
- Special procedures : Cool heat-exposed product with water spray.

6 ACCIDENTAL RELEASE MEASURES

- Personal precautions : Spill area may be slippery.
Avoid contact with skin and eyes.
Wear protective clothing, ensure a good ventilation and avoid all sources of ignition. Pump with explosion-proof equipment.
See Heading 8.
- Environmental precautions : Avoid release to the environment.
- Clean up methods : Collect leakage in non-lockable container. Absorb spillage with sand or inert material and transfer to a safe area and dispose of as chemical waste. If desired rinse remainder with water.

7 HANDLING AND STORAGE

- Protection against fire : Keep away from sparks, open fire and oxidising agents. Above flashpoint (see §9) closed equipment, ventilation, explosion safe electrical equipment.
When using do not smoke.
- Storage : Keep only in the original container.
Store in a cool, well ventilated and fireproof area, in tightly closed original packaging. Do not store in direct sunlight.
- Handling : Avoid contact with skin and eyes.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION**Personal protection**

- Skin protection : Wear waterproof gloves when using or handling this product.
Wear suitable protective clothing.
- Eye protection : Wear safety goggles when clearing accidentally released material and if there is a risk of splashing.

Orange Magic**CODE: 31103144****8 EXPOSURE CONTROLS / PERSONAL PROTECTION (continued)**

- Respiratory protection : Ensure sufficient ventilation. When exposed to high vapor concentrations wear a respirator for organic vapors (type A).
- Environment protection see § 6

9 PHYSICAL AND CHEMICAL PROPERTIES

- Physical state at 20 °C : Liquid.
- Colour : Orange.
- Odour : Orange
- pH value (concentrated product) : 1% 7
- Density : 0,87 kg/l
- Viscosity at 25°C [mPa.s] (Brookfield LVT) : < 50
- Solubility in water : Forms emulsion in presence of water.
- Flash point [°C] : 52
- Volatile Organic Compounds (%) : 88.2
- Explosion limits - lower [%] : 0.7
- Explosion limits - upper [%] : 6.1
- Oxidising properties : None.

10 STABILITY AND REACTIVITY

- Stability and reactivity : No decomposition under normal conditions of storage and use.
Prolonged storage with exposure to light and high temperatures causes decomposition.
- Conditions to avoid : Do not store <0°C and >40°C.
- Materials to avoid : Reacts violently with strong oxidising agents, causing fire and explosion hazard.
- Hazardous decomposition products : May form peroxides.
May polymerize.

11 TOXICOLOGICAL INFORMATION

- Skin irritation (RBC test: Denaturation Index) (ppm) : 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-ori-theo 500-5000 ppm).
Bitrex makes it virtually impossible to ingest this product.
- Sensitization : This product contains sensitizing fragrance components > 100 ppm: see § 2 and 15.
Prolonged or repeated skin contact with the material will remove natural oils which leads to a dermatitis.
- Note : All Techno Green products contain only ELINCS or EINECS registered 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))

Orange Magic**CODE: 31103144****12 ECOLOGICAL INFORMATION****Ecological effects information****Biodegradation [%] Sapromat respirometry test (OECD 301 F)** : No data available.**EC50 72h Algae (Selenastrum capricornutum) [ppm] (OECD 201)** : 94.6 Slightly toxic**48 Hour EC50 Daphnia magna [ppm] (OECD 202)** : 12 Slightly toxic**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 should be disposed of chemical waste according to national or local waste legislation. Empty packaging is not subject to ADR.**14 TRANSPORT INFORMATION****General information** : Not classified.**15 REGULATORY INFORMATION****Symbol(s)****R Phrase(s)** : R10 : Flammable.
R36 : Irritating to eyes.
R38 : Irritating to skin.
R43 : May cause sensitization by skin contact.**S Phrase(s)** : S3 : Keep in a cool place.
S16 : Keep away from sources of ignition - No smoking.
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39 : Wear suitable gloves and eye/face protection.
S51 : Use only in well-ventilated areas.**EEC Composition of detergents** : 5% - 15% : - Nonionic surfactants
LIMONENE.**16 OTHER INFORMATION****Training advice** : For correct use of this product: see Technical Data Sheet.**List of relevant R phrases (heading 2)** : R10 : Flammable.
R20 : Harmful by inhalation.
R22 : Harmful if swallowed.
R38 : Irritating to skin.
R41 : Risk of serious damage to eyes.
R43 : May cause sensitization by skin contact.
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



**MATERIAL SAFETY DATA SHEET
According to 2001/58EC**

Page : 5

Revised edition no : 1

Date : 16/1/2006

Supersedes : 0/0/0

Orange Magic

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16 OTHER INFORMATION (continued)

Sources of key data used : MSDS and additional literature data of the respective suppliers.
Chemiekaarten, 21th edition, 2006, ed. MIA, VMCI, Samson.

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

Print date : 28/3/2006

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

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