

Tenor**32104284****3. COMPOSITION / INFORMATION ON INGREDIENTS (continued)**

INCI : Alkyl polyglycol ether C10-16 with PO and EO
PPG-2 METHYL ETHER
ETHANOLAMINE
BUTOXYPROPANOL
PARFUM
LIMONENE

4. FIRST AID MEASURES**First aid measures**

- Inhalation : Fresh air, rest in half sitting position. Seek medical advice.
- Skin contact : Rinse immediately with plenty of water.
Seek medical attention if ill effect or irritation develops.
- 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 skin and 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 skin and eyes.

Tenor**32104284****8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Personal protection**

- **Skin protection** : Wear waterproof gloves when taking up intensively material which is accidentally released.
Wear suitable protective clothing and gloves.
- **Eye protection** : Wear safety goggles when clearing accidentally released material and if there is a risk of splashing.
- **Respiratory protection** : Ensure there is adequate ventilation.

Environment protection see § 6

- Occupational Exposure Limits** : Dipropylenglycol Methylether : MAC [mg/m³] : 300
Dipropylenglycol Methylether : MAC [ppm] : 50
2-amino-ethanol : MAC [mg/m³] : 7.6
2-amino-ethanol : MAC [ppm] : 3

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state at 20 °C** : Liquid.
- Colour** : Green.
- Odour** : Pine oil
- pH value (concentrated product)** : 11
- Density** : 1,00 kg/l
- Viscosity at 25°C [mPa.s] (Brookfield LVT)** : < 50
- Solubility in water** : Complete.
- Flash point [°C]** : >100
- Volatile Organic Compounds (%)** : 4.2
- 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** : Acids.
Oxidizing agent.
- Hazardous decomposition products** : DPM may form peroxides.

11. TOXICOLOGICAL INFORMATION

- Skin irritation (Invitox n°99) (ppm)** : 660 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.
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 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/

Tenor**32104284****11. TOXICOLOGICAL INFORMATION (continued)**

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)** : 100 Biodegradable.**EC50 72h Algae (Selenastrum capricornutum) [ppm] (OECD 201)** : 342 Hardly toxic.**48 Hour EC50 Daphnia magna [ppm] (OECD 202)** : 30 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 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 non-chemical waste.**14. TRANSPORT INFORMATION****General information** : Not classified.**15. REGULATORY INFORMATION****Symbol(s)****R Phrase(s)** : R36 : Irritating to eyes.**S Phrase(s)** : S25 : Avoid contact with eyes.

S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39 : Wear eye/face protection.

EEC Composition of detergents : < 5% : - Soap

5% - 15% : - Nonionic surfactants

Perfumes

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.

R20/21/22 : Harmful by inhalation, in contact with skin and if swallowed.

Tenor**32104284****16. OTHER INFORMATION (continued)**

R22 : Harmful if swallowed.
R34 : Causes burns.
R36/37/38 : Irritating to eyes, respiratory system and skin.
R36/38 : Irritating to eyes and skin.
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.
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.
Chemiekaarten, 21th edition, 2006, ed. MIA, VMCI, Samson.

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

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