

Inox Polish**CODE: 32107622****1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY**

Trade name : Inox Polish
Type of product : Liquid.
Use : For professional use only.
Industrial.
Company identification : Ecover Belgium NV
Industrieweg 3
2390 Malle Belgium
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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:
LIMONENE.

Substance name	Contents	CAS No	EC No	Index No	Classification
Propylene glycol n-propyl ether	: Between 10 and 100 %	1569-01-3	216-372-4	-----	R10
3-butoxypropan-2-ol (PNB)	: Between 10 and 100 %	5131-66-8	225-878-4	603-052-00-8	Xi; R36/38
2-amino-ethanol	: Between 1 and 10 %	141-43-5	205-483-3	603-030-00-8	Xn; R20/21/22 C; R34 Xi; R36/37/38
Limonene (D-)	: Between 0.1 and 1 %	5989-27-5	227-813-5	601-029-00-7	R10 Xi; R38 R43 N; R50-53

INCI : PROPYLENE GLYCOL PROPYL ETHER
BUTOXYPROPANOL
ETHANOLAMINE
LIMONENE

3 HAZARDS IDENTIFICATION

Hazards identification : According to the Preparation Directive 1999/45/EC this product is classified as:
Irritating.
Risk Phrases : R36/38 : Irritating to eyes and skin.
Symptoms relating to use
- **Inhalation** : Irritation of the bronchial tract, narcotic effects, dizziness and headaches may occur with high vapour concentrations.
- **Skin contact** : Irritation, redness, pain. Prolonged or repeated skin contact causes irritation or dehydration of the skin and may cause burns. Vapours may cause skin irritation.
- **Eye contact** : Corrosion, redness, pain. Vapours may be irritating to eyes and may cause corneal damage.
- **Ingestion** : Headache.
Diarrhea.
Vomiting.
Abdominal pain.
Fire hazard : Combustible.
Above flashpoint (see §9) explosive vapour/air mixtures may be formed.

Inox Polish**CODE: 32107622****4 FIRST AID MEASURES****First aid measures**

- Inhalation : Fresh air, rest in half sitting position. If the victim has stopped breathing, apply artificial respiration. If the victim has difficulty breathing, administer oxygen and advise a physician.
- Skin contact : Rinse affected area thoroughly with water to remove concentrated product. Remove contaminated clothing. 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. Seek medical attention.
- Note to physician : In case of burns, disinfect and treat as thermic wounds. No specific antidote.
- Workplace equipment : Provide local exhaust or general room ventilation.

5 FIRE-FIGHTING MEASURES**Extinguishing media**

- Suitable extinguishing media : All extinguishing media can be used.
Alcoholresistant foam.
- Unsuitable extinguishing media : None.
- Protection against 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.
Exercise caution when fighting any chemical fire.
Keep away from sources of ignition - No smoking.

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 : Keep away from sparks, open fire and oxidising agents. Above flashpoint (see §9) closed equipment, ventilation, explosion safe electrical equipment.
- Storage : Store in a cool and frost-free place in a closed packaging.
Avoid :
Direct sunlight.
- Handling : Do not smoke while handling product.
Avoid contact with skin and eyes.
Use only in well ventilated areas.

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

- Skin protection : When used intensively, wear clothing that cover all parts of the body and waterproof gloves (natural rubber, butyl rubber or polyethylene are recommended; neoprene and PVC are less suitable). Always wear gloves when using

Inox Polish**CODE: 32107622****8 EXPOSURE CONTROLS / PERSONAL PROTECTION (continued)**

- Eye protection : concentrated product and when intensively clearing accidentally released product.
: Wear acid protective goggles if there is a risk of splashing. In case of eye irritation, wear a face-covering filter mask (type A).
- Respiratory protection : Ensure sufficient ventilation. When exposed to high vapor concentrations wear a respirator for organic vapors (type A).
- Environment protection see § 6
- Occupational Exposure Limits : 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 : Yellow.
- Odour : Fatty acid
- pH value (concentrated product) : 10
- Density : 0,96 kg/l
- Viscosity at 25°C [mPa.s] (Brookfield LVT) : < 50
- Solubility in water : Forms emulsion in presence of water.
- Flash point [°C] : 64
- Volatile Organic Compounds (%) : 25.2
- Explosion limits : Above flashpoint (see §9) explosive vapour/air mixtures may be formed.
(1.1-8.4 vol% PNP or PNB)
- 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.
If frozen, thaw and mix thoroughly before use.
- Materials to avoid : Reacts violently with strong oxidising agents, causing fire and explosion hazard.
Do not mix with other cleaning products.
- Hazardous decomposition products : May polymerize.
Peroxides.

11 TOXICOLOGICAL INFORMATION

- Skin irritation (RBC test: Denaturation Index) (ppm) : 39 (irritating).
- 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-theoretical 5000-15000 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))

Inox Polish**CODE: 32107622****12 ECOLOGICAL INFORMATION****Ecological effects information**

Biodegradation [%] Sapromat respirometry test (OECD 301 F) : 93 Biodegradable.

EC50 72h Algae (Selenastrum capricornutum) [ppm] (OECD 201) : 35 Slightly toxic

48 Hour EC50 Daphnia magna [ppm] (OECD 202) : 32 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 chemical waste.**14 TRANSPORT INFORMATION****General information** : Not classified.**15 REGULATORY INFORMATION****Symbol(s)**

: Xi : Irritant

R Phrase(s) : R36/38 : Irritating to eyes and skin.**S Phrase(s)** : S23 : Do not breathe spray.

S24/25 : Avoid contact with skin and eyes.

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

S37 : Wear suitable gloves.

S51 : Use only in well-ventilated areas.

Further Phrases : Contains : - Limonene (D-). May produce an allergic reaction.**EEC Composition of detergents** : 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.
R34 : Causes burns.
R36/37/38 : Irritating to eyes, respiratory system and skin.
R36/38 : Irritating to eyes and skin.
R38 : Irritating to skin.
R43 : May cause sensitization by skin contact.

Inox Polish**CODE: 32107622****16 OTHER INFORMATION (continued)****Sources of key data used**

R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

: Chemiekaarten, 21th edition, 2006, ed. MIA, VMCI, Samson. Occupational Safety and health guideline for ethanalamine OSHA (www). MSDS and additional literature data of the respective suppliers.

Comprehensive guide to chemical resistant best gloves for various amounts of exposure, 1999, ver.3.5 www.

Revision

: First version of this MSDS in this new format.

Print date

: 29/5/2006

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

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