

Safety data sheet PRELIMINARY Greece
Euro Guardian Shadow Remover

Printed on 25.09.2002

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1. Identification of substance

◆ **Product details**

◆ **Trade name:** Euro Guardian Shadow Remover

◆ **Distributor:**

Euro Guardian Graffiti Management B.V.

• International Department

Noorderstaete 16
9402 XB Assen
Nederland
Tel: +31 (592) 409518

◆ **Information department:**

R & D department:

Technical director Mr. A.J.Newman, BSc
Tel: 00 61 (0) 408 882 907

2. Composition/data on components:

◆ **Chemical characterization**

Description:
Cleaning product

◆ **Dangerous components:**

	High boiling odourless solvent (boiling point 213°C)	50 %
111-76-2	Butylglycol Xn, R20/21/22-37	15%
1310-58-3	Kaliumhydroxid C, R35, R22	5 %
68131-39-5	Surfactant	5 %
7732-18-5	Water	25%

3. Hazards identification:

◆ **Hazard designation:** **C, Corrosive**

◆ **Information pertaining to particular dangers for man and environment:**

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed
R 35 Causes severe burns
R 37 Irritating to respiratory system

◆ **Classification system**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

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4. First aid measures:

- ◆ **General information**
 - Instantly remove any clothing soiled by the product
 - In case of irregular breathing or respiratory arrest provide artificial respiration
- ◆ **After inhalation:**
 - Take affected persons into the open air and position comfortably
 - Seek medical treatment
 - In case of unconsciousness bring patient into stable side position for transport
- ◆ **After skin contact:**
 - Instantly wash with water and soap and rinse thoroughly
 - Creme skin
 - If skin irritation continues, consult a doctor
- ◆ **After eye contact:**
 - Rinse opened eye for several minutes under running water. Then consult doctor.
- ◆ **After swallowing:**
 - Do not induce vomiting; instantly call for medical help
 - Rinse out mouth and then drink plenty of water or milk
- ◆ **Information for doctor**
 - The following symptoms may occur:
 - Sickness
 - Vomiting
 - Gastric or intestinal trouble
 - By prolonged/repeated exposition or in high concentrations:
 - Headache
 - Dizziness
 - Irritating effect on skin and eyes
 - Irritating effect on respiratory organs
 - Danger:
 - Swallowing followed by vomiting may lead to aspiration into the lungs which leads to suffocation or toxic oedema of the lungs
 - Long-term or repeated exposition may cause dermatitis
 - Treatment:
 - Symptomatic treatment
 - To avoid dermatitis (skin inflammation), use skin cream

5. Fire fighting measures:

- ◆ **Suitable extinguishing agents**
 - Spraying with water (misting)
 - Fire-extinguishing powder
 - Carbon dioxide
- ◆ **For safety reasons unsuitable extinguishing agents:**
 - Water with a full water jet
- ◆ **Protective equipment:**
 - Wear self-contained breathing apparatus
 - Wear full protective clothes
- ◆ **The product does not burn.**

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6. Accidental release measures:

- ◆ **Persons-related safety precautions:**
 - Wear protective equipment (Butylrubber). Keep unprotected persons away.
 - Ensure adequate ventilation
 - Keep away from ignition sources
- ◆ **Measures for environmental protection:**
 - Do not allow product to reach sewage system or water bodies
 - Do not allow to enter the ground/soil
 - Prevent from spreading (e.g. by damming-in or oil barriers)
 - Inform respective authorities in case product reaches water or sewage system
 - Is biodegradable when in the environment
- ◆ **Measures for cleaning/collecting:**
 - Thin with lot of water, neutralise with HCL
 - Remove mechanically: Cover remains with damp, liquid-binding material (e.g. sand, sawdust, chemical binders).
 - Ensure adequate ventilation
- ◆ **Additional information:**
 - See section 13 for information on disposal

7. Handling and storage

- ◆ **Handling**
 - Information for safe handling:
 - Use only in well ventilated areas
 - Can damage some plastics
 - Information about protection against explosions and fires:
 - Product is not flammable
 - ◆ **Storage**
 - Requirements to be met by storerooms and containers:
 - Store in cool location
 - Do not store below 0°C.
 - Keep containers closed
 - Information about storage in one common storage facility:
 - Do not store with food products.
- Further information about storage conditions:
- Store in cool, dry conditions in well sealed containers
 - Store container in well ventilated position
 - Protect from heat and direct sunlight
 - Keep at a cool place. Heating up leads to pressure building and chance of bursts

8. Exposure controls and personal protection

- ◆ **Additional information about design of technical systems:**

No additional information. Refer to point 7.

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◆ **Components with critical values that require monitoring at the workplace:**

111-76-2 Butylglycol		
MAC value TGG 8 uur	20 ppm	100 mg/m ³
MAC value TGG 15 min.	40 ppm	200 mg/m ³
1310-58-3 Kaliumhydroxide		
MAC value TGG 8 uur	2 mg/m ³	

◆ **Additional information:**

The lists that were valid during the compilation were used as basis

◆ **Personal protective equipment:**

General protective and hygienic measures:

- Instantly remove any soiled and impregnated clothing
- Keep away from foodstuffs, beverages and food
- Do not eat, drink or smoke while working
- Apply solvent-resistant skin protection preparation before beginning work
- Wash hands during breaks and at the end of the work
- Avoid contact with eyes and skin
- Do not inhale gases / fumes / aerosols

◆ **Breathing equipment:**

- In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

◆ **Short term filter device:**

Filter A / A plus (in case of misting or spraying)

◆ **Protection of hands:**

- Non breathing gloves
- Neoprene gloves

◆ **Eye protection:**

- Tightly sealed safety glasses
- Face protection

◆ **Body protection:**

- Protective working clothing

9. Physical and chemical properties:

- ◆ Form: Fluid
- ◆ Colour: Dark
- ◆ Smell: Weak

Value/Range Unit Method

Change in condition:

- ◆ Melting point/Melting range: Not determined
- ◆ Boiling point/Boiling range: >100°C
- ◆ Flash point: >110°C
- ◆ **Self-inflammability** Product is not selfigniting
- ◆ Danger of explosion: Product is not explosive.
- ◆ Density: at 20 °C 1.15 g/cm³

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Solubility in / Miscibility with:

- ◆ Water: 100% miscible with water
- ◆ PH: 14

10. Stability and reactivity

- ◆ **Thermal decomposition / conditions to be avoided:**
 - Avoid long term storage
 - No decomposition if used according to specifications
 - No decomposition if used and stored according to specifications
 - Avoid: flames, sparks, heat
 - Product is strongly alcalic and reacts with strong acids at heat development, as with aluminium, copper and zinc composites
- ◆ **Dangerous products of composition:**
 - None if used properly
 - None if stored properly

11. Toxicological information

- ◆ **Acute toxicity:**
LD/ LC50-values that are relevant for classification:
nog niet bekend
- ◆ **Primary irritant effect:**
 - **corrosive**
 - **On the eye:**
 - corrosive
- ◆ **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the general EC Classification Guidelines for Preparations as issued in the latest version: **Corrosive**

12. Ecological information:

- ◆ **General notes**
Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow product to reach ground water, water bodies or sewage system.
Product is easily biodegradable. Damaging effects because of high PH in high concentrations can create damage to fish and other water organisms.

13. Disposal considerations

- ◆ **Product:**
- ◆ **Recommendation:**
 - To be disposed of as special refuse according to official regulations, not to be disposed as household garbage, do not allow into sewage system.
- ◆ **Waste disposal key number:**
Refuse code number: 070604
Designation: Other organic solvents, cleaning fluids, detergents
Disposal: Special refuse incinerator

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- ◆ **Uncleaned packaging:**
Recommendation:
Disposal must be made according to official regulations

14. Transport information

- ◆ **landtransport ADR/RID and GGVS/GGVE (cross-border/domestic):**
 - ADR/GGVS/E Class: 8/42B
 - Number/letter: 80
 - Kemler-number:
 - UN-number: 1814
 - Designation of goods: 1814
 - Opmerkingen:
- ◆ **Maritime transport IMDG/GGVSea:**
 - IMDG/GGVSea-Class: 8
 - Page:
 - UN-number: 1814
 - Packaging group:
 - EMS-number:
 - MFAG:
 - Marine pollutant: -
 - Correct technical name: 1814
- ◆ **Airtransport ICAO-TI and IATA-DGR:**
 - ICAO/IATA-Class: 8
 - UN/ID-number: 1814
 - Packaging group: III
 - Correct technical name: 1814

15 Regulatory information

- ◆ **Designation according to EC guidelines:**
The product has been classified and labeled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV) .
- ◆ **Code letter and hazard designation of product:**



C, Corrosive

- ◆ **Risk phrases:**
 - R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed
 - R 35 Causes severe burns
 - R 37 Irritating to respiratory system

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◆ **Safety phrases:**

- 2 Keep out of reach of children
- 23 Do not breathe fumes / aerosol
- 24/25 Avoid contact with skin and eyes
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- 27 Take off immediately all contaminated clothing
- 36/37/39 Wear suitable protective clothing, gloves and eye/face protection

◆ **National regulations:**

◆ **Classification according to VbF:**

◆ **Technical instructions (air):**
Class share in %

◆ **Water hazard class:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

16. Other information:

- ◆ These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.