



## SAFETY DATA SHEET according to 91/155/EWG

Revised: 02/2008

Printing Date 7 October, 2008

### 1. Description of the product

**1.1 Commercial name:** Ultraclean G (Cleaner for printing inks)  
**1.2 Supplier:**

B. GRAUEL GMBH  
Reuchlinstraße 10-11, Geb. 15/l  
D-10553 Berlin ( Federal Republic of Germany)

Tel.: + 49 30 34 99 37 0  
Fax: + 49 30 34 99 37 22

### 2. Composition/ Ingredients

#### 2.1 Chemical characterisation

Solution of alcohols and glycole ethers of high boiling range and tensides.

##### Hazardous components

2-(2-BUTOXYETHOXY)ETHANOL; EC-No.: 203-961-6; CAS-No.: 112-34-5  
Percentage: 5-15 %  
Classification: Xi; R 36

BENZYL ALCOHOL; EC-No.: 202-859-9 ;CAS-No.: 100-51-6  
Percentage: 1-5 %  
Classification: Xn; R 20/22

LINEAR ALKYL ALCOHOL (C12-C15) ETHOXYLATES; EC-No.: -POLYMER-  
Percentage: 1-5 %  
Classification: N; R 50 Xi; R 41 Xn; R 22

ALKYL MONOETHANOLAMIDE ETHOXYLATE; EC-No.: -POLYMER-  
Percentage: 1-5 %  
Classification: Xi; R 36

2-METHYLPENTANE-2,4-DIOL; EC-No.: 203-489-0 ;CAS-No.: 107-41-5  
Percentage: 1-5 %  
Classification: Xi; R 36/38

SODIUM 3-[2-[HEPTYL-4,5-DIHYDRO-1H-IMIDAZOL-1-YL)ETHOXY] ]PROPIONATE  
EC-No.: 272-563-2; CAS-No.: 68877-55-4  
Percentage: 1-5 %  
Classification: Xi; R 36/38

For the wording of the listed risk phrases refer to section 16.

### 3. Hazards identification

#### Hazards designation

Irritating to eyes.  
Classification: Xi; R 36



#### 4. First aid measures

**General information:** Change soaked clothes immediately.  
**Inhalation:** Fresh air. By irregular respiration/respiratory arrest: artificial respiration  
**Eye contact:** Flush eyes thoroughly with water (10-15 minutes)  
**Skin contact:** Wash skin with soap and water.  
**Ingestion:** Do not induce vomiting. Contact a doctor.

#### 5. Fire-Fighting Measures

**Suitable extinguishing agents:**  
Dry powder, foam (with alcohol), carbon dioxide, water smog  
**For safety reasons unsuitable extinguishing agents:**  
Water jet  
**Special hazards caused by the material, its products of combustion or flue gases**  
Production of carbon monoxide in case of fire, carbon dioxide  
**Special protection equipment during fire fighting:**  
Appropriate breathing apparatus may be required.  
**Additional information**  
Cool endangered containers with water

#### 6. Accidental Release Measures

**Measures for environmental** Do not allow to enter drains. Take it up with liquid absorption (see section 13)  
**Additional information;** Keep away from fire because of organic solvents, care for good ventilation. Do not breathe in vapours.

#### 7. Handling and Storage

**Handling:**  
Avoid contact with eyes and skin.  
**Storage:**  
Keep away from explosive and inflammable materials.  
**Additional information.**  
Protect the product from frost.

#### 8. Exposure Controls / Personal Protection

##### 8.1 Components with limits which are to be observed

Observe the general safety measures concerning the handling with chemicals.

<i>2-(2-Butoxyethoxy) Etanol</i>	CAS: 112-34-5
Specification:	TRGS 900 – limits in the air at the workplace (D)
Value:	100,00 mg/m <sup>3</sup>
Category:	=1=
Remark:	Y
Status:	01.06.99

<i>2-Methyl-2, 4 Pentandiol</i>	CAS: 107-41-5
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Specification: TRGS 900 – limits in the air at the workplace (D)  
Value: 125,00 mg/m<sup>3</sup>  
Category: =1=  
Status: 01.06.99

## 8.2 Personal protective equipment:

### Breathing protection:

Care for good ventilation. This may be managed by local suction plant or general outgoing air. If it is not enough keep the solvent vapour concentration below the MAK limits, a suitable breathing mask must be used.

### Hand protection:

Use protecting gloves which are resistant to solvents

### Eye protection:

Use safety eye-wear

## 9. Physical and chemical Properties

Form: liquid  
Colour: yellow  
Odour: typical

### Safety relevant data:

<b>Boiling point</b>	(1013hPa)	>	100°C	Literaturwert
<b>Flash point</b>		>	101°C	DIN 53213
<b>Vapour pressure</b>	(50°C)		0,108 bar	
<b>Vapour pressure</b>	(20°C)		0,025 bar	
<b>Density</b>	(20°C)	appr.	1 g/cm <sup>3</sup>	DIN 53217
<b>ph-value</b>	(20°C/10 g/l)		7-8	
<b>Leaking time</b>	(20°C)	appr.	20 s	DIN-cup 4mm

## 10. Stability and Reactivity

### Conditions to be avoided:

None under recommended use.

### Materials to be avoided:

Reactions with oxidation materials are possible.

### Dangerous decomposition products:

Not known.

## 11. Toxicological Information

### Field-proven experiences:

By contact with eyes and skin: Prolonged contact may cause irritations and skin inflammations.

## 12. Ecological Information

Do not led into sewage or water.



### 13. Disposal Considerations

**Product:**

In accordance with regulations for special waste the product can be led to an authorised special incineration plant.

**Recommendation**

Arrange the exact waste key with sewage and refuse disposal.

**Waste Key:**

**Dispose No.:** 070104

Designation: other organic solvents

**Dispose No.:** 150110

Designation: Packagings, which contain residues of dangerous materials or which are polluted by dangerous material

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### 14. Transport Information

ADR/RID: This product is not subject to the ADR regulations.

GGVS/GGVE: This product is not subject to the GGVS regulations.

IMDG/GGVSee: This product is not subject to the IMO regulations.

ICAO-TI/IATA-DGR: This product is not subject to the ICAO regulations

**Further indication ref. to transport:**

The product is no hazard good in the national/international transport.

### 15. Regulations

#### 15.1 Designation as per EC-Regulations

**Additional information**

No special designation necessary

#### 15.2 National Regulations

VbF-Class: none

**Technical instructions for the air:**

Sum organic materials class II: 15-20%

Sum organic materials class III: 5-10%

**Water danger class:**

Class: 1 (classification as per VwVwS)

Schweizer Giftgesetz

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### 16. Further Information

The information given of this Safety Data Sheet is based on the present state of our knowledge and current EEC and national laws. It is always the responsibility of the user to take all necessary steps in order to fulfil the demands laid down in the rules and legislation. The information in this Safety Data Sheet is meant as a description of safety requirements of our product; it is not to be considered as a guarantee of the product's properties

## B. GRAUEL GMBH