

## 1. Substance/description of preparation and company

### 1.1 description of preparation

#### Whiteboard-Cleaner

**APLI art.no. 11305 and 11825**

Use: Cleaning of whiteboards

- 1.2 **supplier** APLI PAPER S.A.  
street / P.O. Box Av. Arraona, 120-124  
nationality / zip / city 08210 Barberá del Vallés( Spain)  
telephone: 0034 937479100  
telefax: 0034 937188113
- 1.3 **responsible department:** QEHS Dpt.
- 1.4 **emergency number** APLI PAPER S.A. 0034 93.747.91.00

---

## 2. Composition / information on components of preparation

### 2.1 general characterisation

mixture of solvents, scents and tensides.

### 2.2 hazardous components

CAS No.	description	weight - %	symbol	R-sent
111-76-2	Butylglycol	< 10	Xn	36/38 20/21/22
67-63-0	Isopropylic alcohol	< 10	F, Xi	11-36-67

Contains perfume, Limonene

---

## 3. Possible dangers

### 3.1 description of dangers:

none if used as agreed

### 3.2 special information on danger for people and environment:

none if used as agreed

---

## 4. First aid measures

### 4.1 general information

remove affected person from dangerous area and lay down.  
remove clothes touched by the product.

### 4.2 inhaling

supply fresh air or oxygen Consult emergency doctor if complaints are permanent.  
in case of unconsciousness use stable lateral-position for transport.

### 4.3 skin contact

wash off with water and soap immediately and rinse thoroughly.  
in case of permanent skin irritation consult doctor.

### 4.4 eye contact

rinse open eyes under running water for various minutes. Consult doctor.

### 4.5 swallowing

rinse out mouth and drink water afterwards, do not provoke vomiting and consult a doctor immediately.

### 4.6 information for the doctor

danger of aspiration when swallowing or vomiting.  
symptomatic treatment: n.d.a.

---

-

## 5. Firefighting measures

### 5.1 suitable extinguishing agents:

CO2, firefighting powder or spray jetted water. Fight larger fires with spray jetted water or alcohol resistant foam.

### 5.2 extinguishing agents not suitable for safety reasons: fully jetted water

### 5.3 special dangers caused by the material or the preparation, its combustion product or developing gases:

development of explosive air-gas mixtures possible.  
carbon monoxide or organic crack-products can develop in a fire.

### 5.4 special protection equipment for firefighting

wear breathing apparatus independent from the circulating air.  
wear a complete protection suit.  
depending on size of the fire, coordinate with fire in the surroundings.

---

-

## 6. Measures for accidental evolution

see point 8 and point 13.

### 6.1 personal safety measures:

provide for sufficient ventilation.  
do not inhale gases / vapors / aerosols.

### 6.2 environmental protection measures:

do not introduce larger quantities into sewerage system or into waters.  
inform responsible authorities when sewerage system or waters are affected.

### 6.3 cleaning methods:

take up with liquid-absorbing material ( sand, universal binder).  
provide for sufficient ventilation. Dispose contaminated waste material according to point 13.

---

-

## 7. Storage and handling

### 7.1 handling

#### information for safe handling:

cool and dry storage in tightly closed bottle  
provide for good ventilation/suction filter at the workplace.  
do not inhale gases / vapors / aerosols.

#### information on protection of fire and explosion:

Vapor is heavier than air and can build explosive mixtures with air.  
Cool endangered containers with water. Keep away ignition sources, warmth and do not smoke.

### 7.2 storage

#### requirements for storage rooms and containers:

store in a cool place. Provide for solvent-resistant and tightly closing floor.

**information for materials stored together:** no prohibitions concerning materials stored together

**special storage conditions ( see point 10.2 ):**  
none

---

-

## 8. Limitations of exposition and personal protection equipment

# Safety Data Sheet

according to EC regulation 2001/58/EC

Trade Name:  
Whiteboard Cleaner

## 8.1 additional information for the arrangement of technical plants:

-

## 8.2 components with limit values that are relevant to the workplace

CAS-No.	Description of material	Type	Value	Unit
111-76-2	2-Butoxyethanol	MAK	100	mg/m <sup>3</sup>
		--	20 ml/m <sup>3</sup>	

additional information: the lists valid during time of drawing up are used as basis

## 8.3 personal protection equipment

breathing protection: not required

hand protection: not required

eye protection: not required

body protection: not required

### general protection and hygiene measures:

take the usual measures for the use of chemicals.

take off dirty, soaked clothes.

keep away from food, drinks and food stuff.

do not eat, drink and smoke at work.

wash your hands and use protective skin lotion before breaks and before end of work.

avoid eye and skin contact.

do not inhale gases / vapors / aerosols.

-

## 9. Physical and chemical properties

	value	unit	method
9.1 appearance/smell:			
state:	liquid		
color:	transparent		
odor:	citric		
9.2 data relevant for safety			
pH value:	n.t.		
flaming point :	> 55	°C	(in closed crucible)
danger of explosion:	product is not explosive, but the development of explosive air-vapor mixtures is possible.		
density:	0,98 – 0,99	g/cm <sup>3</sup>	20°C
water solubility:	mixable		
content of solvent	2,5 - 10 w.-%		

-

## 10 Stability and reactivity

### 10.1 conditions to be avoided

warmth, flames

### 10.2 material to be avoided

reaction with strong oxidizing agents and acids

### 10.3 hazardous decomposition products

no hazardous decomposition products known if used as agreed.

-

## 11 Information concerning toxicology

### 11.1 toxicologic tests

LD<sub>50</sub> / LC<sub>50</sub> - values relevant for classification:

<u>component</u>	<u>type</u>	<u>methode</u>	<u>value</u>	<u>unit</u>	<u>species</u>
Butylglycol	orallyl	LD50	1480	mg/kg	rat
	dermally	LD50	400	mg/kg	rat
	inhaling	LC50/4h	450	mg/L	rat

#### primary irritative effects:

##### on the skin:

no irritative effects known

##### in the eye:

light effects.

##### sensitizing effects:

no known sensitizing effects

#### additional toxicologic information:

### 11.2 experience with humans:

long or regular contact can extract fat from the skin.

### 11.3 additional information:

the preparation is classified with the conventional method according to the calculation procedure of the GefStoffV.

The product is a preparation, for which no experimentally determined toxicology value are available. That with „\*“ marked parameters refers on the toxicological most dangerous component in the preparation.

---

## 12 Information on ecology

### 12.1 information about elimination:

#### decomposibility about:

95 %

The biological decomposibility refers to the sum of the single additives.

### 12.2 behavior in environmental compartment:

k.D.v.

### 12.3 ecotoxic effects:

k.D.v.

### 12.4 additional ecologic information

#### hazard category for water:

1 (self classification)

do not introduce larger undiluted quantities into ground water, sewerage system or into waters. The product is a preparation, for which no experimentally determined ecological value are available.

---

## 13 Information on disposal

### 13.1 product

#### recommendation:

comply with regulations of local authorities.

Do not introduce larger undiluted quantities into ground water, sewerage system or into waters.

### 13.2 for uncleaned packaging

#### safe handling:

Do empty container completely. Do not make holes into uncleaned containers, do not cut or weld them. Remains can possibly cause an explosion. After possibility use the container again.

---

## 14 Transport regulations

no dangerous property about ADR

recommendation: store seperately from food stuff and tobacco.

---

## 15 Regulations

### 15.1 labeling regulation on hazardous material including EC regulations (67/548/EEC as well as 88/379/EEC)

spray-application:

S 23 aerosols don't inhale

Necessary labeling from application:

S 2 Keep out of the reach of children

### 15.2 national regulations

hazard category for water:

1 (self classification)

comply with limitations of use / limitations of distribution according to § 15 Gef.Stoff-VO.

comply with accident instructions BG: M 017 „solvents“.

The contact with chemicals usual precautions are to be heeded.

---

## 16. additional information

R-phrases:

11 Highly flammable

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

36/38 Irritating to eyes and skin.

67 Vapours may cause drowsiness and dizziness

department issuing data sheet: Dep. Chem.

---

### Legend:

n.a. = not applicable / n.a. = not available / n.t. = not tested / n.d.a. = no data available /