

1. Substance/description of preparation and company

1.1 description of preparation

Foam cleaner (Aerosol)

APLI art.no. 11300 & 11821

Use: Cleaning of plastic surfaces

- 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 and flammable liquid gases.

2.2 hazardous components

CAS No.	description	weight%	symbol	R-sent
74-98-6	Propane	< 5 %	F+	R12
106-97-8	Butane	< 10 %	F+	R12
67-63-0	Propan-2-ol (vgl. Isopropylic alcohol, 2-Propanol)	< 15 %	F, Xi	R11-36-67
1336-21-6	Ammonia % (Anm. B)	< 1 %	C, N	R34-50
111-76-2	Butylglycol	< 2 %	Xn, Xi	R20/21/22 36/38

Contains less than 5% anionic surfactants; 5% or over but less than 15% aliphatic hydrocarbons ; perfumes

3. Possible dangers

3.1 **description of dangers:** F+ , Extremely flammable

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

container is under pressure. Do not expose directly at sun and at temperatures over 50 °C. Development of explosive air-vapour mixtures is possible.

4. First aid measures

4.1 **general information:** -

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**
do not provoke vomiting and consult a doctor immediately.

5. Firefighting measures

- 5.1 suitable extinguishing agents:**
CO₂, firefighting powder or spray jetted water.
- 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.
Harmful and irritant gases 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:**
wear protective clothing. Keep unprotected people away.
provide for sufficient ventilation.
keep away ignition sources.

7. Storage and handling

- 7.1 handling**
information for safe handling:
cool and dry storage
- 7.2 storage**
requirements for storage rooms and containers:
store in a cool place.

8. Limitations of exposition and personal protection equipment 8.1 components with limit values that are relevant to the workplace

Stoffname CAS-Nr.	ml/m ³	mg/m ³	
Propane 74-98-6	1000	1800	MAK
Butane 106-97-8	1000	2400	MAK
Propan-2-ol 67-63-0	200	500	MAK

Butylglycol
111-76-2

20

100

MAK

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

8.2 personal protection equipment

breathing protection: wear protective mask in case of regular exposure and inappropriate ventilation.

hand protection: wear solvent-resistant protective gloves in case of regular exposure.

eye protection: wear tight protective glasses in case of regular exposure.

general protection and hygiene measures:

take the usual measures for the use of chemicals.

9. Physical and chemical properties

	<u>value</u>	<u>unit</u>	<u>method</u>
9.1 appearance/smell:			
state:		aerosol	
color:			
odor:			
9.2 data relevant for safety			
pH value:			
boiling point/boiling area :	<0	°C	
flaming point :	<0	°C	(in closed crucible)
steam pressure :	2,6 bar	(20°)	
density:			

10 Stability and reactivity

10.1 conditions to be avoided

warmth, flames

10.2 material to be avoided

reaction with strong oxidizing agents.

10.3 hazardous decomposition products

no hazardous decomposition products known if used as agreed.

11 Information concerning toxicology

11.1 toxicologic tests

acute toxicity

primary irritative effects:

in the eye:

can cause irritative effects.

11.2 additional information:

according to the information available to us, the product does not cause health damages if it is used properly and as agreed

12 Information on ecology**12.1 information about elimination:
decomposibility about:**

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

12.2 behavior in environmental compartment: -**12.3 ecotoxic effects:**

13 Information on disposal**13.1 product****recommendation:**

comply with regulations of local authorities.

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

14 Transport regulations**road-transport by ADR**

UN – No: 1950
class: 2
number / letter: 5 F
description of good: Aerosol
limited quantities: LQ 2

Sea transport IMDG-Code:

class: 2
number/letter: -
EMS-No.: F-D, S-U
UN-No : 1950
Description of good: Aerosols
Limited quantities: chapter 3.4 IMDG-Code
Cartons up to 30 kg. Marking see Road transport.

Air transport IATA / ICAO:

class: 2.1
UN-Number: 1950
Description of good: Aerosols flammable, n.o.s.

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

symbol and description of danger:



most dangerous component:

F+
Extremely flammable
propane / butane (label)

R-phrases:

- 12 Extremely flammable
- 18 In use, may form explosive vapour-air mixture.

S-phrases:

- 25 Avoid contact with eyes.
- 23 Do not breathe spray.
- 46 f swallowed, seek medical advice immediately and show this container or label.

spray-application: S 23 aerosols don't inhale

15.2 special labeling of special preparations:

name, address, telephone of producer or seller.

container is under pressure. Do not expose directly at sun and at temperatures over 50 °C (p.e. with incandescent lamps). Do not open with force and do not burn after use. Do not spray on flames or flaming objects. Keep away from ignition sources - do not smoke. Store out of reach of children.

16. additional information

Relevant R-phrases:

- 11 Highly flammable
- 12 Extremely flammable
- 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- 34 Causes burns.
- 36/38 Irritating to eyes and skin.
- 50 Very toxic to aquatic organisms.
- 67 Vapours may cause drowsiness and dizziness

the information refers to the product in its condition on delivery.

department issuing data sheet: Dep. Chem.

Alterations are at the left margin with „* " marked.

Legend:

- n.a. = not applicable / n.a. = not available / n.t. = not tested / n.d.a. = no data available / n.c.d. = not called differently
- VbF = regulation on inflammable liquids
- MAK = maximum concentration at workplace in mg/m³ = ppm
- WGK = hazard category for water