

## ! SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Name of product** LogoClean Pumpspray

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Uses advised against**

#### ! Remark

not known

#### ! Recommended intended purpose(s)

Special cleaner for print engines, rubber rollers, wheels and engine parts

### 1.3. Details of the supplier of the safety data sheet

**Manufacturer/distributor** Logopak Systeme GmbH & Co. KG  
Dorfstr. 40, D-24628 Hartenholm  
Phone +49 4195 - 99750, Fax +49 4195 - 1265

#### Advice

E-mail (competent person):  
info@logopak.de

### 1.4. Emergency telephone number

**Emergency advice** Giftnotrufzentrale Mainz  
Phone +49(0)-6131/19240

## ! SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to 67/548/EEC or 1999/45/EC

F; R11  
Xi; R36  
R52/53  
R66  
R67

#### ! R-phrases

11 Highly flammable.  
36 Irritating to eyes.  
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
66 Repeated exposure may cause skin dryness or cracking.  
67 Vapours may cause drowsiness and dizziness.

#### ! Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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Flam. Liq. 2	H225
Eye Irrit. 2	H319
STOT SE 3	H336
Aquatic Chronic 3	H412

#### Hazard Statements

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

**Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]**

GHS02



GHS07

**! Signal word**

Danger

**Hazard Statements**

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/.../equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash ... thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use ... for extinction.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dipose of contents/container to an authorized waste disposal facility.

**Supplemental Hazard information (EU)**

Repeated exposure may cause skin dryness or cracking.

**2.3. Other hazards****Information pertaining to special dangers for human and environment****SECTION 3: Composition/ information on ingredients****3.1. Substances**

not applicable

**3.2. Mixtures****Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
64-17-5	200-578-6	ethanol	30 - 50	F R11
67-63-0	200-661-7	propan-2-ol	15 - 30	F R11; Xi R36; R67
64742-48-9	927-241-2	hydrocarbons, aliphatic	30 - 40	Xn, R 10, 65, 66, 67, 52/53

**Hazardous ingredients (continued)**

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
64-17-5	200-578-6	ethanol	30 - 50	Flam. Liq. 2, H225
67-63-0	200-661-7	propan-2-ol	15 - 30	Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336
64742-48-9	927-241-2	hydrocarbons, aliphatic	30 - 40	Asp. Tox. 1, H304 / Stot SE 3, H336 / Fla.Liq. 3, H226 / Aquatic Chronic 3, H412

**REACH**

CAS No	Name	REACH registration number
64742-48-9	hydrocarbons, aliphatic	01-2119471843-32

**Description**

Mixture of different solvents

**! SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Remove contaminated soaked clothing immediately.

**In case of inhalation**

Ensure of fresh air.

**! In case of skin contact**

Wash with soap and water, apply emollient cream.

**In case of eye contact**

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

**In case of ingestion**

Give activated charcoal.

Do not induce vomiting. Consult a physician.

Give plenty of water to drink in small sips.

**4.2. Most important symptoms and effects, both acute and delayed**

No information available.

**4.3. Indication of any immediate medical attention and special treatment needed**

No information available.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

ABC-powder, carbon dioxide, foam, dry fire-extinguishing substance

**Unsuitable extinguishing media**

Water

**5.2. Special hazards arising from the substance or mixture**

No special exposure hazards arising from the product

**5.3. Advice for firefighters****Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Keep away sources of ignition.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

### 6.3. Methods and material for containment and cleaning up

Take up residues with liquid absorbing material ( sand, kieselgur, universal binder, saw dust ). Discharge material as waste.

Vacuum vapours at the bottom.

Separate leaky cans

### 6.4. Reference to other sections

No information available.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Use only in well ventilated areas, keep away from sources of ignition

Take measures against electrostatically charging.

Do not spray into flames or against incandescent material

#### Advice on protection against fire and explosion

Cool endangered containers with water

### 7.2. Conditions for safe storage, including any incompatibilities

#### ! Requirements for storage rooms and vessels

Storing at room temperature in sufficient ventilated area

#### Further information on storage conditions

Protect from heat.

Protect from heat and direct solar radiation.

#### Information on storage stability

Storage time: 5 years.

### 7.3. Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Ingredients with occupational exposure limits to be monitored

CAS No	Name	Code	[mg/m3]	[ppm]		Remark
64-17-5	ethanol	8 hours	960	500	2(II)	DFG, Y
67-63-0	propan-2-ol	8 hours	500	200	2(II)	DFG, Y
64742-48-9	mixture of aliphatic hydrocarbons	8 hours	600		2(II)	AGS

### 8.2. Exposure controls

#### Respiratory protection

When product is sprayed in rooms without ventilation wear respiratory protection (filter mask, filter AX, brown); in case of concentration > 1% use an air independent respirator

#### Hand protection

Gloves (solvent resistant), p.e. nitrile rubber (permeation time > 480 min/0,33mm thickness according to DIN/EN 374)

#### Eye protection

safety goggles with side protection in case of spraying the product

#### Skin protection

not applicable

#### Hygiene measures

At work do not eat, drink and smoke.

## ! SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Form**

liquid

**Colour**

clear

**Odour**

characteristic

### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value in delivery state</b>					not applicable
<b>starts to boil</b>	80 °C				
<b>Flash point</b>	> 12 °C			DIN 51755	
<b>Ignition temperature</b>	> 300 °C			DIN 51794	
<b>Autoignition</b>					non autoignitionable
<b>Lower explosion limit</b>	0,7 Vol-%				
<b>Upper explosion limit</b>	12 Vol-%				
<b>Vapour pressure</b>	50 hPa				
<b>Relative density</b>	0,768 g/cm <sup>3</sup>	20 °C		DIN 51757	
<b>Solubility in water</b>					partially miscible

### ! Oxidising properties

The product is combustible.

### 9.2. Other information

evaporation rate: 7      DIN 53170

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Vapours can form with the air an explosive mixture

### 10.2. Chemical stability

The material is stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No information available.

### 10.4. Conditions to avoid

Evolution of highly flammable gases/vapours.

### 10.5. Incompatible materials

**Materials to avoid**

Strong oxidizing agents

### 10.6. Hazardous decomposition products

no

### Thermal decomposition

Remark      At normal pressure may be distilled without decomposition.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>				May cause stomach upset and diarrhea.
<b>LC50 acute inhalation</b>				Low irritant to mucos membranes. Narcotic reaction in higher concentrations.
<b>Irritability skin</b>	mediocre irritant			May be defatting to the skin
<b>Irritability eye</b>	Low irritant. No injuries of eye tissues.			

#### Additional information

No toxicological data available.

## ! SECTION 12: Ecological information

### 12.1. Toxicity

No information available.

### 12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
<b>Biological degradability</b>				Biodegradable

### Biological eliminability

the product can ready biological eliminated

### 12.3. Bioaccumulative potential

Bioaccumulation is not expected

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

### 12.6. Other adverse effects

not known

### ! General regulation

Product does not contain halogenated hydrocarbons (e.g. CFC, CHC), aromatic components (toluene, xylene), PCB, PCT. The product evaporates fast and completely.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Waste code No.

11 01 13\*

#### Name of waste

degreasing wastes containing dangerous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste.

#### Recommendations for the product

Product rests: send for disposal, e.g. special waste incineration.

#### Recommendations for packaging

Totally emptied packaging may be taken for recycling.

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## ! SECTION 14: Transport information

### Land and inland navigation transport ADR/RID

UN 1993 Flammable liquid, n.o.s. (ethanol), 3, II, (D/E), Classification code: F1

### Marine transport IMDG

UN 1993 flammable liquid, n.o.s. limited quantity (Ethanol, 2-Propanol), 3, II

EmS-Nr.: F-D, S-U

### Air transport ICAO/IATA-DGR

UN 1993 Flammable liquid, n.o.s. (Ethanol, 2-Propanol), 3, II

### Special precautions for user

No information available.

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

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## ! SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### ! Application restrictions

not known

### 15.2. Chemical Safety Assessment

Chemical safety assessment for the contained hydrocarbon-mixture was carried out.

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## SECTION 16: Other information

### Recommended uses and restrictions

Such information is the best of our knowledge and belief accurate and reliable as to the date indicated. However the information given here is submitted without any liability on our part.

### Further information

Main changes to preliminary versions are marked with "!" on the left side of the pages

The following R-phrases do not represent the classification of the total product. They refer to the pure ingredients, mentioned in point 3.

### Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 10 Flammable.

R 11 Highly flammable.

R 36 Irritating to eyes.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 65 Harmful: may cause lung damage if swallowed.

R 66 Repeated exposure may cause skin dryness or cracking.

R 67 Vapours may cause drowsiness and dizziness.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.