

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

1.1. Product identifier

Name of product LogoClean Aerosol

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+; R12

R66

R67

R-phrases

12 Extremely flammable.

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. Aerosol 1	H222
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Eye Irrit. 2	H319
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STOT SE 3	H336
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Hazard Statements

H222	Extremely flammable aerosol.
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H319	Causes serious eye irritation.
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H336	May cause drowsiness or dizziness.
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2.2. Label elements

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



GHS02



GHS07

! Signal word

Danger

Hazard Statements

H222 Extremely flammable aerosol.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P211 Do not spray on an open flame or other ignition source.
 P251 Pressurized container: Do not pierce or burn, even after use.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264 Wash ... thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 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.
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.
 P501 Dispose of contents/container to ...

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

Aerosol can - do not inhale spray.

! 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	15 - 30	F R11
67-63-0	200-661-7	propan-2-ol	10 - 20	F R11; Xi R36; R67
68606-25-7	271-734-9	mixture of propane and butane	20 - 40	F+ R12
64742-48-9	927-241-2	hydrocarbons, aliphatic	10 - 24,9	Xn, R 10, 65, 66, 67, 52/53

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
64-17-5	200-578-6	ethanol	15 - 30	Flam. Liq. 2, H225
67-63-0	200-661-7	propan-2-ol	10 - 20	Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336

Hazardous ingredients (continued)

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
68606-25-7	271-734-9	mixture of propane and butane	20 - 40	Fla.Gas 1, H220 /
64742-48-9	927-241-2	hydrocarbons, aliphatic	10 - 24,9	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

Propellant: propane/butane

! 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, foam, dry fire-extinguishing substance

Unsuitable extinguishing media

Strong water jet

5.2. Special hazards arising from the substance or mixture

No special exposure hazards arising from the product

Aerosol - overheated cans will explode and be thrown away with big force

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

no

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

Do not inhale aerosol

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

Do not spray into flames or against incandescent material

Do not pierce or burn, even after use

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

Take care for storage conditions of aerosol produkts

Further information on storage conditions

Protect from heat.

Protect from heat and direct solar radiation.

Information on storage stability

Storage time: 3 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
68606-25-7	mixture of propane and butane	8 hours		1000	MAK
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 independant 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 procection in case of spraying the product

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 aerosol	Colour clear	Odour characteristic
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Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value in delivery state					not applicable
starts to boil	78 °C				
Flash point	> 10 °C			DIN 51755	
Ignition temperature	> 300 °C			DIN 51794	
Autoignition					non autoignitionable
Lower explosion limit	1,5 Vol-%				
Upper explosion limit	12 Vol-%				
Vapour pressure	60 hPa				
Relative density	0,768 g/cm ³	20 °C			
Solubility in water					partially miscible

! Oxidising properties

The product is combustible.

Explosive properties

At use possible formation of explosive/highly flammable mixtures of vapours with the air.
Danger of bursting at temperatures above 50°C

9.2. Other information

Inside pressure 370 kPa

These informations are valid for the active substance

evaporation rate: 7 DIN 53170

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

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

Protect from sunlight and temperatures above 50°C. Aerosol product

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
LD50 acute oral	> 5000 mg/kg	rat		Can lead to digestive discomfort und diarrhoe. May cause lung damage.
LD50 acute dermal	> 5000 mg/kg	rabbit		
LC50 acute inhalation				Low irritant to mucos membranes. Narcotic reaction in higher concentrations.
Irritability skin	mediocre irritant			May be defatting to the skin
Irritability eye	May rise to damages to the cornea			
Skin sensitization				no

Additional information

The data on toxicology refer to the main components.

!SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

	Value	Species	Method	Validation
Fish				The product is highly volatile.

12.2. Persistence and degradability

Biological degradability

readily degradable

Biological eliminability

the product can ready biological eliminated

12.3. Bioaccumulative potential

not determined

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.

16 05 04*

Name of waste

gases in pressure containers (including halons) 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

Usually there is no product to discharge after use

Recommendations for packaging

Empty and non-pressurized cans: EWC-No. 15 01 04

Totally emptied packaging may be taken for recycling.

General information

Spray cans with residues: EWC-No. 160504 gases containing hazardous substances in pressurized containers.

! SECTION 14: Transport information

! Land and inland navigation transport ADR/RID

UN 1950 AEROSOLS, LIMITED QUANTITY, 2.1, (D), Classification code: 5F

! Marine transport IMDG

UN 1950 Aerosols, limited quantities 1I, 2

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

Air transport ICAO/IATA-DGR

UN 1950 Aerosols, flammable, 2.1

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.

! SECTION 15: Regulatory information

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

No information available.

15.2. Chemical Safety Assessment

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

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 12 Extremely 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.

H220 Extremely flammable gas.

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.