

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : 270 ML POLO LIGHTER GAS

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

Application of the substance / the mixture Lubricant

1.3. Details of the supplier of the safety data sheet

Manufacturer KOZMO KİMYA SAN. VE DIŞ. TİC.LTD.ŞTİ
Velimeşe Organize Sanayi Bölgesi
212. Sok. No :1/1
Ergene/TEKİRDAĞ
90 282 676 46 80
info@kozmozkimya.com
Fax: +09 282 676 46 53

Contact Person production@kozmozkimya.com

1.4. Emergency telephone number

KOZMO KİMYA: +90 212 771 2211 (working hours)

SECTION 2: HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture**

Classification (EC 1272/2008)
Physical and Chemical Hazards Flam. Gas 1, H220
Liq. Gas, H280

Human health Not classified.

Environment Not classified.

The Full Text for all Hazard Statements are Displayed in Section 16.

SECTION 2: HAZARDS IDENTIFICATION

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.

Hazard pictograms



Flam.Aerosol 1 H222-H229 Extrremely Flammable Aerosol. Pressurised Container : May burst if heated

Signal Word Danger

Hazard Statements

- H220 Extremely flammable gas
- H280 Contains gas under pressure; may explode if heated

Precautionary Statements

- P102 Keep out of reach of children
- P201 Obtain special instructions before use
- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P243 Take precautionary measures against static discharge.
- P280 Wear protective gloves/protective clothing/eye protection/face protection
- P308+P313 IF exposed: Call a POISON CENTER or doctor/physician.
- P377 Leaking gas fire – do not extinguish unless leak can be stopped safely
- P381 Eliminate all ignition sources if safe to do so.
- P410+P403 Protect from sunlight. Store in a well-ventilated place.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	%by Weight	RISK PHRASES
			Classification (EC 1272/2008)
Propellant	68476-85-7	25-40	Flam. Gas 1, H220 Liq. Gas, H280

SECTION 4- FIRST AID MEASURE

4.1. Description of first aid measures

General information

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues

Inhalation

In case of inhalation of spray mist: Move person into fresh air and keep at rest. Provide rest, warmth and fresh air.
Get medical attention if any discomfort continues

Ingestion

Immediately rinse mouth and provide fresh air.

SECTION 4- FIRST AID MEASURE

Skin contact

Get medical attention if any discomfort continues.

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues

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

Inhalation

Dizziness.

Ingestion

Nausea, vomiting.

Skin contact

No specific symptoms noted.

Eye contact

May cause temporary eye irritation

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

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Use: Powder. Dry chemicals, sand, dolomite etc.

Unsuitable extinguishing media

DO NOT use water if avoidable

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

Aerosol cans may explode in a fire.

Specific hazards

In case of fire, toxic gases may be formed. Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters

Special Fire Fighting Procedures

Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours. Avoid breathing fire vapours. Move container from fire area if it can be done without risk. Be aware of danger for fire to restart. Dike and collect extinguishing water.

Protective equipment for fire-fighters

Face mask, protective gloves and safety helmet. Self contained breathing apparatus and full protective clothing must be worn in case of fire

SECTION 6- ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8. Do not smoke, use open fire or other sources of ignition.

6.2. Environmental precautions

Avoid discharge into water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.

Let evaporate. Keep out of confined spaces because of explosion risk. COLLECT

6.4. Reference to other sections

For personal protection, see section 8.

For waste disposal, see section 13.

SECTION 7- HANDLING AND STORAGE

7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. Eliminate all sources of ignition. Do not eat, drink or smoke when using the product. Protect against direct sunlight

7.2. Conditions for safe storage, including any incompatibilities

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Keep away from heat, sparks and open flame.

Protect against physical damage and/or friction. Do not store near heat sources or expose to high temperatures.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2

SECTION 8- EXPOSURE CONTROLS AND PERSONEL PROTECTION**Hand protection**

Use protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection

Use eye protection.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke

Skin protection

Protection suit must be worn

Engineering measures

Provide adequate general and local exhaust ventilation

Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Form/Physical state	Liquefied gas under pressure
Color	Colorless (both liquid and gas phase)
Odor	While normally odorless, scented with specific mercaptans to detect gas leak in supply plants.
pH (30 % aq. solution)	Not applicable
Boiling Point (°C) 760 mmHg	-13
Freezing Point, (°C)	-153
Vapor Pressure	2,50 bar @ 15°C 8,12 bar @ 50°C
Flash point ,°C	-74
Density @ 15°C	0,560 kg/l (Liquid) 1,86 kg/m ³ (Gas) 1,55 (By air)
Solubility in solvents	Soluble in organic solvents

SECTION 10- STABILITY AND REACTIVITY**10.1. Reactivity**

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use. Stable under the prescribed storage conditions

10.3. Possibility of hazardous reactions

Hazardous Polymerisation
Unknown.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials To Avoid
Strong acids. Strong oxides.

10.6. Hazardous decomposition products

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11- TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

ACUTE TOXICITY

Symptoms related to use : In case of inhalation of high concentration of vapour: nausea, headache , drowsiness , dizziness ,
loss of consciousness , asphyxia

Inhalation LC50 : > 20000 mg/m³

LOCAL EFFECT

Skin contact : Liquefied gas splashes may cause freeze burns

Eye contact : Liquefied gas splashes may cause freeze burns

SENSITIZATION : Following the available information, not regarded as a sensitiser

SPECIFIC EFFECTS

Genotoxicity : May cause heritable genetic damage.

Carcinogenicity : May cause cancer

Reproductive toxicity

Fertility : The product is not considered to be toxic to reproduction

Foetal development : No toxic effect on foetal development

SECTION 12- ECOLOGICAL INFORMATION

Information on ecological effects : Avoid losses to the environment whenever possible.

12.1. TOXICITY

AQUATIC TOXICITY : No information available

TERRESTRIAL TOXICITY : No information available

12.2. PERSISTENCE AND DEGRADABILITY

Main product's components are readily degradable in the environment

12.3. BIOACCUMULATIVE POTENTIAL

Potential bioaccumulation of the product in environment is low : log Kow < 3

12.4. MOBILITY

Water / Air : The product evaporates into the atmosphere.

Soil and Sediments : Because of its high volatility, the product is unlikely to cause ground or water pollution

Water : Because of its high volatility, the product is unlikely to cause ground or water pollution.

12.5. Results of PBT and vPvB assessment : Non required

SECTION 13-DISPOSAL CONSIDERATIONS**General information**

When handling waste, consideration should be made to the safety precautions applying to handling of the product

13.1. Waste treatment methods

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements. Environmental manager must be informed of all major spillages.

SECTION 14- TRANSPORT INFORMATION**14.1. UN number**

UN No. (ADR/RID/ADN)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950

14.2. UN proper shipping name

Proper Shipping Name AEROSOLS

14.3. Transport hazard class(es)

ADR/RID/ADN	Class 2.1
ADR/RID/ADN	Class Class 2: Gases.
ADR Label No.	2.1
IMDG Class	2.1
ICAO Class/Division	2.1

Transport Labels

**14.4. Packing group**

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user

EMS F-D, S-U
Tunnel Restriction Code (D)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No information required

SECTION 15 REGULATORY INFORMATION

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

Uk Regulatory References

Highly Flammable Liquid Regulations 1972.

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40.
Introduction to Local Exhaust Ventilation HS(G)37.
CHIP for everyone HSG(108).

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. System of specific information relating to Dangerous Preparations. 2001/58/EC.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out

SECTION 16- OTHER INFORMATION

Hazard Statements In Full

H220 Extremely flammable gas
H280 Contains gas under pressure; may explode if heated

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use