

KOZMO CHEMICAL INDUSTRY AND FOREIGN TRADE LTD.

MATERIAL SAFETY DATA SHEET

This form has been prepared according to 91/155/EEC

and 11/03/2002-24692 (fundamantation and method of MSDS preparation)

PRODUCT NAME:POLO LIGHTER GAS

PREPARATION DATE :21.03.2013

MSDS NO : PL-038

REVISION : 2

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SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME :POLO LIGHTER GAS

PRODUCT USE : FILLING LIGHTER GAS

COMPANY NAME - Kozmo Chemical Industry and Foreign Trade Ltd
Atatürk Sanayi Bölgesi Dr. Mithat Martı Cad.
352. Sk. No:2 Hadımköy/istanbul/TURKEY

EMERGENCY NUMBER :+90 212 771 22 11

SECTION 2- HAZARD IDENTIFICATION

PHYSIO-CHEMICAL HAZARDS : F+ Extremely Flammable

HEALTH HAZARDS :None Identified

ENVIROMENTAL HAZARDS :None Identified

SECTION 3- COMPOSITION INFORMATION ON IGREDIENTS

Ingredients	CAS #	REACH	%by Weight	SYMBOLS	RISK PHRASES	SAFETY PHRASES
Propellant	68512-91-4	no need	100,00	F+	R12	S2-9-16

SECTION 4- FIRST AID MEASURE

INHALATION	inhalation of high concentrations may cause dizziness,incoordination or narcotic effects. advise.
SKIN CONTACT	none anticipated as product is a gas at room temperature.
EYE CONTACT	none anticipated as product is a gas at room temperature.

SECTION 5- FIRE FIGHTING MEASURES

FLASH POINT	:Closed cup: <-104°C (156°F)(for propellant)
EXTINGUISHING AGENT	:CO2, foam, dry chemical.For safety do not use a direct water jet on burning material.
COMBUSTION PRODUCT	:CO may be possible
PROTECTIVE EQUIPMENT	:Wear protective clothing/equipment when fighting fires
SPECIAL REMARKS	:Aerosol product:containers may rocket or explode in heat of fire

SECTION 6- ACCIDENTAL RELEASE MEASURES

CLEAN UP METHODS	:Remove all sources of ignition.provide proper ventilation. If liquid absorb the material on a porous, inert material such as earth, sand or vermiculite If solid/powder- carefully sweep up the material without causing dust. Dispose of in accordance with local regulations.
PERSONAL PRECAUTIONS	:Use individual protective equipment
ENVIRONMENTAL PROTECTION	No special protection required.

SECTION 7- HANDLING AND STORAGE

HANDLING	:Ensure good ventilation /exhausting at the work place
STORAGE	:Store in cool location observe official regulations on storing packagings with pressured containers.
FIRE PROTECTION	:CONTENTS UNDER PRESSURE.Do not smoke. Do not puncture or incinerate.Keep away from sunlight and temperatures above 50°C. Do not open by fire or throw into fire even after use.Do not spray on flames or red-hot objects.

SECTION 8- EXPOSURE CONTROLS AND PERSONEL PROTECTION

EXPOSURE CONTROLS :For further data see item 7

PERSONAL PROTECTION RESPIRATORY:Not required, but ensure adequate ventilation when using
VENTILATION: No special requirements
HANDS: no special requirements under normal use conditions
EYES: no special requirements under normal use conditions

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE :aerosol
APPEREANCE :colorless gas
ODOR :odorless gas
COLOUR :colorless
SOLUBILITY IN WATER :complete
MELTING POINT :Not applicable
BOILING POINT :-42.1°C

SECTION 10- STABILITY AND REACTIVITY

STABILITY Stable under normal conditions

REACTIVITY Avoid contact with strong acids and oxidising agents

DECOMPOSITION In case of fire CO and CO2 may be possible

SECTION 11- TOXICOLOGICAL INFORMATION

See section 3 and 15

SECTION 12- ECOLOGICAL INFORMATION

Not available

SECTION 13-DISPOSAL CONSIDERATIONS

No special methods are necessary, but disposal should be according to the requirements of local regulations.

SECTION 14- TRANSPORT INFORMATION

LAND TRANSPORT ADR/RID

ADR/RID Class :2.1
UN number :1950
Correct Technical Name :Aerosol

REMARK: :UN 1950 is required according to ADR-regulations
:AEROSOLS is required according to IMDG-regulations

MARITIME TRANSPORT IMDG/GGV SEA

IMDG/GGV Sea Class :2.1
UN Number :1950
Marine Pollutant :No
Correct Technical Name :Aerosol

AIR TRANSPORT ICAO-TI AND IATA-DGR

ICAO/IATA Class :2.1
UN number :1950
Correct Technical Name :Aerosol

SECTION 15 REGULATORY INFORMATION

LABELLING



SPECIAL DESIGNATION OF CERTAIN PREPERATIONS

:Pressured container. Protect from sunlight and not expose to temperatures exceeding 50 C. Do not pierce or burn even after use.
Do not spray on a naked flame or any incandescent material

RISK PHRASES

R12 : Extremely flammable

SAFETY PHRASES

S2 : Keep out or reach of children
S9 : Keep the can in well ventilated area
S16 : Keep away from sources of ignition- No smoking

SECTION 16- OTHER INFORMATION

R PHRASES USED IN THIS DOCUMENT

R12 :Extremely flammable

S PHRASES USED IN THIS DOCUMENT

S2 :Keep out or the reach of children

S9 :keep container in well ventilated areas

S16 :Keep away from sources of ignition

Notice to Reader

The information provided in this MSDS is correct to the best of our knowledge, information and belief at the date of its publication and is in our opinion consistent with the state of general scientific and technical knowledge at that date, but we can not accept liability for loss,injury or damage which may result froam its use. It does not constitute a warranty, express or implied, as to the accuracy of the information contained within. Actual conditions of use and handling are beyond sellers's control. Use is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.