

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

MIX LPG (LIQUEFIED PETROLEUM GAS)

Version: 1.0
Form No: 582010Preparation Date : 2/25/2016
Revision Date: 2/25/2016

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name	MIX LPG (LIQUEFIED PETROLEUM GAS)
SDS No	582010
CAS No	68476-85-7
EC No	270-704-2
Definition	Mixture LPG of hydrocarbons consisting predominantly of n-butane and iso-butane(C ₄ H ₁₀), Propane C ₃ H ₈ (%30) and other hydrocarbons such as propylene, butylene etc. May contain odorizer ethyl mercaptan up to 50 ppm. It also contains 1,3-butadiene less than 0,1 % w/w.

1.2 Relevant Identified Uses Of The Product And Uses Advised Against

Relevant Identified Uses	Used as fuel. For sale in cylinder and in bulk. LPG can be used in private industries, heating processes, plants need energy and cold regions
Uses Advised Against	See chapter 16 for a general overview

1.3 Details Of The Supplier Of The Safety Data Sheet

Supplier (Manufacturer)	YILDIRIM PETROL TİCARET VE NAKLİYAT A.Ş. exen@exengaz.com.tr
Address – Factory	19 Mayıs Cd. Nova Baran Plaza No: 4 Kat: 17 34360 Şişli - İstanbul
Telephone	0212 233 12 50
Fax	0212 233 12 97

1.4 Information Providing Authority About Safety Data Sheet

Ali Aslan ÇAĞLI (acagli@ipragaz.com.tr)

1.5 Emergency Telephone Number

Company Emergency	0212 233 12 50
Call Center	444 3936, 444 EXEN, TR/EN
Emergency Information	+90 216 337 83 83 (Msdsmarket) bilgi@msdsmarket.com

2. HAZARDS IDENTIFICATION

2.1 Classification Of The Product

2.1.1 Classification According to Regulation (EC) No 1272/2008

- Flam. Gas 1, H220
- Liq. Gas, H280

2.2 Label elements

2.2.1. Labeling According to Regulation (EC) No 1272/2008 [CLP¹/GHS²]

Product Identifier

Hazard Component for Labeling

- Petroleum gases, liquefied

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Hazard Pictograms



Signal Word

· DANGER

Hazard Statements

H220 Extremely flammable gas

H280 Contains gas under pressure; may explode if heated

Precautionary Statements

General

P102 Keep out of reach of children.

Prevention

P201 Obtain special instructions before use.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243 Take precautionary measures against static discharge.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

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.

Storage

P410+P403 Protect from sunlight. Store in a well-ventilated place.

Disposal

-

Supplemental Hazard Information (EU) Statements

No data available.

2.2.2. Special Rules For Supplemental Label Elements For Certain Mixtures

None.

2.2.3. Additional Labeling

· Not Applicable

2.3 Hazard Identification

2.3.1. Skin Contact

Skin contact with liquid gas may give rise to frost-bite or cold burns and containers may present a similar hazard when gas is being withdrawn, due to the cooling effect. Liquid may form skin burns.

2.3.2. Eye Contact

Contact with liquid or cold vapor can cause freezing of tissues. Liquid may cause eye burns.

2.3.3. Ingestion

Liquefied gases may be harmful to health upon ingestion.

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2.3.4. Inhalation

Short exposure to very high concentrations of hydrocarbon gases does not cause asphyxia. It should be noted that before suffocation occurs, the lower flammability limit of LPG in air is exceeded; possibly causing both an oxygen-deficient and explosive atmosphere. Exposure to concentrations higher than 10% may cause dizziness. Exposure to atmospheres containing 8-10% or less oxygen may cause unconsciousness without any symptoms so quickly that the individuals cannot help each other or protect themselves. Lack of sufficient oxygen may cause serious injuries or death.

2.3.5. Long term effects

Precautions should be taken to minimize exposure.
Prolonged exposure to vapor concentrations above the recommended occupational exposure standard may cause headache, dizziness, nausea, irritation of the eyes, upper respiratory tract, mouth and digestive tract, cardiac irregularities, asphyxiation, unconsciousness and even death.

2.3.6. Adverse Environmental Effects

No data available

2.4. Additional Information

· None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Description Of The Substance

- Mixture LPG of hydrocarbons consisting predominantly of n-butane [CAS#106-97-8] and iso-butane(C_4H_{10}) [CAS#75-28-5] , Propane C_3H_8 (%30) [CAS# 74-98-6] and other hydrocarbons such as propylene[CAS#115-07-1], butylene[CAS#106-98-9] etc. May contain odorizer Ethyl Mercaptan[CAS#75-08-1] up to 50 ppm. It also contains 1,3-butadiene[CAS#106-99-0] less than 0,1 % w/w.

NAME	EINECS NO	CAS NO.	CONTENT (%)	CLASSIFICATION
				CLP
Petroleum gases, liquefied	270-704-2	68476-85-7	<100	Flam. Gas 1, H220 Liq. Gas, H280

3.2 Additional information

- None

4. FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1 General information

- When in doubt or if symptoms are observed, get medical advice.

4.1.2 Following inhalation

Remove to fresh air.
Keep warm and at rest.
If the casualty is stuporous, some physical restraint may be necessary to prevent injury.
If breathing but unconscious, place in the recovery position.
If breathing has stopped, apply artificial respiration.
If heartbeat absent give external cardiac compression.

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Monitor breathing and pulse. **OBTAIN MEDICAL ATTENTION IMMEDIATELY.**



4.1.3 Following skin contact

Drench affected parts with water.
Remove contaminated clothing, rings, watches, etc. if possible - **DO NOT** attempt to do so if they are adhering to the skin.
Do not attempt to reheat the affected parts rapidly -reheat slowly.
Cover with a sterilized dressing.
Do not apply ointments or powders.
Note that contaminated clothing may cause a fire hazard.
Contaminated clothing should be soaked with water before being removed.
It must be laundered before reuse.



4.1.4 Following eye contact

Flush eye with copious quantities of water.
Cover eye with a sterilized dressing.
Obtain medical attention immediately.



4.1.5 Following ingestion

In the unlikely event of ingestion, obtain medical attention immediately.



4.1.6 Self-protection of the first aider

First aid assistant: Pay attention to self-protection!

4.1.7 Notes for the doctor

- Symptoms: Headache, dizziness, drowsiness, loss of consciousness (fainting), and respiratory obstruction (suffocation) state
- Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 General Information and Flammable Properties

- Extremely flammable, high hazard. Liquid can release considerable vapor at temperatures below ambient which readily form flammable mixtures.
- Use firefighting procedures suitable for surrounding area.
- If safe to do so, remove containers from path of fire.

5.2 Extinguishing media:

- Shut off supply.
- If not possible and no risk to surroundings, let the fire burn itself out under controlled conditions.
- Dry chemical powder Extinguisher can be used for small fires.
- Water fog should be used to assist the approach to the source of the fire.
- All containers subject to fire or to radiant heat should be cooled by spraying with water.
- Water fog or spray, to cool fire-exposed (e.g. containers) and to protect personnel, should only be used by personnel trained in fire-fighting.

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5.3 Unsuitable extinguishing media

- None

5.4 Special hazards arising from the product

- Combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates and gases, including carbon monoxide and unidentified organic and inorganic compounds.
- The vapor is heavier than air, spreads along the ground and distant ignition is possible.
- Sustained fire attack on vessels may cause a Boiling Liquid Expanding Vapor Explosion (BLEVE).
- Contents are under pressure and can explode when exposed to heat or flames.
- Vapors settle at ground level and may reach, via drains and other underground passages, ignition sources remote from the point of escape.
- Static discharge; material can accumulate static charges which may cause an incendiary electrical discharge.
- Smoke, and carbon monoxide may be formed in the event of incomplete combustion.

5.5 Advice for fire-fighters

- Proper protective equipment including breathing apparatus for fire-fighting personnel exposed to fumes or smoke must be worn when approaching a fire in a confined space.

5.6 Additional information

- Intervention Actions-General
- Keep upwind. Put on protective equipment before entering danger area.
- Intervention Actions-Fire (involving the substance)
- Do not approach near to hot container(s).
- Keep container(s) cool with water spray.
- Avoid unnecessary run-off of extinguishing media which may cause pollution.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

- Refer to protective measures listed in section 7 and 8.
- Avoid contact with skin, eyes, and clothing.
- Take off immediately all contaminated clothing.
- Note that contaminated clothing may be a fire hazard.
- Contaminated clothing should be soaked with water before being removed.
- It must be laundered before reuse.
- Test atmosphere for vapors to ensure safe working conditions before other personnel are allowed into the area (Gas detectors can be used).
- Local authorities should be advised if significant spillages cannot be contained.
- Observe all relevant local and international regulations.

6.2 Environmental precautions

- Prevent the material from entering drains or water courses.
- Spillages or uncontrolled discharges into watercourses must be alerted to the Environmental Agency or other appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

6.3.1 For containment



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- Control personal contact by using protective equipment as required
- Take up contaminated material and pass on for further processing.
- Contain for disposal according to local / national regulations.

6.3.2 For cleaning up

- Control personal contact by using protective equipment.
- Small Spillages: Allow to evaporate.
- Large Spillages: Attempt to disperse the vapor or to direct its flow to a safe location, for example by using fog sprays.
- Collect wastes in sealed containers for disposal.

6.3.3 Other information

- Dispose of waste material according to local, state and federal regulations.

6.4 Reference to other sections

- Dispose of contaminated material as waste in accordance with section 13.
- See Section 13.

7. HANDLING AND STORAGE

7.1.1 Precautions for safe handling

7.1.2 Protective measures

Personal preventions

- Wear personal protection equipment. Refer to chapter 8. Do not eat, drink, smoke or sneeze at the workplace.
- Dangerous areas must be delimited and marked with appropriate warning and safety signs.
- In the immediate working surroundings there must be: Emergency spray installed provide eye wash and label its location conspicuously.
- Use in a well-ventilated area.
- Provide sufficient washing facilities.
- Fill only into labeled container.
- Instruction on the hazards and the protective measures using instruction manual are required with signature.
- Always wash hands with soap and water after handling.
- Working areas must be arranged in such a manner that they can be cleaned at all times.
- This product is intended for use in closed systems only.
- Do not use in confined areas.
- When using do not eat, drink or smoke.
- Do not breathe spray, fumes or mists.
- Take precautionary measures against static discharges.
- Instruct personnel "handling LPG about potential hazards and precautions, and train them in safe handling and emergency procedures"

Fire preventions

- See section 5.

Environmental precautions:

- Dispose of waste material according to local, state and federal regulations.

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7.1.3 Advice on general occupational hygiene

- Use good occupational work practice.
- Comply with the health and safety at work laws.
- Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

- Store only in purpose designed pressure vessels or cylinders.
- Store outdoors or in adequately ventilated storerooms.
- Locate tanks away from heat and other sources of ignition.
- Do not store in the vicinity of cylinders containing compressed oxygen.
- All storage areas should be provided with adequate fire-fighting facilities.
- Store in original containers.
- Avoid contact with incompatible materials
- Avoid physical damage to containers.
- **Tank Storage Temperature:** LPG is stored under pressure at ambient temperatures. The design of pressure vessels (-40°C Minimum 50°C Maximum) safety devices and the operating procedures must comply with national legislation and with recognized codes of good practice. Small containers for example cylinders of approved design, properly sealed and in good condition, should be stored outdoors or in well ventilated storerooms, at no lower than ground level, and must be quickly removable in an emergency. Eliminate all sources of ignition from the storage area
- **Load/Unload Temperature:** Ambient
- **Product Transfer:** Electrostatic charges may be generated during pumping. Ensure electrical continuity by bonding all equipment. Avoid contact with equipment in view of the risk of cold burns. Do not use compressed air for filling, discharging or handling. Take precautionary measures against static discharge. Keep all connections for filling and emptying securely closed when not in use. Ensure that only containers / equipment of suitable pressure rating are used. Ensure that the permissible filling ratio for the product is not exceeded.
- **Tank Cleaning:** Cleaning, inspection and maintenance of storage tanks is a specialist operation that requires the implementation of strict procedures and precautions. These include issuing of work permits, gas-freeing of tanks, using a manned harness, lifelines, and wearing air-supplied breathing apparatus. Prior to entry and whilst cleaning is underway, the atmosphere within the tank must be monitored using an oxygen meter and explosimeter.
- **Recommended Materials:** For containers or container linings, use mild steel or stainless steel.

STORAGE INCOMPATIBILITY

- Keep/Store only in original container.
- Protect against: Strong oxidizing agents

7.1 Advice on common storage

- See also instructions on the label.
- Store in a cool, dry, well-ventilated area.
- Keep away from food, drink and animal feeding stuffs.
- Store away from incompatible materials and foodstuff containers.
- Protect containers against physical damage.

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7.2 Specific precautions on storage

- Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Preventive industrial and medical examinations must be carried out according to the application area. Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard.

Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.

8.1.1 Occupational exposure limits

No data available.

8.2 Exposure controls

- Adequate ventilation should be used during processing.

8.2.1 Appropriate engineering controls:

- Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.
- Ensure that eyewash stations and safety showers are proximal to the work-station location.
- Keep away from food, drink and animal feeding stuffs.
- Use personal protective equipment according to EN³ standards.
- The level of personal protection and the types of controls necessary will vary depending on exposure conditions.
- Select controls based on a risk assessment of local circumstances.
- Use sealed systems as far as possible.
- See Section 7

8.2.2 Personal protection equipment

8.2.2.1 Eye / Face protection:

- Use monogoggles or full face shield against gas leakage.



8.2.2.2 Skin protection

Hand protection

- Use neoprene or nitrile rubber gloves. Gloves must maintain flexibility down to the atmospheric boiling point of this product.
- Impervious gloves should be used at LPG delivery, leather gloves should be used when handling the tube.



Body protection

- Use chemical resistant safety shoes or boots, overalls made of cotton or other natural fibres.



Other protection

- Handle in accordance with good industrial hygiene and safety practice.

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8.2.2.3 Respiratory protection

- If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protective equipment suitable for the specific conditions of use and meeting relevant legislation.
- Where air-filtering respirators are unsuitable (e.g. where airborne concentrations are high, there is a confined space or a risk of oxygen deficiency) use appropriate positive pressure breathing apparatus.
- Where air-filtering respirators are suitable, select an appropriate combination of mask and filter, select a filter suitable for organic gases and vapours (boiling point >65 °C).



8.2.3 Environmental exposure controls

- Minimize release to the environment.
- Legislation for the protection of the environment must be met in full.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance

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.
	Value
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/lit (Liquid) 1,86 kg/m ³ (Gas) 1,55 (By air)
Autoignition point (°C)	Not applicable
Solubility in water	Negligible
Solubility in solvents	Soluble in organic solvents
Lower/Upper Explosion Limits, %(V/V) (LEL)/(UEL)	1,9-9
Auto-Ignition Temperature, °C	400
Oxidizing property	It is not oxidizing
Vapour Rate	1 liter of liquid LPG produces 248 liters of vapor at atmospheric pressure.
Other	Critical Pressure: 39 bar Critical Temperature: 135°C

Note: The above features were determined according to prescribed methods at the Classification, Packaging and Labeling of Hazardous. Substances Regulation Section A-3 or a method comparable to the other.

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10. STABILITY AND REACTIVITY

10.1 Reactivity

10.2 Chemical stability

- Stable under recommended storage and handling conditions. (See section 7.)

10.3 Possibility of hazardous reactions

- There is no known hazardous reaction.

10.4 Conditions to avoid:

- Heat, open flames, sparks and flammable atmospheres, static charges
- Keep away from heat sources, open flames and other sources of ignition.
- Ground all process equipment.

10.5 Incompatible materials:

- Strong oxidizing agents.
- Avoid contact with strong oxidants, air, halogens (fluorine, chlorine, bromine, iodine) and HNO₃,

10.6 Hazardous decomposition products:

- Combustion products are; CO, CO₂, hazardous vapors and gases

10.7 Hazardous polymerization:

- Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

11.1 General Information

- Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
- High gas concentrations will displace available air; unconsciousness and death may occur suddenly from lack of oxygen. Rapid release of gases which are liquids under pressure, may cause frost burns of exposed tissues (skin, eye) due to evaporative cooling.

11.2 Acute toxicity

LC50(Inhalation) >5mg/l/4h (rat)

11.3 Skin corrosion/irritation and Eye damage/irritation:

- Not irritating. Liquid causes cold burns.

11.4 CMR effects (Carcinogenity) :

- 1,3-butadiene content of the butane propellant less than 0.1 %m/m. Other components are not known to be associated with carcinogenic effects.

11.5 CMR effects (Mutagenicity and Toxicity for reproduction) :

Not considered to cause mutagenic hazards.
Not considered to be toxic to reproduction.

11.6 Other Toxicological Effects:

Allergic Effects	No data available.
Effects on Repeated Doses Chronic Exposures	Exposure to skin may cause irritation, dermatitis and skin burns. Precautions should be taken to minimize exposure.
Sensitization	Not expected to be a skin sensitizer.

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Developmental Toxicity (Teratogenicity)	No data available
Fertility	No data available

11.7 STOT-single/repeated exposures:

STOT-single exposure	No data available
STOT-repeated exposure	No data available

11.8 Symptoms related to the physical, chemical and toxicological characteristics:

In case of inhalation	<p>If there is a strong concentration of exposure to the product, mild effect on the central nervous system (headache, dizziness, drowsiness, etc.) or severe narcotic effects (loss of consciousness due to decrease the concentration of oxygen in the atmosphere) can be observed. Exposure to 10% concentration of the product in the environment, by inhalation for 2 minutes, it may cause dizziness (anesthetic effect).</p> <p>Short exposure to very high concentrations of hydrocarbon gases does not cause asphyxia. It should be noted that before suffocation occurs, the lower flammability limit of LPG in air is exceeded; possibly causing both an oxygen-deficient and explosive atmosphere. Exposure to atmospheres containing 8-10% or less oxygen may cause unconsciousness without any symptoms so quickly that the individuals cannot help each other or protect themselves. Lack of sufficient oxygen may cause serious injuries or death.</p>
In case of skin contact	<p>Skin contact with liquid gas may give rise to frost-bite or cold burns and containers may present a similar hazard when gas is being withdrawn, due to the cooling effect.</p> <p>Liquid may form skin burns.</p>
In case of eye contact	<p>Contact with liquid or cold vapor can cause freezing of tissues.</p> <p>Liquid may cause eye burns.</p>
In case of ingestion	<p>Liquid form can not be swallowed.</p> <p>Liquefied gases may be harmful to health upon ingestion.</p>

11.9 Additional Toxicological Information:

- Toxicological classifications are based on available knowledge and information
- The special effects to health are considered by taking into account the information in section 3.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

- No data available

12.2 Photo degradation

- No data available.

12.3 Effects on Waste Water Treatment Plants

- Not determined.

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12.4 Mobility

Liquefied gas
Solubility in water: Negligible
Evaporates extremely rapidly from water or soil surfaces. Disperses rapidly in air.
Refer to ecotoxicity.

Water threat class No data available

Clean Water Impact No data available

Known or predicted environmental distribution No data available

12.5 Results of PBT and vPvB assessment

Biotic

Ready biodegradability: No data available

Abiotic:

Hydrolysis as a function of pH: No data available

Photolysis: No data available

Atmospheric oxidation: No data available

· Persistence and degradability:

Decomposition Potential of the products Inherently biodegradable.

The half-life of degradation No data available

Potential degradation of product content in the evaluation of wastewater treatment plants No data available

· Bioaccumulation Potential :

Biological environment (biota) accumulation potential Does not bioaccumulate.

Potential - nutrients pass through No data available

Reference Values - Log Kow , Sw and BCF No data available

12.6 Additional information

- Aquatic toxicity: Product is expected to be practically non-toxic to aquatic organisms.
- In view of the high rate of loss from solution, the product is unlikely to pose a significant hazard to aquatic life.
- See the sections 6, 7, 13, 14 and 15.

13. DISPOSAL CONSIDERATIONS

13.1 Product / Packaging disposal

- Note that properties of a material may change in use, and recycling or reuse may not always be appropriate
- When recycling of the product is not possible, disposal to landfill or incineration in accordance with all applicable government laws and regulations is recommended.
- Contact waste disposal services
- This product contains hazardous ingredients listed in Section 2.
- Collect and dispose of it at an authorized disposal facility, in conformance with national and local regulations, and accordance with EEC Directives on hazardous waste.
- Do not pollute soil, water or environment with the waste product.

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- In LPG tanks, always flammable products present, so LPG containers must be transported authorized distribution companies.
- Refusal cylinder should be returned back to seller.
- Welding on the container must be done only by authorized personnel

13.2 Contaminated packaging





- If there is product residue in the emptied container, follow directions for handling on the container's label.

13.3 Disposal Methods

- Dispose of chemicals waste or in accordance with local regulations.
- Follow all applicable local laws, rules and regulations regarding the proper disposal of this material.
- If this product has been altered or contaminated with other hazardous materials, appropriate waste analysis may be necessary to determine proper method for disposal.
- Collect the waste separately. Waste disposal according to EC-regulations 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.
- Dispose of waste according to applicable local, state, and federal regulations.

14. TRANSPORT INFORMATION

UN 1965 HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.(LPG mixture), 2.1, (B/D)

	ADR ⁴ /RID ⁵	ADNR	IMDG ⁶	ICAO ⁷ /IATA ⁸
TRANSPORTATION	Road	River	Marine	Airways
PROPER SHIPPING NAME	UN 1965 HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.(LPG mixture), 2.1, (B/D)			
UN/ID No.	1965	1965	1965	1965
SYMBOL				
CLASS	2	2	2	2
PACKAGING GROUP	-	-	-	-
LABELLING NO	2.1	2.1	2.1	2.1
CLASSIFICATION CODE	2F			
HAZARD NO (HIN NO)	23			
EmS			F-D;S-U	
MARINE Pollutant			-	
Tunnel restrictions: Passage forbidden through tunnels of category B/D				
Road Transport Notes: This product is regulated as an hazardous material.				

15. REGULATORY INFORMATION

15.1 Safety, Health And Environmental Regulations / Legislation Specific For The Substance

- None of the ingredients is found on the regulatory lists.

15.2 Chemical Safety Assessment

- No data available

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15.2.1 HAZARD

CLP classification according to Annex VI of CLP (Regulation (EC) No 1272/2008)

- Flam. Gas 1, H220
- Liq. Gas, H280

15.3 INTERNATIONAL REGULATIONS

· This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006 and ISO 11014:2009. This product is classified according to EU Directive GHS/CLP.

16. OTHER INFORMATION

16.1 Other information

- For additional information regarding **YILDIRIM PETROL TİCARET VE NAKLİYAT A.Ş.** products please contact Ali Aslan ÇAĞLI (acagli@ipragaz.com.tr)
- The above information complies with the 1907/2006 Directive and its amendments. In all cases of potential poisoning supportive therapy is of the utmost importance.

16.2 Related Person

- Doruk Chemical Management Systems, Engineering, Technology & Consultancy Inc. Co.
- Prepared by: Chemical Engineer Rabia Nur KANPARA (rabianur.kanpara@doruksistem.com.tr)
- Specialist Accreditation No: TÜRKAK/NBC GBF-01.65.16 / 04.12.2015
- www.MsdsMarket.com ; info@doruksistem.com.tr ; 02163378383

16.3 Revision Date, Version and SDS no

- Date : February 25, 2016
- Version : 1.0
- MSDS No : 582010

16.4 Reason of re-issue

- Compiling according to Regulation (EC) No 1272/2008

16.5 Relevant H- and EUH-phrases (number and full text):

H220 Extremely flammable gas

H280 Contains gas under pressure; may explode if heated

16.6 Legal disclaimer

- The purpose of the above information is to describe the products only in terms of health and safety requirements.
- The information given should not, therefore, be construed as guaranteeing specific properties or as specification
- Customers should satisfy themselves as to the suitability and completeness of such information for their own particular use.
- The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.
- The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.
- The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or



Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

MIX LPG (LIQUEFIED PETROLEUM GAS)

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Revision Date: 2/25/2016

quality specification. Due to the many factors outside our control when using this product, we cannot accept liability for any injury, accident, loss or damage caused through its use.

¹ CLP:Classification Labelling and Packaging

² GHS:Global Harmonised System

³ EN Standards: Personal Protective Equipment Standards Determined by CEN (European Committee for Standardization)

⁴ ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

⁵ RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

⁶ IMDG: International Maritime Code for Dangerous Goods

⁷ ICAO: International Civil Aviation Organization

⁸ IATA: International Air Transport Association