

According to the Regulation No. 1907/2006

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| Product | | LIQUEFIED PETROLEUN | M GAS | Date: | 2021/12/01 | | |
|-------------------------------|----------------------------------|---|--|---------------|------------|--|--|
| | | PURIFIED ISOBUTAI | NE | Edition: | 10 | | |
| SECTION 1. I | DENTIFICATION OI | THE SUBSTANCE / MIXTU | RE AND OF THE | COMPANY / UNI | DERTAKING | | |
| 1.1. Product | identifier | | | | | | |
| - Trade name | e: | LIQUEFIED PETROLEU | M GAS PURIFIED |) ISOBUTANE | | | |
| - Chemical n | ame: | isobutane, i-butane | | | | | |
| - Index no.: | | 601-004-00-0 | | | | | |
| - EC no.: | | 200-857-2 | | | | | |
| - CAS no.: | | 75-28-5 | | | | | |
| - Registratio | n no.: | 01-2119485395-27-0 | 018 | | | | |
| - UFI: | | Not applicable. | | | | | |
| - Form: | | - | | | | | |
| - Product co | de: | 1000570, 1000886 | | | | | |
| 1.2. Relevan | t identified uses of | the substance or mixture | and uses advised | d against | | | |
| - Relevant id | entified uses: | | Industrial: Formulation & (Re)Packing of substances, use in polymer production, use as a fuel | | | | |
| | | Professional: Use as a fuel, use as propellant | | | | | |
| | | Consumer: Use as a fu | Consumer: Use as a fuel | | | | |
| - Uses advise | ed against: | The uses that are in the list above are relevant. | | | | | |
| | | | Other uses are not recommended unless an assessment that proves that the related risks are controlled has been conducted before starting that use. | | | | |
| 1.3. Details o | of the supplier of tl | ne safety data sheet | | | | | |
| - Manufactu | | , INA-Industrija nafte, o | d.d. | | | | |
| Address: | Av. V. Holjevca | 10 | | | | | |
| | pp 555, 10002 Z | Zagreb, HRVATSKA | | | | | |
| Phone: | 00-385-1-6450- | 842 / 00-385-1-6451-075 | (24 h) | | | | |
| Fax: | 00-385-1-6452- | 050 | | | | | |
| Sustainable I Environment | - | Health, Safety and | Phone: 00-385 | -1-6450-803 | | | |
| - email addr the safety da | | nt person responsible for | <u>sds@ina.hr</u> | | | | |
| 1.4. Emergei | ncy Telephone Nur | nber | | | | | |
| - Emergency | Service Telephone | e Number: | 112 | | | | |
| Ministry of the Interior | | | 00-385-1-6192-929 | | | | |
| Directorate f | Directorate for civil protection | | 00-385-1-4551-792 | | | | |
| - | entre for civil prote | ction | 00-385-1-4814 | -911 | | | |
| | @civilna-zastita.hr | | | | | | |
| - Medical Inf | ormation Telepho | ne Number: | 00-385-1-23-4 | 8-342 | | | |

SECTION 2. HAZARDS IDENTIFICATION



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| 2.1. Classification of the subs | tance or n | nixture | | |
| | | ation (EC) No 1272/2008 (CLP): | | |
| Flam. Gas 1; H220 | B to negun | | | |
| Press. Gas; H280 | | | | |
| Full text of H-phrases: see se | ction 16 | | | |
| 2.2. Label elements | | | | |
| 2.2.1. Labelling according to | Regulation |) (FC) No 1272/2008 (CLP) | | |
| Hazard pictograms: | Regulation | | | |
| | | | | |
| yte | | | | |
| | | | | |
| GHS02 GHS04 | | | | |
| Signal word: Danger | | | | |
| Hazard statements (H): | H220 | Extremely flammable gas. | | |
| nazara statements (mj. | H280 | Contains gas under pressure; n | nav explode if he | ated |
| Precautionary statements | P210 | Keep away from heat/sparks/ | | |
| (P): | 1210 | smoking. | open names/no | |
| | P377 | Leaking gas fire: Do not exting | guish, unless leal | k can be stopped |
| | | safely. | | |
| | P381 | In case of leakage, eliminate al | l ignition sources | |
| | P403 | Store in a well-ventilated place | | |
| 2.3. Other hazards | | | | |
| May form explosive mixture | with air. | | | |
| | | | | |
| SECTION 3. COMPOSITION / | INFORMA | TION ON INGREDIENTS | | |
| Substance: X | | Mixture | . | |

| -Substance: | Х | | | | Mixture | : | | |
|---|---|--------------------------|-----------|-----------------------------|---------|---------------------------------|---------------------------------|--|
| - Components contributing to product hazardousness: | | | | | | | | |
| Substance name | | Substance identification | | [%] | Classif | ication according to Regulation | | |
| Substance name | | CAS no. | EC no. | Registration no. (REACH) | [/0] | | (EC) No 1272/2008 (CLP) | |
| isobutane | | 75-28-5 | 200-857-2 | 01-2119485395-27- 0018 | >97 | | Flam. Gas 1, H220 Press. Gas | |
| n-butane | | 106-97-8 | 203-448-7 | 01-2119474691-32- 0026 | <2 | | Flam. Gas 1, H220 Press. Gas | |
| propane | | 74-98-6 | 200-827-9 | 01-2119486944-21- 0037 | <1 | | Flam. Gas 1, H220 Press. Gas | |



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SECTION 4. FIRST AID MEASURES 4.1 Description of first aid measures - general information: Before administering first aid to the affected persons, isolate the accident area from sources of ignition, including the disconnection from the power supply. Before entering the enclosed space, check the atmosphere and provide ventilation. Use appropriate personal protective equipment (see Section 8). - after inhalation: Remove the affected person from the contaminated area to fresh air and place in a position that facilitates breathing. In case of dizziness, nausea, headache, and permanent complaints immediately seek medical attention. In case of fainting transport in lateral position to hospital, paying attention to the free passing of the air thorough the respiratory tract. In case of difficulty in breathing or respiratory arrest, open airways, initiate resuscitation (heart massage and artificial respiration) and immediately seek medical attention. - after skin contact: Frostbite may occur. Do not remove clothing from the **frostbite** area, do not rub, massage, or press on the damaged skin area. Rinse the affected area with lot of water for at least 15 minutes - and if possible, heat the affected tissue with a water bath at 37 - 42 ° C. Seek medical attention immediately. - after eye contact: Frostbite may occur. Remove contact lenses (if used by affected person) and wash with water for at least 15 minutes. Immediately seek help from a physician. - after ingestion: Not considered as possible exposure route. In case of contact with product, frostbite is possible on lips and in mouth. - personal protective Rescuers must wear breathing apparatus, lifebelt and rope, and follow rescue equipment for first aid instructions. responder:

4.2 Most important symptoms and effects, both acute and delayed

- after inhalation: Headache, dizziness, dullness. Higher concentration or longer exposure can cause fainting and suffocation. - after skin contact: Compressed gas causes frostbites. - after eye contact: Compressed gas causes frostbites.
- Not considered as possible exposure route, may cause frostbite. - after ingestion:

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. In case of contact with the product in liquid form, treat frostbite. Only gualified medical personnel should administer oxygen.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

| - SUITABLE: | Large fires: Water spray, water mist or air foam (for plashes of LPG). Small fires: Dry powder or CO ₂ or air foam (for plashes of LPG). Convenient: sand or earth. |
|---------------|--|
| - UNSUITABLE: | Water jet, simultaneous use of water and foam because water destroys foam. |



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| 5.2 Special hazards arising from t | he substance or mixture: | | | |
| - Hazardous combustion products | pro Hig are | duce smoke co nly flammable heavier than a | • | 2. Ibstance. Vapour ad away from th |
| 5.3 Advice for firefighters: | | | | |
| - Firefighting measures for specia | Stoj mai coo spra Exti | nner, if not, le l the containe ny due to the ri nguish the fire | kage if it can b ave the product ers and surroun isk of explosion. | e done in a saf to burn out an dings with wate num safe distanc e area. |
| - Special firefighting methods: | surf | aces exposed sons. Only pers | to heat and f | ay for cooling th for protection c refighting may us |
| - Special protective equipment fo | bre clot | e | us (HRN EN 137) efighters (interv | compressed a . Wear protectiv vention suit) i |

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

| 6.1.1. For non-emergency personnel | |
|------------------------------------|--|
| - Protective equipment: | Use personal protective equipment listed in section 8 and remove unprotected persons from the affected area immediately. |
| - Accident prevention procedures: | Place a sign on visible location that entrance or work with open flame or sparking tools is forbidden. Measure oxygen concentration in the air. detector for flammable gases may be used to check presence of flammable gases or vapours. Vapours are heavier than air and may reduce the oxygen level in the room, poising a suffocation risk. Ensure good ventilation of areas at risk. Eliminate all sources of ignition, avoid sparking and take precautionary measures against static electricity. |



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| - Procedure in case of accident: | leak as soon a Prevent gas p accumulation co and similar). Pr | rom the leak site. s possible if it car penetration into p ould be dangerous ovide ventilation. te if an accidental o | be done safely. blaces where its (sewage, recesses) The product shall |
| 6.1.2. For emergency responders: | area and allow personal prote | harge area. Ventila w the product to ctive equipment lis vacuate unprotecte ea. | evaporate. Use sted in Section 8 |
| 6.2 Environmental precautions: | manner. Insula penetration in could be dange Provide good v | t spread if this can b ate the spill are to places where erous (sewage, rece entilation. The pro accidental dischar | ea. Prevent gas its accumulation sses and similar). duct shall rapidly |
| 6.3 Methods and material for cont | ainment and cleaning up | | |
| 6.3.1. For bunding, covering and ca | done in a safe | the leak at the sou ely manner. Allow ure adequate ventil | the product to |
| 6.3.2. For cleaning up: | Ventilate the di to evaporate. | ischarge area and a | allow the product |
| 6.3.3. Other information: | forms an explo concentration of point of esca characteristics of in contact with | id very quickly turn osive mixture with drops below explo- pe, initiate interv of cryogen liquid an n cooling — cryoge k. May cause frostb | n air! When the sion limits at the vention. Displays ad many materials en liquid become |
| 6.4 Reference to other sections: | See sections 8 a | and 13. | |

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling



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| 7.1.1 Safe handling advice | E: Use product only in well-ventilated are and ignition. Use non-sparking tools. D equipped areas in accordance with rele of connection points to prevent occupational safety and fire safety me order to avoid cylinder or valve dama presence of open flame. Do not check t soap (foam). Do not open valves on with any tool (only with hands). Keep a | Decant only at pro evant regulations possible leaks easures. Do not t age. Do not hanc for leaks with ope cylinders or spec | perly marked an . Take special car . Strictly follow hrow cylinders i tle cylinder in th en flame, only wit cial-purpose tank | |
| 7.1.2 Advice on general occupational hygiene: | product is handled. Keep personal clo and where this product is handled. U | It is forbidden to smoke, eat, drink, or keep food in a room where this product is handled. Keep personal clothes separated from work clothing and where this product is handled. Use personal protection equipment listed in Section 8. Avoid inhalation and contact with skin and eyes. | | |
| 7.2 Conditions for safe st | orage, including any incompatibilities | | | |
| - SUITABLE: | Dedicated containers and metal (steel) pr regulations concerning storage and decanting ventilated place, explosion-proof. | | - | |
| - TO BE AVOIDED: | Storing in the area together with chemicals the Do not keep sparking tools and machines in cylinders in horizontal position i.e., position through gas phase opening. | storage area. Do | not store or us | |
| - Packaging materials | | | | |
| - RECOMMENDED: | Original manufacturer's container with valid co | ertificate. | | |
| - NOT SUITABLE: | Any other packaging material. | | | |

7.3 Specific end use(s):

Safety handling documentation is available at each production site and includes the selection of technical, administrative, and personal protective equipment in accordance with the risk-based management system.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

| Hazardous substance (CAS No.) | values/sho | l exposure limit rt term values _/STEL) | Biological limit values | |
|----------------------------------|------------|---|-------------------------|--|
| | ppm | mg/m³ | | |
| Butane (106-97-8) | 600/750 | 1450/1810 | - | |

- Monitoring procedures:

8.2. Exposure controls

- Summary of risk management measures: The degree of protection and the type of control depend on the possible exposure according to risk assessment. Measurement of oxygen and hazardous substances in the air, according to regulations.



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8.2.1 Occupational exposure controls

- Description of operating procedure and technological control:

Provide good ventilation/air suction in work area. Provide decontamination sprinkler for eyes and face. Respect personal hygiene measures: wash hands after work, mandatory before eating, drinking, or smoking. Regularly maintain and wash clothing and equipment after use to remove dirt. Dispose contaminated clothing and equipment according to regulations. Maintain cleanliness according to good practice. Educate and train the employees on potential hazards and control measures. Test and maintain product handling equipment: e.g., personal protection equipment, ventilation system.

8.2.2 Personal protective equipment

| - respiratory protection: | Use protective mask for the whole face (HRN EN 136/AC:2006) with filter for the protection against gases and evaporation of organic compounds with a boiling point up to 65°C (HRN EN 14387). |
|---|--|
| | In the event of an increased gas concentration and a decreased oxygen concentration, it is mandatory to use self-contained open circuit compressed air breathing apparatus (HRN EN 137). |
| - hand protection: | Use protective gloves (HRN EN 374) of persistent leak-proof material (nitrile or nitrile butyl rubber). In frequent contact with the hazardous substance, the resistance level to absorption of the gloves shall be > 240 min. In case of manipulation with liquefied isobutane, it is necessary to use thermally insulated gloves HRN EN 511, in order to avoid frostbite. |
| - eye/face protection: | Protective goggles or a visor (HRN EN 166). |
| - skin and body protection: | Protective clothing (HRN EN ISO 13688, HRN EN 1149-5, HRN EN 14605 (type 3 and 4), HRN EN 1073-2, HRN EN ISO 13982-1:2005/A1:2011 TYPE 5, HRN EN 13034 TYPE 6, HRN EN 14126:2004/AC:2005). |
| - Special hygienic and safety precautions: | The workplace shall be equipped with a shower. No smoking or eating and drinking when handling the gas. Regularly control and monitor the functionality and the use of personal protective equipment used when handling the hazardous chemical. Regularly wash and maintain personal protective clothing and equipment. The contaminated clothing may not be used and shall be replaced. In the case of liquefied isobutane handling, personal protective equipment must be used to prevent frostbite. Contaminated leather clothing and footwear must not be reused and must be disposed of properly. |

8.2.3 Environmental exposure controls

- Summary of risk management measures: No data available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

- physical state: gas; liquid under pressure
- colour: colourless
- odour: odourless
- odour threshold: Not applicable.



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| - pH value (indicate conc. and tem | p.): | | Not applicable. | | |
| - melting point/freezing point: | | °C | -159.4 | | |
| - boiling point/boiling range: | | °C | -11.7 | | |
| - flash point: | | °C | -107 | | |
| - evaporation rate: | | | No data available. | | |
| - flammability (solid, gas): | | | No data available. | | |
| - explosive limits: | | vol. % | 1.5 – 8.5 | | |
| - vapour pressure: | | kPa | 540 (max.) | | |
| - vapour density at 15°C: | | kg/m³ | No data available. | | |
| - relative density: | | | No data available. | | |
| - density at 15°C: | | kg/m³ | 564 | | |
| - solubility (indicate solvent): | | g/L | No data available. | | |
| - solubility in water (at 20 - 25°C a | nd pH 7): | g/L | 22.4 – 61.2 (from litera | ture) | |
| - partition coefficient n-octanol / v | vater | logPow | 1.09 – 2.8 (from literat | ure) | |
| - auto ignition temperature: | | °C | 460 | | |
| - decomposition temperature: | | °C | No data available. | | |
| - kinematic viscosity at xx °C: | | mm²/s | No data available. | | |
| - oxidizing properties: | | | No data available. | | |
| - conductivity: | | pS/m | No data available. | | |
| 9.2. Other information: | | | | | |
| No data available. | | | | | |

| SECTION 10. STABILITY AND REACTIVITY | | |
|--|--|--|
| 10.1 Reactivity: | Stable under recommended handling and storage conditions. | |
| 10.2 Chemical stability: | Stable under recommended handling and storage conditions. | |
| 10.3 Possibility of hazardous reactions: | May form an explosive mixture with air! In contact with strong oxidants may react strongly. | |
| 10.4 Conditions to avoid: | Contact with air, heat sources, flame, sparking. | |
| 10.5 Incompatible materials: | Strong oxidants, nitrogen oxides (NO, NO ₂). | |
| 10.6 Hazardous decomposition products: | None in standard operating conditions and in proper storage; however thermal decomposition may generate harmful gases, including carbon-monoxide, (CO), carbon dioxide. | |

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:



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| - Acute toxicity | | | | |
| - oral (LD ₅₀): | Not classi | fied. | | |
| - inhalation (LC $_{50}$): | | L (air, 15 min., rat) | | |
| | 0. | om (15 min., rat) | | |
| | 1237 mg/ | L (air, 2 h, mouse) | | |
| | 520400 - 5 | 539600 ppm (2 h, mouse) | | |
| - dermal (LD ₅₀): | Not classi | fied. | | |
| - Corrosion/Irritation | | | | |
| - skin: | Compress | ed gas causes frostbites. | | |
| - Repeated dose toxicity | No data av | vailable. | | |
| - Serious damage/irritation | | | | |
| - eyes: | Compress | ed gas causes frostbites. | | |
| - Sensitisation | | | | |
| - skin: | | No data available. | | |
| - respiratory tract: | | No data available. | | |
| - Germ cell mutagenicity: | | No data available. | | |
| - Carcinogenicity: | | Not classified. | | |
| - Reproductive toxicity: | | No data available. | | |
| - STOT (SE): | | No data available. | | |
| - STOT (RE): | | No data available. | | |
| - Aspiration hazard: | | Not applicable. | | |
| - Information on likely routes o | f exposure: | No data available. | | |
| - Symptoms related to the phys and toxicological characteristic | | Causes headache and d prolonged exposure ma Compressed gas causes fr | y cause fainting | |
| - Delayed and immediate effe chronic effects from short a exposure: | | No data available. | | |
| 11.2. Information on other haz | ards | | | |
| - Endocrine disrupting properti | es: | No data available. | | |
| - Other information: | | No data available. | | |
| | | | | |

12.1. Toxicity - to aquatic organisms: LC₅₀=14.22 - 69.43 mg/L (48 h, vertebrates) LC₅₀=24.11 - 147.54 mg/L (4 days, fish) EC₅₀=7.71 - 19.37 mg/L (4 days, algae) - to ground organisms: No data available.

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| - to plants and land animals: | No data available. | | |
| 12.2. Persistence and degradability | | | |
| - biodegradation: | No data available. | | |
| - other degradation processes: | No data available. | | |
| - degradation in wastewater: | No data available. | | |
| 12.3. Bioaccumulative potential | | | |
| - bio-concentration factor (BCF): | 1.09 – 2.8 (literature | data) | |
| 12.4. Mobility in soil | Metho | Method: No data available. | |
| - Known or predicted distribution in environmental compartments: | likely soil and water p | Evaporates rapidly. Due to very fast evaporation, it is no likely soil and water pollution. Due to the lower density, i stays on water surfaces from where it evaporates quickly | |
| - surface tension: | No data available. | | |
| - absorption/desorption: | No data available. | | |
| - other physical and chemical proper | ties: See Section 9. | | |
| 12.5. Results of PBT and vPvB assess | nent | | |
| - data from chemical safety report: | The substance does n Annex XIII, REACH reg | | vPvB criteria of |
| 12.6. Endocrine disrupting properties | No data available. | | |
| 12.7. Other adverse effects: | No data available. | | |

| 13.1 Waste treatment methods: | Not applicable. |
|-------------------------------|---|
| - Waste codes: | Not applicable. |
| - Waste from residues: | Not applicable. There is no classic waste from this product. |
| - Contaminated packaging: | Close the empty containers and return to producer. |
| - Relevant provisions: | Waste Management Act, Ordinance on waste catalogue, Ordinance on waste management. |

SECTION 14. TRANSPORT INFORMATION

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| |
| 2 |
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| Not assigned to any packaging group. |
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| ADR, RID, ADN, ICAO/IATA: | No data available, likely soil and wate | due to very fast eva er pollution. | aporation, it is no |
| IMDG: | No data available, likely soil and wate | due to very fast eva er pollution. | aporation, it is no |
| 14.6 Special precautions for user | | | |
| ADR | RID | | |
| Transport category: 2 | Transport categor | y: 2 | |
| Vehicle for tank carriage: FL | Tank code: PxBN(N | ∕1) | |
| Tank code: PxBN(M) | Label: 2.1 (+13) | | |
| Tunnel restriction code: B/D | Classification code | e: 2F | |
| Label: 2.1 | Hazard identificati | on: 23 | |
| Classification code: 2F | Special provisions: | : TU38, TE22, TA4, T | T9, TM6, CW9, |
| Hazard identification: 23 | CW10, CW36, CE3 | | |
| Special provisions: 392, 657, 662, 674, TA4 CV9, CV10, CV36, S2, S20 | , TT9, | | |
| ADN | IMDG | | |
| Label: 2.1 | Subsidiary risk: / | | |
| Additional requirements/Remarks: 2; 31 | Group of the cargo | o: P 200 | |
| Dangers: 2.1 | Special provisions: | : - | |
| Equipment required: PP, EX, A | EmS: F-D, S-U | | |
| Classification code: 2F | Segregation group | o: Cat. E | |
| Carriage permitted: YES | | | |
| Type of tank vessel: G | | | |
| Anti-explosion protection required: YES | | | |
| Maximum degree of filling in %: 91 | | | |
| | | | |
| ICAO | | | |
| Label: 2.1 | | | |
| Cargo IMP code: RFG | | | |
| Passenger and cargo aircraft: Forbidden | | | |
| Cargo aircraft only: 150 kg net per packagin | ng | | |
| ERG code: 10L | | | |
| 14.7 Maritime transport in bulk according | to IMO instruments | | |
| Trade name: | - | - | |
| Pollution category (according to MARPOL, | Annex II): - | - | |
| Vaccal type (according to IBC Code); | | | |

_

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Vessel type (according to IBC Code):

Special and operative requirements (according to IBC Code):

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15. REGULATORY INFORMATION

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

- Applicable EU regulations: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and 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 (CLP); Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 (REACH). - Applicable national regulations: Act on Chemicals; Ordinance on workers protection to dangerous chemicals exposure during work, exposure limit values and biological limit values; Act on Waste Management, Ordinance on waste catalogue, Ordinance on waste management.

- Authorization information: -

- Restriction information: -

15.2 Chemical Safety Assessment

| - Chemical Safety Assessment carried out (CSA): | YES X | NO |
|---|-------|----|
|---|-------|----|

| 16. OTHER INFORM | ATION | |
|-----------------------------|--|--|
| Revision indicators | | |
| Section: | Subject of change: | |
| | New edition of SDS with changes in all chapters. | |
| | Aligned with Commission Regulation (EU) 2020/878. | |
| Full text of H- phras | es | |
| H220 | Extremely flammable gas. | |
| H280 | Contains gas under pressure; may explode if heated. | |
| Abbreviations and acronyms: | | |
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways | |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road | |
| CAS number | Chemical Abstract Service number | |
| CLP | Classification, Labelling and Packaging of substances and mixtures | |
| CSA | Chemical Safety Assessment | |
| CSR | Chemical Safety Report | |

According to the Regulation No. 1907/2006



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| Product | LIQUEFIED PETROLEUM GAS | Date: | 2021/12/01 |
|-----------|---|-----------------|--------------------|
| | PURIFIED ISOBUTANE | Edition: | 10 |
| EC number | European Community number for identification of ch available in the EU | emical substan | ces commercially |
| IATA | International Air Transport Association | | |
| ICAO | International Civil Aviation Organization | | |
| IMDG | International Maritime Dangerous Goods Code trans | port | |
| LC50 | Lethal concentration for 50% of tested organisms | | |
| LD50 | Lethal concentration for 50% of tested organisms (me | edium lethal co | ncentration) |
| OIN | Oil industry notes | | |
| PBT | Persistent, bioaccumulative and toxic | | |
| REACH | Registration, Evaluation, Authorisation and Restrictio | n of Chemicals | |
| RID | Regulations Concerning the International Transport o | of Dangerous Go | oods by Rail |
| STOT (SE) | Specific Target Organ Toxicity (Single Exposure) | | |
| STOT (RE) | Specific Target Organ Toxicity (Repeated Exposure) | | |
| UFI | Unique formula identifier (according to section 5. Pa (EU) no. 1272/2008) | art A of Annex | VIII of Regulation |
| UVCB | Chemical Substances of Unknown or Variable C Products and Biological Materials | omposition, Co | omplex Reaction |
| vPvB | Very persistent and very bioaccumulative | | |

Statement:

This SDS is in compliance with the EU Regulation No. 1907/2006 and No. 1272/2008 of the European Parliament and the Council. It contains important user health and safety and environmental protection information. The information provided herein is not a substitute for any specification of quality and should not be deemed as a guarantee of the adequacy and applicability of this product for any purpose whatsoever. All information provided herein is based on our current knowledge and compliant with applicable legal regulations. The user is responsible for adherence to relevant legal regulations.

Data source:

- 1. <u>www.hzt.hr</u>
- 2. http://echa.europa.eu/hr
- 3. LOA REACH Consortium, Active Steward documents for Safety Data Sheet creation

APPENDIX: EXPOSURE SCENARIOS ACCORDING TO CHEMICAL SAFETY REPORT