

according to Regulation (EC) No 1907/2006 (REACH) as amended

BALTECH P6404 KEROSENE

Creation date	07th December 2018	Version	2.0
Revision date	21st March 2022		

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

- 1.1. Product identifier**
Substance / mixture BALTECH P6404 KEROSENE
Chemical name substance
hydrocarbons, C11 - C14, n-alkanes, isoalkanes,
cyclic, <2% aromatics
Index number 649-422-00-2
EC (EINECS) number 926-141-6
Registration number 01-2119456620-43
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Substance's intended use
Technical liquid determined as a fuel, mainly for lighting in oil lamps.
Substance uses advised against
This product (customs nomenclature 2710 19 25) must not be used for engine drives.
- 1.3. Details of the supplier of the safety data sheet**
Distributor
Name or trade name BARVY A LAKY TELURIA, s.r.o.
Address č.p.1, Skrchov, 679 61
Czech Republic
Identification number (CRN) 43420371
VAT Reg No CZ43420371
Phone +420 516 474 211
E-mail tel@teluria.cz
Web address http://www.bal.cz
- Competent person responsible for the safety data sheet**
Name BARVY A LAKY TELURIA, s.r.o.
E-mail tel@teluria.cz
- 1.4. Emergency telephone number**
National Health Service (NHS) 111
National poisoning information centre Scotland, NHS 24: 111

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the substance in accordance with Regulation (EC) No 1272/2008
The substance is classified as dangerous.

Asp. Tox. 1, H304

Full text of all classifications and hazard statements is given in the section 16.

Most serious adverse effects on human health and the environment
May be fatal if swallowed and enters airways.

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2.2. Label elements

Hazard pictogram



Signal word

Danger

Dangerous substance

 hydrocarbons, C11 - C14, n-alkanes, isoalkanes, cyclic, <2% aromatics
 (Index: 649-422-00-2; EC: 926-141-6)

Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P264	Wash hands and exposed parts of the body thoroughly after handling.
P301+P310	IF SWALLOWED: Immediately call a doctor.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P501	Dispose of contents/container to in accordance with local regulations by handing over to a person authorized to dispose of waste or a site designated by the town.

Supplemental information

 EUH066 Repeated exposure may cause skin dryness or cracking.
 Keep lamps filled with this liquid out of the reach of children. Just a sip of lamp oil – or even sucking the wick of lamps – may lead to life-threatening lung damage.

Requirements for child-resistant fastenings and tactile warning of danger

Container must carry a tactile warning of danger. Container must be fitted with child-resistant fastening.

2.3. Other hazards

Substance does not meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Vapours mixed up with air can be explosive. If swallowed may cause lungs injury (aspiration bronchopneumonia). The material can accumulate static charge to cause ignition by an electric spark.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization

The substance specified below.

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 649-422-00-2 EC: 926-141-6 Registration number: 01-2119456620-43	substance main component hydrocarbons, C11 - C14, n-alkanes, isoalkanes, cyclic, <2% aromatics	100	Asp. Tox. 1, H304 EUH066	

Full text of all classifications and hazard statements is given in the section 16.

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SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Take care of your own safety, do not let the affected person walk! Beware of the contaminated clothes. Depending on the situation, call the medical rescue service and ensure medical treatment considering the frequent need of further observation for at least 24 hours.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes.

If swallowed

DO NOT INDUCE VOMITING! If the affected person vomits, make sure to prevent inhalation of the vomit (as there is a danger of lung damage after inhalation of these liquids in the airways also in infinitesimal amount). Provide medical treatment considering the frequent need of further observation for at least 24 hours. Bring an original container with the label and the Safety Data Sheet of the given substance as appropriate.

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

If inhaled

Inhalation of vapors and aerosols may cause irritation of respiratory mucous membranes. Concentrated vapors have a narcotic effect on the central nervous system, nausea, loss of consciousness. In high concentrations it causes asphyxia. The affected person will not realize that they suffocate.

If on skin

Prolonged or repeated contact can cause dry skin and irritation.

If in eyes

Not expected.

If swallowed

In the event of accidental ingestion, it may penetrate the lungs and, due to low viscosity, lead to severe, rapidly developing lung damage. (health check within 48 hours). Ingestion may result in stomach irritation, nausea, vomiting and diarrhea. It can cause decreased activity of the central nervous system.

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

Symptomatic treatment. Pay attention: contains organic solvents. Ingestion or vomiting may occur due to aspiration into the lungs and then a rapid absorption and damage to other organs. In case of suspected break-liquid ingredients into the lungs get medical help immediately. Get medical supervision for at least 48 hours after ingestion of liquid.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Use a self-contained breathing apparatus and full-body protective clothing. Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For workers apart from emergency teams: Avoid inhalation of vapour, prevent skin and eye contact. Wear appropriate protective clothing and gloves. Wear eye protection and face shield if necessary. Use suitable respiratory protection. In closed spaces, ensure fresh air supply. Eliminate all ignition sources. No smoking and no open fire. Keep unnecessary personnel away.

For members of emergency teams: Use appropriate personal protective equipment – protective clothing with antistatic finish and impermeable work shoes. Treat unprotected skin with barrier cream. Anti-chemical protective gloves. For short-time exposure or low concentration, use respirator with organic vapour and dust filter (protection level A/P2); for high concentration and long-term exposure, self-contained respirator is necessary.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

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SECTION 7: Handling and storage**7.1. Precautions for safe handling****7.1.1. General health measures**

Use the product after due familiarization with its hazard characteristics and proper training or training in its safe use. Do not eat, drink, smoke on the site. Wash your hands and other contaminated parts of body by soap and water before eating and after the use of product is finished. Abide by requirements on personal hygiene when working with hazardous chemical products.

Use technical equipment on the site to control human and environment exposure. Regularly inspect the equipment, ensure cleaning, timely maintenance and permanent functionality. When working, use the recommended personal protective equipment listed in 8.2 of the Safety Data Sheet and in Annex to the Safety Data Sheet. Keep the protective clothing and protective equipment sound and clean. Immediately replace the damaged protective aids for sound ones. Keep the site, tools and aids clean and in sound state. On the site, keep the product in labelled containers or tanks. Store product waste and wastes contaminated by the product in suitable and properly labelled vessels located on designated marked and protected places. Ensure long-term storing of wastes containing the product outside the site.

7.1.2. Fire precautions

When using the product, prevent potential ignition or explosion of the mixture of product vapour and air caused by contact with open flame, sparks, extremely hot surfaces, electrostatic discharges. Do not smoke on the site, use non-sparking tools. Places with increased occurrence of the vapour-air mixture need to be ventilated to prevent formation of explosive mixtures. Solvent vapours are heavier than air. The site should be protected from electrostatic discharges.

7.1.3. Environmental precautions

Handle the product on a site technically adapted to avoid accidental leakage to sewerage systems, water or soil. Product waste and wastes contaminated by the product to be disposed of as hazardous waste. Waste water contaminated by the product may only be discharged to water reservoirs after the product components are properly removed in a waste water treatment plant or in other appropriate treatment plant able to remove drifted product components from water. Do not pour the product to waste water. Emissions of solvent from point sources are subjected to control requirements acc. to air protection regulations.

7.2. Conditions for safe storage, including any incompatibilities

Store the product in properly marked, closed containers in well ventilated spaces at 5 – 25 °C. The storages must meet the requirements on storing of flammable liquids and substances hazardous for aquatic life and soil. Protect from heat, hot surfaces, sparks, open flame and other ignition sources. No smoking. Store away from oxidising substances and strong acids. Do not store with food, drinks, feed material, medicines. Storages should be protected from static electricity. First aid kit and water suitable for eye rinsing should be available.

7.3. Specific end use(s)

The substance hydrocarbons, C11-C14, n-alkanes, isocyanates, cyclic <2% aromatics was evaluated for use as fuel for industrial and professional use (PROC16) and as a fuel for consumers (PC13). The only dangerous property requiring classification of the substance is Asp. Aspiration hazard. Tox. 1, H304. There are no limits for safe doses or concentrations for substances with this property, so no quantitative risk assessment is performed. The main condition for the safe use of these substances is to prevent their ingestion (drinking). This requirement is applied in the safety data sheet in the classification and labeling of the product in section 2 and other information contained in the safety data sheet.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

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8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest. Conditions of safe use of the registered coating composition components specified in this Safety Data Sheet.

Eye/face protection

It is not needed.

Skin protection

When handling in long-term or repeatedly, use protective gloves. Contaminated skin should be washed thoroughly.

Respiratory protection

Don't breathe vapours. For short-time exposure or low concentration, use respirator with organic vapour and dust filter (protection level A/P2); for high concentration and long-term exposure, self-contained respirator is necessary.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	colourless
Odour	data not available
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	180 - 270 °C
Flammability	data not available
Lower and upper explosion limit	
bottom	0.6 %
upper	7.0 %
Flash point	>64 °C
Auto-ignition temperature	>230 °C
Decomposition temperature	data not available
pH	data not available
Kinematic viscosity	<20.5 mm ² /s at 40 °C
Solubility in water	insoluble
Solubility in fats	data not available
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	0,017 kPa at 20 °C
Density and/or relative density	
Density	0.800 - 0.82 g/cm ³ at 20 °C

9.2. Other information

Evaporation rate	data not available
Oxidising properties	The product has no oxidizing properties.
Content of organic solvents (VOC)	1.00 kg/kg
Total organic carbon (TOC)	0.85 kg/kg

SECTION 10: Stability and reactivity

10.1. Reactivity

The substance is non-flammable.

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10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

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

No toxicological data is available for the substance.

Acute toxicity

Based on available data the classification criteria are not met.

hydrocarbons, C11 - C14, n-alkanes, isoalkanes, cyclic, <2% aromatics

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Oral	LD ₅₀	OECD 401	>5000 mg/kg bw		Rat (Rattus norvegicus)	
Inhalation (vapor)	LC ₅₀	OECD 403	>5000 mg/m ³	8 hour	Rat (Rattus norvegicus)	
Dermal	LD ₅₀	OECD 402	>5000 mg/kg bw		Rabbit	

Skin corrosion/irritation

Based on available data the classification criteria are not met. Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation

Based on available data the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Based on available data the classification criteria are not met.

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Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2. Information on other hazards

not available

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

Based on available data the classification criteria are not met.

hydrocarbons, C11 - C14, n-alkanes, isoalkanes, cyclic, <2% aromatics

Parameter	Method	Value	Time of exposure	Species	Environment
LL50	OECD 203	>1000 mg/l	96 hour	Fishes (Oncorhynchus mykiss)	
EL50	OECD 202	>1000 mg/l	48 hour	Daphnia (Daphnia magna)	
ErL50	OECD 201	>1000 mg/l	72 hour	Algae (Pseudokirchneriella subcapitata)	

12.2. Persistence and degradability

Biodegradability

hydrocarbons, C11 - C14, n-alkanes, isoalkanes, cyclic, <2% aromatics

Parameter	Method	Value	Time of exposure	Environment	Result
	OECD 301F	69 %	28 day		

The substance is biodegradable.

12.3. Bioaccumulative potential

Not available.

12.4. Mobility in soil

The substance is UVCB. Standard tests are not available.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

not available

according to Regulation (EC) No 1907/2006 (REACH) as amended

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12.7. Other adverse effects

Not available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

07 01 04 other organic solvents, washing liquids and mother liquors *
13 07 03 other fuels (including mixtures) *

Packaging waste type code

15 01 10 packaging containing residues of or contaminated by hazardous substances *
(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information**14.1. UN number or ID number**

not subject to transport regulations

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

not available

14.7. Maritime transport in bulk according to IMO instruments

not relevant

Additional information

The product is dangerous for inland waterways (ADNR / ADN)

UN number: 9003

UN proper shipping name: FLAMMABLE SUBSTANCES MORE THAN 60 ° C AND LESS THAN 100 ° C

Transport hazard class: 9

according to Regulation (EC) No 1907/2006 (REACH) as amended

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SECTION 15: Regulatory information

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

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 as amended. Environmental Protection Act 1990 as amended. Clean Air Act 1993 as amended. Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th 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, as amended.

15.2. Chemical safety assessment

The chemical safety assessment was carried out for the hydrocarbons, C11-C14, n-alkanes, isocyanates, cyclic <2% aromatics during its registration. The conclusions of the assessment for the use of the substance as fuel (except fuels for motor technology) are incorporated in this Safety Data Sheet.

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H304 May be fatal if swallowed and enters airways.

Guidelines for safe handling used in the safety data sheet

P102 Keep out of reach of children.

P501 Dispose of contents/container to in accordance with local regulations by handing over to a person authorized to dispose of waste or a site designated by the town.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P301+P310 IF SWALLOWED: Immediately call a doctor.

P264 Wash hands and exposed parts of the body thoroughly after handling.

P101 If medical advice is needed, have product container or label at hand.

A list of additional standard phrases used in the safety data sheet

EUH066 Repeated exposure may cause skin dryness or cracking.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR European agreement concerning the international carriage of dangerous goods by road

BCF Bioconcentration Factor

CAS Chemical Abstracts Service

CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures

EINECS European Inventory of Existing Commercial Chemical Substances

EL₅₀ Effective Loading for 50% of the tested organisms

EmS Emergency plan

ES Identification code for each substance listed in EINECS

EU European Union

EuPCS European Product Categorisation System

IATA International Air Transport Association

IBC International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals

ICAO International Civil Aviation Organization

IMDG International Maritime Dangerous Goods

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INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
LL ₅₀	Lethal Loading for 50% of tested organisms
log K _{ow}	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution from Ships
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative

Asp. Tox. Aspiration hazard

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

This product (customs nomenclature 2710 19 25) must not be used for engine drives.

Information about data sources used to compile the Safety Data Sheet

Commission Regulation (EU) 2020/878 of 18 June 2020. REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

The version 2.0 replaces the SDS version from 07 December 2018. Overall revision of SDS according to Commission Regulation (EU) 2020/878.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.