

Safety Data Sheet

according to Regulation (EC) No 1907/2006

LPG Benzine HP

Revision date: 03.04.2020

Product code: 1100585

Page 1 of 14

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

1.1. Product identifier

LPG Benzine HP

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

Use of the substance/mixture

Additive

1.3. Details of the supplier of the safety data sheet

Company name:	TECHNIQUA Handels GmbH	E-Mail: sales@techniqua.de
Street:	Reichenhaller Str. 15	
Place:	D-83441 Piding	
Telephone:	+49 (0) 8651 767 6251	

1.4. Emergency telephone number:

Poison information center
Tel: +49 (0) 6131 - 19240, Langenbeckstraße 1, D- 55131 Mainz

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 3

Aspiration hazard: Asp. Tox. 1

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Specific target organ toxicity - single exposure: STOT SE 3

Specific target organ toxicity - repeated exposure: STOT RE 1

Specific target organ toxicity - repeated exposure: STOT RE 2

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Flammable liquid and vapour.

May be fatal if swallowed and enters airways.

Causes skin irritation.

Causes serious eye damage.

May cause drowsiness or dizziness.

Causes damage to organs through prolonged or repeated exposure.

May cause damage to organs through prolonged or repeated exposure.

Toxic to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25 %)

potassium 1,2-bis(2-ethylhexyloxycarbonyl)ethanesulphonate

Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclics, aromates (2-25 %)

Oxirane, 2-ethyl-, homopolymer, 3-aminopropyl C11-14-isoalkyl ethers, C13-rich

Signal word: Danger

Pictograms:



Safety Data Sheet

according to Regulation (EC) No 1907/2006

LPG Benzine HP

Revision date: 03.04.2020

Product code: 1100585

Page 2 of 14

Hazard statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe vapours.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves and eye/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Safety Data Sheet

according to Regulation (EC) No 1907/2006

LPG Benzine HP

Revision date: 03.04.2020

Product code: 1100585

Page 3 of 14

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
64742-82-1	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25 %)			50 - <= 100 %
	919-446-0		01-2119458049-33	
	Flam. Liq. 3, STOT SE 3, STOT RE 1, Asp. Tox. 1, Aquatic Chronic 2; H226 H336 H372 H304 H411 EUH066			
7491-09-0	potassium 1,2-bis(2-ethylhexyloxycarbonyl)ethanesulphonate			10 - < 20 %
	231-308-5		01-2119919740-39	
	Skin Irrit. 2, Eye Dam. 1; H315 H318			
64742-82-1	Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclics, aromates (2-25 %)			3 - < 5 %
	919-164-8		01-2119473977-17	
	STOT RE 1, Asp. Tox. 1, Aquatic Chronic 3; H372 H304 H412 EUH066			
1398506-12-1	Oxirane, 2-ethyl-, homopolymer, 3-aminopropyl C11-14-isoalkyl ethers, C13-rich			1 - < 3 %
	805-631-2			
	Acute Tox. 4, Eye Dam. 1, Aquatic Chronic 2; H302 H318 H411			
	Reaction mass of 2,6-di-tert-butylphenol and 2,4,6-tri-tert-butylphenol			1 - < 3 %
	907-745-9		01-2119538013-5	
	Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1; H318 H400 H410			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection! Remove persons to safety. Never give anything by mouth to an unconscious person or a person with cramps.

After inhalation

Remove person to fresh air and keep comfortable for breathing. In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with skin

Wash with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Call a physician in any case!

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

Headache, nausea, dizziness, fatigue, skin irritation

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

Treat symptomatically. Call a POISON CENTER. Symptoms can occur only after several hours.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Safety Data Sheet



according to Regulation (EC) No 1907/2006

LPG Benzine HP

Revision date: 03.04.2020

Product code: 1100585

Page 4 of 14

Suitable extinguishing media

Water fog. Foam. Carbon dioxide (CO₂). Extinguishing powder.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Incomplete combustion and thermolysis gases of different toxicity can occur. In the case of hydrocarbonaceous products such as CO, CO₂, aldehydes and soot. These can be very dangerous if they are inhaled in high concentrations or in enclosed spaces.

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Move undamaged containers from immediate hazard area if it can be done safely. In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Remove all sources of ignition. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Ensure all waste water is collected and treated via a waste water treatment plant.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Observe instructions for use.
Dust must be exhausted directly at the point of origin. Vapours/aerosols must be exhausted directly at the point of origin. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.
When using do not eat, drink, smoke, sniff.
Wear personal protection equipment (refer to section 8).

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Further information on handling

Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Observe legal regulations and provisions.

Hints on joint storage

Do not store together with: Oxidizing agents. Pyrophoric or self-heating substances. Food and feedingstuffs.

Further information on storage conditions

Store in a cool dry place. Observe legal regulations and provisions.

7.3. Specific end use(s)

Safety Data Sheet



according to Regulation (EC) No 1907/2006

LPG Benzine HP

Revision date: 03.04.2020

Product code: 1100585

Page 5 of 14

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
DNEL type				
7491-09-0	potassium 1,2-bis(2-ethylhexyloxycarbonyl)ethanesulphonate			
Worker DNEL, long-term		inhalation	systemic	98,7 mg/m ³
Worker DNEL, long-term		dermal	systemic	10 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	14,8 mg/m ³
Consumer DNEL, long-term		dermal	systemic	5 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	5 mg/kg bw/day
	Reaction mass of 2,6-di-tert-butylphenol and 2,4,6-tri-tert-butylphenol			
Worker DNEL, long-term		inhalation	systemic	3,5 mg/m ³
Worker DNEL, long-term		dermal	systemic	0,5 mg/kg bw/day

PNEC values

CAS No	Substance	Value
Environmental compartment		
7491-09-0	potassium 1,2-bis(2-ethylhexyloxycarbonyl)ethanesulphonate	
Freshwater		0,007 mg/l
Freshwater (intermittent releases)		0,066 mg/l
Marine water		0,001 mg/l
Freshwater sediment		0,525 mg/kg
Marine sediment		0,052 mg/kg
Micro-organisms in sewage treatment plants (STP)		122 mg/l
Soil		0,101 mg/kg
	Reaction mass of 2,6-di-tert-butylphenol and 2,4,6-tri-tert-butylphenol	
Freshwater		0,0003 mg/l
Marine water		0,00003 mg/l
Freshwater sediment		0,09 mg/kg
Marine sediment		0,009 mg/kg
Secondary poisoning		8,33 mg/kg
Micro-organisms in sewage treatment plants (STP)		2,4 mg/l
Soil		0,044 mg/kg

Additional advice on limit values

- a no restriction
- b End of exposure or end of shift
- c at long term exposure: after several previous shifts
- d before next shift

blood (B)
Urine (U)

8.2. Exposure controls

Safety Data Sheet



according to Regulation (EC) No 1907/2006

LPG Benzine HP

Revision date: 03.04.2020

Product code: 1100585

Page 6 of 14

Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Protective and hygiene measures

Avoid exposure. Wear suitable protective clothing. Draw up and observe skin protection programme.

Eye/face protection

Suitable eye protection: Tightly sealed safety glasses.

DIN EN 166

Hand protection

Protect skin by using skin protective cream. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Suitable material: NBR (Nitrile rubber) Breakthrough time (maximum wearing time) 480min

Thickness of the glove material 0,45 mm

EN ISO 374

Skin protection

Wear suitable protective clothing. Take off immediately all contaminated clothing and wash it before reuse.

Respiratory protection

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

When exceeding the relevant workplace exposure limits, note the following:

Suitable respiratory protective equipment: Combination filter device (DIN EN 141)..

Filtering device with filter or ventilator filtering device of type: A

Observe the wear time limits as specified by the manufacturer.

Observe legal regulations and provisions.

Environmental exposure controls

Observe legal regulations and provisions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	yellow, clear
Odour:	solvent like

Test method

pH-Value (at 20 °C):	not determined	DIN 19268
----------------------	----------------	-----------

Changes in the physical state

Melting point:	not determined
----------------	----------------

Initial boiling point and boiling range:	110 °C
--	--------

Sublimation point:	No information available.
--------------------	---------------------------

Softening point:	No information available.
------------------	---------------------------

:	No information available.
---	---------------------------

Flash point:	30 °C	ISO 3679
--------------	-------	----------

Flammability

Solid:	not applicable
--------	----------------

Gas:	not applicable
------	----------------

Lower explosion limits:	0,6 vol. %
-------------------------	------------

Upper explosion limits:	7 vol. %
-------------------------	----------

Ignition temperature:	No information available.
-----------------------	---------------------------

Auto-ignition temperature

Safety Data Sheet



according to Regulation (EC) No 1907/2006

LPG Benzine HP

Revision date: 03.04.2020

Product code: 1100585

Page 7 of 14

Solid: not applicable

Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidising.

Vapour pressure: not determined

Density (at 20 °C): 0,8225 g/cm³ DIN 51757

Water solubility: The study does not need to be conducted because the substance is known to be insoluble in water.

Solubility in other solvents

not determined

Partition coefficient: not determined

Viscosity / dynamic: No information available. DIN 53019-1

Viscosity / kinematic:
(at 40 °C) < 7 mm²/s DIN EN ISO 3104

Flow time:
(at 20 °C) No information available. DIN EN ISO 2431

Vapour density: not determined

Evaporation rate: not determined

Solvent separation test: No information available.

Solvent content: No information available.

9.2. Other information

Solid content: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable, Ignition hazard.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Take precautionary measures against static discharges.

10.5. Incompatible materials

Oxidizing agents. Pyrophoric or self-heating substances.

10.6. Hazardous decomposition products

Incomplete combustion and thermolysis gases of different toxicity can occur. In the case of hydrocarbonaceous products such as CO, CO₂, aldehydes and soot. These can be very dangerous if they are inhaled in high concentrations or in enclosed spaces.

Further information

Do not mix with other chemicals.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Safety Data Sheet



according to Regulation (EC) No 1907/2006

LPG Benzine HP

Revision date: 03.04.2020

Product code: 1100585

Page 8 of 14

Toxicokinetics, metabolism and distribution

No information available.

Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-82-1	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25 %)				
	oral	LD50 > 15000 mg/kg	Rat	OECD 401	
	dermal	LD50 3400 mg/kg	Rabbit	OECD 402	
	inhalation (4 h) vapour	LC50 13100 mg/l	Rat	OECD 403	
7491-09-0	potassium 1,2-bis(2-ethylhexyloxycarbonyl)ethanesulphonate				
	oral	LD50 > 3000 mg/kg	Rat	Study report (1988)	OECD Guideline 401
	dermal	LD50 > 10000 mg/kg	Rabbit	Study report (1977)	OECD Guideline 402
64742-82-1	Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclics, aromates (2-25 %)				
	oral	LD50 > 15000 mg/kg	Rat	Study report (1977)	OECD Guideline 401
	dermal	LD50 >3400 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 > 13,1 mg/l	Rat	Study report (1977)	OECD Guideline 403
	inhalation (4 h) aerosol	LC50 13,1 mg/l	Rat		
1398506-12-1	Oxirane, 2-ethyl-, homopolymer, 3-aminopropyl C11-14-isoalkyl ethers, C13-rich				
	oral	LD50 > 5000 mg/kg	Rat		
	dermal	LD50 > 2000 mg/kg	Rabbit		
	Reaction mass of 2,6-di-tert-butylphenol and 2,4,6-tri-tert-butylphenol				
	oral	LD50 2976 mg/kg	Rat	Study report (1991)	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rat	Study report (1991)	OECD Guideline 402

Irritation and corrosivity

Causes skin irritation.

Causes serious eye damage.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

No indications of human carcinogenicity exist.

No indications of human germ cell mutagenicity exist.

No indications of human reproductive toxicity exist.

STOT-single exposure

May cause drowsiness or dizziness. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25 %))

Safety Data Sheet



according to Regulation (EC) No 1907/2006

LPG Benzine HP

Revision date: 03.04.2020

Product code: 1100585

Page 9 of 14

STOT-repeated exposure

Causes damage to organs through prolonged or repeated exposure. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25 %))

May cause damage to organs through prolonged or repeated exposure. (Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclics, aromates (2-25 %))

Aspiration hazard

May be fatal if swallowed and enters airways.

Specific effects in experiment on an animal

No information available.

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

LPG Benzine HP

Revision date: 03.04.2020

Product code: 1100585

Page 10 of 14

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
64742-82-1	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25 %)					
	Acute fish toxicity	LC50 mg/l	10 - 30	96 h Leuciscus idus (golden orfe)		
	Acute algae toxicity	ErC50 mg/l	4,6 - 10	72 h Pseudokirchneriella subcapitata		
	Acute crustacea toxicity	EC50 mg/l	10 - 22	48 h Daphnia magna		
7491-09-0	potassium 1,2-bis(2-ethylhexyloxycarbonyl)ethanesulphonate					
	Acute fish toxicity	LC50	49 mg/l	96 h Brachydanio rerio (zebra-fish)		
	Acute algae toxicity	ErC50 mg/l	39,3	72 h Desmodesmus subspicatus	Study report (1993)	other: EWG 88/302
	Acute crustacea toxicity	EC50 mg/l	> 30	48 h Daphnia magna (Big water flea)		
	Fish toxicity	NOEC	20 mg/l	4 d Brachydanio rerio (zebra-fish)		
64742-82-1	Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclics, aromates (2-25 %)					
	Acute algae toxicity	ErC50	4,1 mg/l	72 h Pseudokirchneriella subcapitata	REACH Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	10 - 22	48 h Daphnia magna	REACH Registration Dossier	OECD Guideline 202
	Fish toxicity	NOEC mg/l	0,13	28 d Oncorhynchus mykiss	REACH Registration Dossier	Tha aquatic toxicity was estimated by a
	Crustacea toxicity	NOEC mg/l	0,28	21 d Daphnia magna	REACH Registration Dossier	OECD Guideline 211
1398506-12-1	Oxirane, 2-ethyl-, homopolymer, 3-aminopropyl C11-14-isoalkyl ethers, C13-rich					
	Acute fish toxicity	LC50 mg/l	>1 - 10	96 h Oncorhynchus mykiss (Rainbow trout)		
	Acute crustacea toxicity	EC50	>1 mg/l	48 h Daphnia magna		
	Reaction mass of 2,6-di-tert-butylphenol and 2,4,6-tri-tert-butylphenol					
	Acute fish toxicity	LC50	0,3 mg/l	96 h Oncorhynchus mykiss (Rainbow trout)		
	Acute algae toxicity	ErC50	4,9 mg/l	72 h Pseudokirchneriella subcapitata	Study report (1993)	OECD Guideline 201
	Acute crustacea toxicity	EC50	0,4 mg/l	48 h Daphnia magna	Study report (1993)	EU Method C.2

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
64742-82-1	Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclics, aromates (2-25 %)			
	OECD Guideline 301 F	77,05%	28	
	Easily biodegradable (concerning to the criteria of the OECD)			

Safety Data Sheet



according to Regulation (EC) No 1907/2006

LPG Benzine HP

Revision date: 03.04.2020

Product code: 1100585

Page 11 of 14

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
7491-09-0	potassium 1,2-bis(2-ethylhexyloxycarbonyl)ethanesulphonate	1,998
64742-82-1	Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclics, aromates (2-25 %)	4,2
	Reaction mass of 2,6-di-tert-butylphenol and 2,4,6-tri-tert-butylphenol	4,5 - 5,3

BCF

CAS No	Chemical name	BCF	Species	Source
	Reaction mass of 2,6-di-tert-butylphenol and 2,4,6-tri-tert-butylphenol	660		Read-across (2010)

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

List of Wastes Code - residues/unused products

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors; hazardous waste

List of Wastes Code - used product

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Water (with cleaning agent). Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	UN 3295
14.2. UN proper shipping name:	HYDROCARBONS, LIQUID, N.O.S.
14.3. Transport hazard class(es):	3
14.4. Packing group:	III

Safety Data Sheet



according to Regulation (EC) No 1907/2006

LPG Benzine HP

Revision date: 03.04.2020

Product code: 1100585

Page 12 of 14

Hazard label: 3
Classification code: F1
Limited quantity: 5 L
Excepted quantity: E1
Transport category: 3
Hazard No: 30
Tunnel restriction code: D/E

Inland waterways transport (ADN)

14.1. UN number: UN 3295
14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S.
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3
Classification code: F1
Limited quantity: 5 L
Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number: UN 3295
14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25 %))
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3
Marine pollutant: yes
Special Provisions: 223
Limited quantity: 5 L
Excepted quantity: E1
EmS: F-E, S-D

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 3295
14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S.
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3
Special Provisions: A3 A324
Limited quantity Passenger: 10 L
Passenger LQ: Y344
Excepted quantity: E1
IATA-packing instructions - Passenger: 355
IATA-max. quantity - Passenger: 60 L
IATA-packing instructions - Cargo: 366
IATA-max. quantity - Cargo: 220 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes
Danger releasing substance: Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25 %)

14.6. Special precautions for user

Warning: Combustible liquids.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

Safety Data Sheet



according to Regulation (EC) No 1907/2006

LPG Benzine HP

Revision date: 03.04.2020

Product code: 1100585

Page 13 of 14

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 28: Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25 %); Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclics, aromates (2-25 %)

2010/75/EU (VOC): No information available.

2004/42/EC (VOC): No information available.

Additional information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D): 2 - clearly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,2,4,5,6,7,8,9,10,11,13,15,16.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA: International Air Transport Association

IMDG: International Maritime Code for Dangerous Goods

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL/DMEL: Derived No Effect Level / Derived Minimal Effect Level

WEL (UK): Workplace Exposure Limits

TWA (EC): Time-Weighted Average

ATE: Acute Toxicity Estimate

STEL (EC) Short Term Exposure Limit

LC50: Lethal Concentration

EC50: half maximal Effective Concentration

ErC50: means EC50 in terms of reduction of growth rate

Safety Data Sheet



according to Regulation (EC) No 1907/2006

LPG Benzine HP

Revision date: 03.04.2020

Product code: 1100585

Page 14 of 14

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Asp. Tox. 1; H304	Calculation method
Skin Irrit. 2; H315	Calculation method
Eye Dam. 1; H318	Calculation method
STOT SE 3; H336	Calculation method
STOT RE 1; H372	Calculation method
STOT RE 2; H373	Calculation method
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H372	Causes damage to organs (Central nervous system) through prolonged or repeated exposure if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Further Information

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]:
Calculation method.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)