SECTION 1: Identification of the substance or mixture and of the company

1.1. Product identifier

BASI - SP 99 50 ml

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

Use of the substance/mixture

Aerosol - Lubricants, greases and release agents

1.3. Details of the supplier providing the safety data sheet

Company name:	BASI GmbH
Street:	Konstantinstraße 387
Location:	D-41238 Mönchengladbach
Telephone:	+49 (0) 2166-98560
Email:	info@basi.eu
Contact partner:	Tommy Wendler
Email:	T.Wendler@basi.eu
Internet:	www.BASI.eu
Information provided by:	Manufacturer (laboratory)

1.4. Emergency number:

SECTION 2: Potential hazards

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Aerosol 1; H222-H229
Asp. Tox. 1; H304
Aquatic Chronic 4; H413

Wording of the hazard warnings, see SECTION 16.

2.2. Identification elements

Regulation (EC) No 1272/2008

Hazardous components for labelling

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

Signal word: Danger

Pictograms:



Hazard warnings

H222	Extremely flammable aerosol.
H229	Container is pressurised: may burst if heated.
H413	May be harmful to aquatic organisms with long-lasting effects.

Safety advice

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. No smoking.
P211	Do not spray onto open flames or other sources of ignition.
P251	Do not puncture or burn, even after use.

P410+P412	Protect from sunlight. Do not expose to temperatures above 50°C/122°F
P501	Dispose of contents/container in accordance with local/national regulations.

Special labelling of certain mixtures

EUH066	Repeated contact may cause skin to become dry or cracked.

2.3. Other hazards

No information is available.

SECTION 3: Composition/information on components

3.2. Mixtures

Relevant components

CAS No.	Substance name			Share
	EC No.	Index no.	REACH No.	
	Classification (Regulation (EC) No 1272/2008)			
	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics			25 - < 30%
	920-901-0		01-2119456810-40	
	Asp. Tox. 1; H304			
	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics			25 - < 30%
	918-167-1		01-2119472146-39	
	Flam. Liq. 3, Asp. Tox. 1, Aquatic Chronic 4; H226 H304 H413 EUH066			
106-97-8	Butane			20 - < 25%
	203-448-7	601-004-00-0	01-2119474691-32	
	Flam. Gas 1, liquefied gas; H220 H280			
74-98-6	Propane			10 - < 12.5%
	200-827-9	601-003-00-5	01-2119486944-21	
	Flam. Gas 1, liquefied gas; H220 H280			
64742-53-6	Distillates (petroleum), hydrotreated light naphthenic			5 - < 10%
	265-156-6		01-2119480375-34	
	Asp. Tox. 1; H304			

Wording of H and EUH statements: see section 16.

Specific concentration limits, M factors and ATE

CAS No.	EC No.	Substance name	Share
	Specific concentration limits, M factors and ATE		
	920-901-0	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	25 - < 30%
	dermal: LD50 = > 2200 - 2500 mg/kg; oral: LD50 = > 5000 mg/kg		
	918-167-1	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	25 - < 30%
	dermal: LD50 = > 2200 - 2500 mg/kg; oral: LD50 = > 5000 mg/kg		
64742-53-6	265-156-6	Distillates (petroleum), hydrotreated light naphthenic	5 - < 10%
	dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg		

SECTION 4: First aid measures

4.1. Description of first aid measures

General notes

In case of doubt or if symptoms are present, seek medical advice. If medical advice is required, have the packaging or label

ready.

After inhalation

Provide fresh air. If breathing is difficult or stops, initiate artificial respiration. Consult a doctor immediately.

After skin contact

Take off contaminated clothing and wash before wearing again. In case of contact with skin, wash immediately with plenty of soap and water.

After eye contact

Immediately rinse carefully and thoroughly with an eye douche or water. If eye irritation persists, consult an ophthalmologist.

After swallowing

Be aware of the risk of aspiration in case of vomiting. If swallowed, rinse mouth with plenty of water (only if the person is conscious) and seek medical assistance immediately.

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

After swallowing: Subsequent observation for pneumonia and pulmonary oedema.

Symptoms may not appear until many hours later, so medical supervision is required for at least 48 hours after the accident.

4.3. Information on immediate medical assistance or special treatment

Symptomatic treatment.

SECTION 5: Fire-fighting measures

5.1. Extinguishing agent

Suitable extinguishing agents

Water spray, carbon dioxide (CO2), foam, extinguishing powder.

Unsuitable extinguishing agents

Full water jet

5.2. Special hazards arising from the substance or mixture

Extremely flammable aerosol. Container is pressurised: may burst if heated. Vapours may form explosive mixtures with air. In the event of a fire, the following may occur:

5.3. Fire-fighting instructions

In case of fire: Wear self-contained breathing apparatus.

Additional instructions

Use water spray to protect people and cool containers in the danger zone. Collect contaminated extinguishing water separately. Do not allow to enter drains or water bodies.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General notes

Remove all sources of ignition.

Personnel not trained for emergencies

Bring people to safe place.

Ventilate the affected area.

Do not breathe gas/vapour/aerosol.

Emergency personnel

Respiratory protection must be used when exposed to vapours, dust and aerosols.

6.2. Environmental protection measures

Do not allow uncontrolled release of the product into the environment. Danger of explosion.

6.3. Methods and materials for containment and cleaning

For cleaning

Absorb with liquid-binding material (sand, diatomaceous earth, acid binder, universal binder). Handle the absorbed material

as described in the Disposal section.

6.4. Reference to other sections

Safe handling: see Section 7
Personal protective equipment: see Section 8
Disposal: see Section 13

SECTION 7: Handling and storage

7.1. Protective measures for safe handling

Instructions for safe handling

Do not puncture or burn, even after use. Do not breathe gas/vapour/aerosol.

Information on fire and explosion protection

Do not spray onto flames or heated objects. Protect from sunlight. Do not expose to temperatures above 50°C/122°F. Keep away from sources of ignition - No smoking. Take measures to prevent electrostatic charges. Vapours may form explosive mixtures with air.

Information on general hygiene measures in the workplace

Take off contaminated clothing. Wash hands before breaks and at the end of work. Do not eat, drink, smoke or snuff at the workplace.

Further information on handling

Heating causes pressure to rise and may result in bursting.

7.2. Conditions for safe storage taking into account incompatibilities

Requirements for storage rooms and containers

Store containers in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. No smoking.

Storage instructions

Do not store together with: oxidising agents. Pyrophoric or self-heating hazardous substances.

Further information on storage conditions

Keep away from food, drink and animal feed.
Storage class according to TRGS 510: 2B (aerosol dispensers and lighters)

7.3. Specific end uses

Lubricants, greases and release agents

SECTION 8: Exposure controls/personal protection

8.1. Parameters to be monitored

Occupational limit values

CAS No.	Designation	ppm	mg/m³	F/m³	Peak limiting factor	Note	Type
106-97-8	Butane	1000	2400		4(II)		TRGS 900
-	Hydrocarbon mixtures, fractions (RCP group): C9-C14 Aliphatic compounds		300		2(II)		TRGS 900
74-98-6	Propane	1000	1800		4(II)		TRGS 900

DNEL/DMEL values

CAS No.	Designation			
DNEL type		Route of exposure	Effect	Value
64742-53-6	Distillates (petroleum), hydrotreated light naphthenic			
Worker DNEL, long term		inhalative	systemic	2.73 mg/m³
Worker DNEL, long term		inhalative	local	5.58 mg/m³
Worker DNEL, long term		dermal	systemic	0.97 mg/kg KG/d
Consumer DNEL, long-term		inhalative	local	1.19 mg/m³
Consumer DNEL, long-term		oral	systemic	0.74 mg/kg KG/d

PNEC values

CAS No.	Designation	
Environmental compartment		Value
64742-53-6	Distillates (petroleum), hydrotreated light naphthenic	
Secondary poisoning		9.33 mg/kg

8.2. Exposure controls

Individual protective measures, for example personal protective equipment

Eye/face protection

Wear eye protection/face protection. Suitable eye protection: Goggles (EN ISO 16321)

Hand protection

When handling chemical substances, only chemical protective gloves with a CE mark and a four-digit test number may be worn. Chemical protective gloves must be selected for specific workplaces depending on the concentration and quantity of hazardous substances.
Recommended material: butyl rubber (0.5 mm),
Breakthrough time: ≥ 240 min EN ISO 374
It is recommended to check the chemical resistance of the above protective gloves for specific applications with the glove manufacturer.

Body protection

Wear antistatic shoes and work clothes.

Respiratory protection

Wear respiratory protection if ventilation is inadequate. Suitable respiratory protective equipment: combination filter device A-P2

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical condition:	Liquid
Colour:	light brown
Smell:	according to: mineral oil
Melting point/freezing point:	not applicable
Boiling point or initial boiling point and Boiling range:	< -20°C
Flammability:	not specified
Lower explosion limit:	0.6% by volume
Upper explosion limit:	10.9% by volume
Flash point:	< -20°C
Ignition temperature:	> 200°C
Decomposition temperature:	not specified
pH value:	not applicable

Kinematic viscosity:	not specified
Water solubility:	practically insoluble
(at 20°C)	
Solubility in other solvents	
not specified	
Distribution coefficient	not specified
n-octanol/water:	
Vapour pressure:	not specified
Density (at 20°C):	0.7 g/cm^3
Relative vapour density:	not specified
Particle properties:	not applicable

9.2. Other information

Information on physical hazard classes

Explosion hazards

Heating may cause an explosion.

Oxidising properties

The product is not: oxidising.

Other safety-related parameters

Evaporation rate:	not specified
Solids content:	not specified
Dynamic viscosity:	not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol. Container is pressurised: may burst if heated.

10.2. Chemical stability

No dangerous reactions are known.

10.3. Possibility of dangerous reactions

No hazardous reactions occur during proper handling and storage.

10.4. Conditions to avoid

Keep away from heat sources (e.g. hot surfaces), sparks and open flames. Vapours may form explosive mixtures with air.

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No dangerous decomposition products are known.

SECTION 11: Toxicological information

11.1. Information on hazard classes within the meaning of Regulation (EC) No. 1272/2008

Acute toxicity

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

ATEmix calculates

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No.	Designation				
	Route of exposure	Dose	Species	Source	Method
	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1995)	OECD Guideline 401
	dermal	LD50 > 2200 - 2500 mg/kg	Rabbit	Study report (1961)	Standard acute method, applying 4 differ
	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1995)	OECD Guideline 401
	dermal	LD50 > 2200 - 2500 mg/kg	Rabbit	Study report (1961)	Standard acute method, applying 4 differ
64742-53-6	Distillates (petroleum), hydrotreated light naphthenic				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1982)	OECD Guideline 401
	dermal	LD50 > 5000 mg/kg	Rabbit	Study report (1982)	OECD Guideline 402

Irritant and corrosive effect

Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.
Repeated contact may cause skin to become dry or cracked.

Sensitising effects

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

Carcinogenic, mutagenic and teratogenic effects

Germ cell mutagenicity: Based on the 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.

Specific target organ toxicity after single exposure

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

Specific target organ toxicity after repeated exposure

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

Aspiration hazard

May be fatal if swallowed and enters the respiratory tract.

11.2. Information on other hazards

Endocrine-disrupting properties

This product does not contain any substances that exhibit endocrine properties in humans as none of its ingredients meet the criteria.

SECTION 12: Environmental information

12.1. Toxicity

May be harmful to aquatic organisms with long-lasting effects.

CAS No.	Designation						
	Aquatic toxicity	Dose		[h] | [d]	Species	Source	Method
	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics						
	Acute algal toxicity	ErC50	> 1000 mg/l	72 hours	Pseudokirchneriella subcapitata	REACh Registration Dossier	OECD Guideline 201
	Fish toxicity	NOEC	0.217 mg/l	28 d	Oncorhynchus mykiss	REACh Registration Dossier	The aquatic toxicity was estimated by a
	Crustacean toxicity	NOEC	1 mg/l	21 d	Daphnia magna	REACh Registration Dossier	OECD Guideline 211
	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics						
	Acute fish toxicity	LC50	> 76800 mg/l	96 hours	Fathead minnow	REACh Registration Dossier	other: EPA/600/4-90/027 F
	Acute algal toxicity	ErC50	> 1000 mg/l	72 hours	Raphidocelis subcapitata	REACh Registration Dossier	OECD Guideline 201
	Acute Crustacean toxicity	EL50 mg/l	> 100	48 hours	Daphnia magna	Study report (2014)	OECD Guideline 202
	Fish toxicity	NOEC	>= 100 mg/l	32 d	Fathead minnow	REACh Registration Dossier	OECD Guideline 210
	Crustacean toxicity	NOEC	> 1 mg/l	21 d	Daphnia magna	REACh Registration Dossier	OECD Guideline 211
64742-53-6	Distillates (petroleum), hydrotreated light naphthenic						
	Acute fish toxicity	LL50 mg/l	> 100	96 hours	Fathead minnow	Study report (1995)	OECD Guideline 203
	Acute Crustacean toxicity	EC50	> 10,000 mg/l	48 hours	Daphnia magna	OECD Guideline 202	
	Fish toxicity	NOEC	>=1000 mg/l	14 d	Oncorhynchus mykiss	CONCAWE, Brussels, Belgium (2010)	The aquatic toxicity was estimated by a
	Algal toxicity	NOEC	>100 mg/l	3 d	Pseudokirchneriella subcapitata		
	Crustacean toxicity	NOEC	>10 mg/l	21 d	Daphnia magna (large water flea)		

12.2. Persistence and degradability

The product has not been tested.

CAS No.	Designation			
	Method	Value	d	Source
	Evaluation			
	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics			
	Biological degradation	31.3%	28	
	Biodegradable.			

12.3. Bioaccumulation potential

The product has not been tested.

Distribution coefficient n-octanol/water

CAS No.	Designation	Log Pow
	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	>= 1.99
	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	>= 1.99
106-97-8	Butane	2.89
74-98-6	Propane	2.36
64742-53-6	Distillates (petroleum), hydrotreated light naphthenic	>3.5

BCF

CAS No.	Designation	BCF	Species	Source
	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	>= 6.91	mathematically	REACh Registration D
	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	>= 6.91	mathematically	REACh Registration D

12.4. Mobility in the soil

The product has not been tested.

12.5. Results of the PBT and vPvB assessment

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

12.6. Endocrine-disrupting properties

This product does not contain any substances that exhibit endocrine properties in non-target organisms as none of the ingredients meet the criteria.

12.7. Other harmful effects

No information is available.

Further information

Avoid release into the environment.

SECTION 13: Disposal information

13.1. Waste treatment process

Recommendations for disposal

Do not allow to enter drains or water bodies. Dispose of in accordance with official regulations.

Waste code - unused product

160504 WASTE NOT OTHERWISE SPECIFIED IN THIS LIST; gases in pressure containers and used chemicals; gases in pressure containers containing dangerous substances (including halons); hazardous waste

Disposal of uncleaned packaging and recommended cleaning agents

Completely emptied packaging can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: UN 1950

14.2. Proper UN shipping name: PRESSURE GAS PACKAGING

14.3. Transport hazard classes: 2

14.4. Packaging group: -

Hazard label: 2.1



Classification code: 5F

Special regulations:	190 327 344 625
Limited quantity (LQ):	1 litre
Exempt quantity:	E0
Transport category:	2
Tunnel restriction code:	D

Inland waterway transport (ADN)

14.1. UN number or ID number:	UN 1950
14.2. Orderly	PRESSURE GAS PACKAGING
UN shipping designation:	
14.3. Transport hazard classes:	2
14.4. Packaging group:	-
Hazard label:	2.1



Classification code:	5F
Special regulations:	190 327 344 625
Limited quantity (LQ):	1 litre
Exempt quantity:	E0

Marine transport (IMDG)

14.1. UN number or ID number:	UN 1950
14.2. Orderly	AEROSOLS
UN shipping designation:	
14.3. Transport hazard classes:	2.1
14.4. Packaging group:	-
Hazard label:	2.1



Special regulations:	63 190 277 327 344 381 959
Limited quantity (LQ):	1000 ml
Exempt quantity:	E0
EmS:	F-D, S-U

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	UN 1950
14.2. Orderly	AEROSOLS, FLAMMABLE
UN shipping designation:	
14.3. Transport hazard classes:	2.1
14.4. Packaging group:	-
Hazard label:	2.1



Special regulations:	A145 A167 A802

Limited quantity (LQ) Passenger:	30 kg G	
Passenger LQ:	Y203	
Exempt quantity:	E0	
lATA packaging instructions - Passenger:		203
IATA maximum quantity - Passenger:		75 kg
lATA packaging instructions - Cargo:		203
IATA maximum quantity - Cargo:		150 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for the user

Caution: Flammable gases.

14.7. Bulk transport by sea in accordance with IMO instruments

not applicable

SECTION 15: Legal provisions

15.1. Safety, health and environmental protection regulations/specific legal provisions for the substance or mixture

EU regulations

Restrictions on use (REACH, Annexe XVII):
Entry 3, Entry 28, Entry 40

Directive 2010/75/EU on industrial emissions:	85.546% (598.822 g/l)
Directive 2004/42/EC on VOCs from paints and varnishes:	85.546% (598.822 g/l)
Information on the SEVESO III Directive 2012/18/EU:	P3a FLAMMABLE AEROSOLS

Additional instructions

Please note: 850/2004/EC, 1107/2009/EC, 649/2012/EC
Aerosol Directive (75/324/EEC).

National regulations

Employment restriction:	Observe employment restrictions for youth (Section 22 of German Youth Employment Protection Act (JArbSchG)).
Water hazard class:	1 - slightly hazardous to water
Status:	Classification of mixtures in accordance with Annexe 1, No. 5 of Plant regulations for handling substances hazardous to water (AwSV)

15.2. Substance safety assessment

Substance safety assessments for substances in this mixture have not been carried out.

SECTION 16: Other information

Changes

This data sheet contains changes to the previous version in section(s): 2, 9.

Abbreviations and acronyms

Flam. Gas: Flammable gases
Aerosol: Aerosols
Liquefied gas
Flam. Liq: Flammable liquids
Asp. Tox: Aspiration hazard
Aquatic Chronic: Chronic hazardous to water
ADR: Accord europeen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
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
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%
CLP: Classification, Labelling and Packaging
REACH: Registration, Evaluation and Authorization of Chemicals
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
UN: United Nations
DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration
ATE: Acute toxicity estimate
LL50: Lethal loading, 50%
EL50: Effect loading, 50%
EC50: Effective Concentration 50%
ErC50: Effective Concentration 50%, growth rate
NOEC: No Observed Effect Concentration
BCF: Bio-concentration factor
PBT: persistent, bioaccumulative, toxic
vPvB: very persistent, very bioaccumulative
RID: Regulations concerning the international carriage of dangerous goods by rail
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord europeen relatif au transport international des marchandises dangereuses par voies de navigation interieures)
EmS: Emergency Schedules
MFAG: Medical First Aid Guide
ICAO: International Civil Aviation Organization
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
VOC: Volatile Organic Compounds
SVHC: Substance of Very High Concern
EC/EEC: European Community/European Economic Community
EU: European Union
M factor: Multiplication factor
IATA: International Air Transport Association
DGR: Dangerous Goods Regulations
ICAO: International Civil Aviation Organization
TI: Technical Instructions
VOC: Volatile Organic Compound
For abbreviations and acronyms, see ECHA: Guidance on information requirements and chemical safety assessment, Chapter R.20 (List of terms and abbreviations).

Classification of mixtures and assessment method used in accordance with Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Aerosol 1; H222-H229	Based on test data
Asp. Tox. 1; H304	Calculation method
Aquatic Chronic 4; H413	Calculation method

Wording of the H and EUH statements (number and full text)

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H226	Liquid and vapour flammable.
H229	Container is pressurised: may burst if heated.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters the respiratory tract.
H413	May be harmful to aquatic organisms with long-lasting effects
EUH066	Repeated contact may cause skin to become dry or cracked.

Further information

The information is based on our current state of knowledge, but does not constitute a guarantee of product properties and does not establish a contractual legal relationship.

Existing laws and regulations must be observed by the recipient of our products on their own responsibility.

(The data for the relevant components was taken from the latest valid safety data sheet provided by the upstream supplier.)