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according to UK REACH Regulation

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

1.1. Product identifier

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

Use of the substance/mixture

Aerosol

Lubricant, lubrifiants and release products

Uses advised against

Any non-intended use.

1.3. Details of the supplier of the safety data sheet

Company name: Meusburger Georg GmbH & Co KG

Street: Kesselstrasse 42
Place: A-6960 Wolfurt

Telephone: +43 5574 6706-0 Telefax: +43 5574 6706-12

e-mail: office@meusburger.com Internet: www.meusburger.com

Responsible Department: Dr. Gans-Eichler e-mail: info@tge-consult.de

Chemieberatung GmbH Tel.: +49 2534 41594-0
Otto-Hahn-Str. 36 www.tge-consult.de

D-48161 Muenster

1.4. Emergency telephone Poison Information Center Mainz, Germany, Tel: +49(0)6131/19240

number:

Further Information

Safety Data Sheet according to UK-REACH Regulation

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Aerosol 1; H222-H229 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane

Signal word: Danger



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Pictograms:





Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful 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.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

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

P302+P352 IF ON SKIN: Wash with plenty of water.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

2.3. Other hazards

The mixture contains the following substances fulfilling the PBT criteria according to UK REACH:

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene.

The substance is suspected to fulfil the PBT criteria. The substance is listed in the PBT assessment list, but the assessment is still ongoing (ECHA).

This product does not contain a substance (> 0.1 %) that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

mazarada componento		
CAS No	Chemical name	Quantity
EC No	GHS Classification	
REACH No		
Index No		
106-97-8	butane	25 - 50 %
203-448-7	Flam. Gas 1, Compressed gas; H220 H280	
01-2119474691-32		
601-004-00-0		
	Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane	10 - < 25 %



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921-024-6 01-2119475514-35	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411	
74-98-6 200-827-9 01-2119486944-21 601-003-00-5	propane Flam. Gas 1, Compressed gas; H220 H280	2,5 - 10 %
75-28-5 200-857-2 01-2119485395-27 601-004-00-0	isobutane Flam. Gas 1, Compressed gas; H220 H280	2,5 - 10 %
68411-46-1 270-128-1 01-2119491299-23	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene Repr. 2, Aquatic Chronic 3; H361f H412	0,5 - < 2,5 %

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

Specific Conc. Limits. M-factors and ATE

Specific coi	ic. Lillins, ivi-la	ictors and ATE	
CAS No	EC No	Chemical name	Quantity
	Specific Conc	Limits, M-factors and ATE	
106-97-8	203-448-7	butane	25 - 50 %
	inhalation: LC	C50 = >800000 (15min) ppm (gases)	
	921-024-6	Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane	10 - < 25 %
	inhalation: LC mg/kg	C50 = > 25,2 mg/l (vapours); dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000	
74-98-6	200-827-9	propane	2,5 - 10 %
	inhalation: LC	C50 = 800000 ppm (gases)	
75-28-5	200-857-2	isobutane	2,5 - 10 %
	inhalation: LC	C50 = 520400 (120 min) ppm (gases)	
68411-46-1	270-128-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	0,5 - < 2,5 %
	dermal: LD50) = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg	

Further Information

Product does not contain listed SVHC substances > 0.1 % according to UK REACH.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.



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After contact with skin

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

If swallowed, immediately drink: Water. Never give anything by mouth to an unconscious person or a person with cramps. Do NOT induce vomiting. Caution if victim vomits: Risk of aspiration! Call a physician immediately.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO2). Sand. Extinguishing powder.

Unsuitable extinguishing media

Water

5.2. Special hazards arising from the substance or mixture

Combustible. Vapours may form explosive mixtures with air. Can be released in case of fire: Carbon dioxide (CO2). Carbon monoxide (CO).

5.3. Advice for firefighters

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

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains. In case of fire and/or explosion do not breathe fumes.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Ventilate affected area. Remove all sources of ignition. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes.

For non-emergency personnel

Wear personal protection equipment (refer to section 8).

For emergency responders

Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Explosion hazard. Eliminate leaks immediately. Prevent spread over a wide area (e.g. by containment or oil barriers). In case of gas escape or of entry into waterways,



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soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

For containment

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.

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

Use only in well-ventilated areas. Take precautionary measures against static discharges. Do not spray on naked flames or any incandescent material. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches.

Wear suitable protective clothing. (See section 8.)

Advice on protection against fire and explosion

Keep away from sources of ignition. - No smoking. Heating causes rise in pressure with risk of bursting.

Advice on general occupational hygiene

Always close containers tightly after the removal of product.

Do not eat, drink, smoke or sneeze at the workplace.

Wash hands before breaks and after work.

Further information on handling

General protection and hygiene measures: refer to chapter 8

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Keep away from sources of ignition. - No smoking. Provide adequate ventilation.

Hints on joint storage

Do not store together with: Explosives. Flammable solids. Pyrophoric liquids and solids. Self-heating substances and mixtures. Substances and mixtures which, in contact with water, emit flammable gases. Oxidizing liquids. Oxidizing solids. Self-reactive substances and mixtures. Organic peroxides. Radioactive substances.

Infectious substances.

Further information on storage conditions

Recommended storage temperature: 10-30 °C. Do not store at temperatures over: 50 °C Note: Storage requirements for flammable aerosols.

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters



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Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL

DNEL/DMEL values

CAS No	Substance	-	_	-
DNEL type		Exposure route	Effect	Value
Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane				
Worker DNEL,	long-term	inhalation	systemic	2 035 mg/m³
Worker DNEL,	long-term	dermal	systemic	773 mg/kg bw/day
Consumer DNE	EL, long-term	inhalation	systemic	608 mg/m³
Consumer DNE	EL, long-term	dermal	systemic	699 mg/kg bw/day
Consumer DNEL, long-term oral systemic			systemic	699 mg/kg bw/day
68411-46-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trime	ethylpentene		
Consumer DNE	EL, long-term	inhalation	systemic	0,14 mg/m³
Consumer DNE	EL, long-term	dermal	systemic	0,04 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,04 mg/kg bw/day
Worker DNEL, long-term		dermal	systemic	0,08 mg/kg bw/day
Worker DNEL, long-term inhalation systemic 0,6 mg/m³				0,6 mg/m³

PNEC values

CAS No	Substance		
Environmental compartment Value			
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene			
Freshwater		0,034 mg/l	
Freshwater (intermittent releases) 0,51 mg/l			
Marine water 0,003 mg/l			
Freshwater sediment 0,446 mg/kg			
Marine sediment 0,045 mg/kg			
Micro-organisms in sewage treatment plants (STP) 10 mg/l			
Soil 1,76 mg/kg			

8.2. Exposure controls







Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection



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equipment.

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible).

Hand protection

In case of prolonged or frequently repeated skin contact: Wear suitable gloves.

Suitable material:

NBR (Nitrile rubber). (0,35 mm)

Breakthrough time >480 min

The selected protective gloves have to satisfy the specifications of the Personal Protective Equipment at Work (Amendment) Regulations 2022 and the standard EN ISO 374.

Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Protective clothing.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

Exceeding exposure limit values

Insufficient ventilation

Suitable respiratory protective equipment: FFA2P3D; EN405:2002

Use only respiratory protection equipment with CE-symbol including four digit test number.

Thermal hazards

No special precautionary measures are necessary.

Environmental exposure controls

Do not allow uncontrolled discharge of product into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Aerosol
Colour: yellow
Odour: characteristic
Odour threshold: not determined

Melting point/freezing point:

Boiling point or initial boiling point and

not determined
not determined

boiling range:

Flammability:

Lower explosion limits:

1 vol. %

Upper explosion limits:

10,9 vol. %

Flash point:

-60 °C

Auto-ignition temperature:

not determined

Decomposition temperature:

not determined

pH-Value:

not determined



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Viscosity / kinematic: not determined
Water solubility: insoluble

Solubility in other solvents

not determined

Dissolution rate:

Partition coefficient n-octanol/water:

Dispersion stability:

Vapour pressure:

not relevant
not determined
not relevant
3600 hPa

(at 20 °C)

Density (at 20 °C): 0,7 g/cm³

Bulk density: not determined

Relative vapour density: not determined

Particle characteristics: not determined

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

Sustaining combustion: No data available

Self-ignition temperature

Solid: not relevant Gas: not determined

Oxidizing properties

none

Other safety characteristics

Evaporation rate: not determined Solvent separation test: not determined Solvent content: not determined Solid content: not determined Sublimation point: not determined Softening point: not determined Pour point: not determined Viscosity / dynamic: 3600 mPa·s

(at 20 °C)

Flow time: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

Refer to chapter 10.5.

10.4. Conditions to avoid

Keep away from heat.

lanition hazard.

Heating causes rise in pressure with risk of bursting.



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10.5. Incompatible materials

Oxidizing agents, strong.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

Further information

In use, may form flammable/explosive vapour-air mixture.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Toxicocinetics, 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			
106-97-8	butane								
	inhalation gas	LC50 (15min) ppm	>800000 า		ECHA dossier				
	Hydrocarbons, C6-C7, n	-alkanes, iso-a	alkanes, cy	clics, <5% n-hexane					
	oral	LD50 mg/kg	>2000	Rat.	ECHA dossier	read-across			
	dermal	LD50 mg/kg	>2000	Rabbit	ECHA dossier	read-across			
	inhalation (4 h) vapour	LC50 mg/l	> 25,2	Rat.	ECHA dossier	OECD 403			
74-98-6	propane								
	inhalation gas	LC50 ppm	800000	Rat	ECHA dossier	15 min			
75-28-5	isobutane					_			
	inhalation gas	LC50 (120 min) pp	520400 om	Mouse.	ECHA dossier				
68411-46-1	Benzenamine, N-phenyl-	, reaction pro	ducts with 2	2,4,4-trimethylpentene					
	oral	LD50 mg/kg	> 5000	Rat	ECHA dossier	OECD 401			
	dermal	LD50 mg/kg	> 2000	Rat	ECHA dossier	OECD 402			

Irritation and corrosivity

Causes skin irritation.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

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.



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butane:

In-vitro mutagenicity:

Method: OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)

Result: negative.

Literature information: ECHA dossier

Reproductive toxicity:

Method: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction /

Developmental Toxicity Screening Test)

Species: Rat

Results: NOAEC = 9000 ppm(21394 mg/m3)

Literature information: ECHA dossier Developmental toxicity/teratogenicity:

Method: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction /

Developmental Toxicity Screening Test)

Species: Rat

Results: NOAEC = 9000 ppm. Literature information: ECHA dossier

propane:

In-vitro mutagenicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay) Result: negative.

Literature information: ECHA dossier

Reproductive toxicity: Method: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the

Reproduction / Developmental Toxicity Screening Test)

Species: Rat Exposure duration: 6 w. Results: NOAEC = 12000 ppm.

Literature information: ECHA dossier

Developmental toxicity/teratogenicity: Method: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)Species: Rat Results: NOAEC = 12000 ppm.

Literature information: ECHA dossier

isobutane:

In vitro mutagenicity/genotoxicity: No experimental indications of mutagenicity in-vitro exist. Reproductive toxicity: NOAEC = 3000 ppm (OECD Guideline 422) Developmental toxicity/teratogenicity: NOAEC = 9000 ppm

(OECD Guideline 422)

Literature information: ECHA dossier

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene:

In-vitro mutagenicity:

Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Result: negative.

Literature information: ECHA dossier

Reproductive toxicity:

Method: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction/Developmental

Toxicity Screening Test)

Species: Rat

Exposure duration: male: 28 d, female: 53 d.

Results: NOAEL = 25 mg/kg

Literature information: ECHA dossier Developmental toxicity/teratogenicity: Method: other guideline: OECD 422

Species: Rat

Exposure duration: male: 28 d, female: 53 d.



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Results: NOAEL = 25 mg/kg Literature information: ECHA dossier

STOT-single exposure

May cause drowsiness or dizziness. (Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane)

STOT-repeated exposure

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

butane:

Subacute inhalative toxicity:

Method: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction /

Developmental Toxicity Screening Test)

Species: Rat

Exposure duration: 6 w.

Result: NOAEC = 9000 ppm(21394 mg/m3) Literature information: ECHA dossier

Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane:

Subacute inhalative toxicity:

Method: -Species: Rat

Exposure duration: 3 d.

Result: NOAEC = 4200 mg/m3. Literature information: ECHA dossier

propane:

Subacute inhalative toxicity: Method: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) Species: Rat Exposure duration: 6 w. Result: NOAEC

= 94000 ppm (7214 mg/m3)

Literature information: ECHA dossier

isobutane:

Method: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction/Developmental

Toxicity Screening Test); Result: NOAEC = 4000 ppm

Literature information: ECHA dossier

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene:

Subacute oral toxicity:

Method: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction/Developmental

Toxicity Screening Test)

Species: Rat

Exposure duration: male: 28 d, female: 53 d.

Results: NOAEL =25 mg/kg

Literature information: ECHA dossier

Aspiration hazard

May be fatal if swallowed and enters airways.

Specific effects in experiment on an animal

No information available.

11.2. Information on other hazards



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Endocrine disrupting properties

This product does not contain a substance (> 0.1 %) that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Other information

No data available.

SECTION 12: Ecological information

12.1. Toxicity

The product has not been tested.

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method
106-97-8	butane						
	Acute fish toxicity	LC50 mg/l	49,9	96 h	Fish	ECHA dossier	
	Acute algae toxicity	ErC50 mg/l	19,37	96 h	algae	ECHA dossier	
	Acute crustacea toxicity	EC50 mg/l	69,43	48 h	Daphnia magna	ECHA dossier	
	Hydrocarbons, C6-C7, n-	alkanes, iso	-alkanes, cyc	clics, <5%	6 n-hexane		
	Acute fish toxicity	LC50 mg/l	11,4	96 h	Oncorhynchus mykiss	ECHA dossier	OECD 203
	Acute algae toxicity	ErC50	30 mg/l	72 h	Pseudokirchneriella subcapitata	ECHA dossier	OECD 201
	Acute crustacea toxicity	EC50	3 mg/l	48 h	Daphnia magna	ECHA dossier	OECD 202
74-98-6	propane						
	Acute fish toxicity	LC50 mg/l	49,9	96 h	Fish	ECHA dossier	
	Acute algae toxicity	ErC50 mg/l	19,37	96 h	algae	ECHA dossier	
	Acute crustacea toxicity	EC50 mg/l	69,43	48 h	Daphnia magna	ECHA dossier	
75-28-5	isobutane						
	Acute fish toxicity	LC50 mg/l	49,9	96 h	Fish	ECHA dossier	
	Acute algae toxicity	ErC50 mg/l	19,37	96 h	algae	ECHA dossier	
	Acute crustacea toxicity	EC50 mg/l	69,43	48 h	Daphnia magna	ECHA dossier	
68411-46-1	Benzenamine, N-phenyl-,	reaction pro	oducts with 2	,4,4-trim	ethylpentene		
	Acute fish toxicity	LC50 mg/l	> 100	96 h	Danio rerio	ECHA dossier	OECD 203
	Acute algae toxicity	ErC50 mg/l	> 100	72 h	Desmodesmus subspicatus	ECHA dossier	OECD 201
	Acute crustacea toxicity	EC50	51 mg/l	48 h	Daphnia magna	ECHA dossier	OECD 202
	Acute bacteria toxicity	(EC50 mg/l)	>100	3 h	activated sludge, domestic	ECHA dossier	OECD 209



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12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name					
	Method Value d Source					
	Evaluation		-			
	Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n	hexane				
	OECD 301F / ISO 9408 / EEC 92/69 annex V, C.4-D 98% 28 ECHA dossier					
	Easily biodegradable (concerning to the criteria of the OECD)					
68411-46-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimeth	ylpentene				
	OECD 301B / ISO 9439 / EEC 92/69 annex V, C.4-C 1 % 28 ECHA dossier					
	Not readily biodegradable (according to OECD criteria)					

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
106-97-8	butane	1,09
	Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane	2,89
74-98-6	propane	2,36
75-28-5	isobutane	1,09
68411-46-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	6,66

BCF

CAS No	Chemical name	BCF	Species	Source
	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	4176	Cyprinus carpio - 0.01 mg/L	United States Enviro

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The mixture contains the following substances fulfilling the PBT criteria according to UK REACH:

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene.

The substance is suspected to fulfil the PBT criteria. The substance is listed in the PBT assessment list, but the assessment is still ongoing (ECHA).

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation.

Non-contaminated packages may be recycled.

According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must



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be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

List of Wastes Code - residues/unused products

140603 WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (EXCEPT 07 AND 08);

waste organic solvents, refrigerants and foam/aerosol propellants; other solvents and solvent

mixtures; hazardous waste

List of Wastes Code - used product

140603 WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (EXCEPT 07 AND 08);

waste organic solvents, refrigerants and foam/aerosol propellants; other solvents and solvent

mixtures; hazardous waste

List of Wastes Code - contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND

PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately

collected municipal packaging waste); metallic packaging

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: UN 1950 **14.2. UN proper shipping name:** AEROSOLS

14.3. Transport hazard class(es):214.4. Packing group:-Hazard label:2.1



Classification code: 5F

Special Provisions: 190 327 344 625

Limited quantity: 1 L
Excepted quantity: E0
Transport category: 2
Tunnel restriction code: D

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 1950 **14.2. UN proper shipping name:** AEROSOLS

14.3. Transport hazard class(es):214.4. Packing group:-Hazard label:2.1



Classification code: 5F

Special Provisions: 190 327 344 625

Limited quantity: 1 L
Excepted quantity: E0



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Marine transport (IMDG)

14.1. UN number or ID number:UN 195014.2. UN proper shipping name:AEROSOLS

14.3. Transport hazard class(es):2.114.4. Packing group:-Hazard label:2.1

Marine pollutant: NC

Special Provisions: 63, 190, 277, 327, 344, 381, 959

Limited quantity: 1000 mL Excepted quantity: E0 EmS: F-D, S-U

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 1950

14.2. UN proper shipping name: AEROSOLS, flammable

14.3. Transport hazard class(es):2.114.4. Packing group:-Hazard label:2.1



Special Provisions: A145 A167 A802

Limited quantity Passenger: 30 kg G
Passenger LQ: Y203
Excepted quantity: E0

IATA-packing instructions - Passenger:203IATA-max. quantity - Passenger:75 kgIATA-packing instructions - Cargo:203IATA-max. quantity - Cargo:150 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Refer to section 6 - 8

14.7. Maritime transport in bulk according to IMO instruments

not applicable

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 3, Entry 28, Entry 29, Entry 40

2010/75/EU (VOC): not determined 2004/42/EC (VOC): not determined



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Information according to 2012/18/EU

P3a FLAMMABLE AEROSOLS

(SEVESO III):

Additional information

Safety Data Sheet according to UK-REACH Regulation

UK Aerosols Regulation

UK REACH Appendix XVII, No (mixture): 3, 40

The mixture is classified as hazardous according to GHS (GB CLP).

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile

work protection guideline' (94/33/EC).

Water hazard class (D): 2 - obviously hazardous to water

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane

propane isobutane

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

SECTION 16: Other information

Changes

Rev. 1,0; Initial release 11.05.2018

Rev. 2,0; Revision 06.04.2020 Changes in chapter: 2-16 Rev. 3,0; Revision 06.03.2023 Changes in chapter: 1-16

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)

CAS: Chemical Abstracts Service

CLP: Classification, Labeling, Packaging

DNEL: Derived No Effect Level

d: day(s)

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

ECHA: European Chemicals Agency

ECOSAR: Ecological Structure Activity Relationships

EWC: European Waste Catalogue

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

OECD: Organisation for Economic Co-operation and Development

PNEC: Predicted No Effect Concentration

PBT: Persistent, bio-cumulative, toxic

QSAR: Quantitative Structure-Activity Relationship

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail



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SVHC: Substance of Very High Concern TRGS: Technische Regeln für Gefahrstoffe

UN: United Nations

vPvB: very persistent and very bio-cumulative

VOC: Volatile Organic Compounds

w: week(s)

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure	
Aerosol 1; H222-H229	On basis of test data	
Asp. Tox. 1; H304	Calculation method	
Skin Irrit. 2; H315	Bridging principle "Aerosols"	
STOT SE 3; H336	Bridging principle "Aerosols"	
Aquatic Chronic 3; H412	Calculation method	

Relevant H and EUH statements (number and full text)

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Further Information

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.)