

Safety Data Sheet

according to Regulation (EC) No 1907/2006



825038_776366_4361099_Blitz_Politur_Spray

Revision date: 24.04.2019

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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
care products

1.3. Details of the supplier of the safety data sheet

Company name: Technolit GmbH
Street: Industriestr. 8
Place: D-36137 Großenlüder
Telephone: +49 (0) 66 48 / 69-0
e-mail: info@technolit.de
Internet: www.technolit.de

Telefax: +49 (0) 66 48 / 69-5 69

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:
Aerosol: Aerosol 1
Aspiration hazard: Asp. Tox. 1
Serious eye damage/eye irritation: Eye Irrit. 2
Specific target organ toxicity - repeated exposure: STOT RE 1
Hazardous to the aquatic environment: Aquatic Chronic 3
Hazard Statements:
Extremely flammable aerosol.
Pressurised container: May burst if heated.
May be fatal if swallowed and enters airways.
Causes serious eye irritation.
Causes damage to organs through prolonged or repeated exposure.
Harmful to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Hydrocarbons, C9-C12, n-alkane, iso-alkane, cyclic, aromates (2-25%)

Signal word: Danger

Pictograms:



Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H319	Causes serious eye irritation.
H372	Causes damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.

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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.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314	Get medical advice/attention if you feel unwell.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of this material and its container to hazardous or special waste collection point.

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
75-28-5	isobutane			10 - 25 %
	200-857-2	601-004-00-0	01-2119485395-27	
	Flam. Gas 1, Compressed gas; H220 H280			
74-98-6	propane			10 - 25 %
	200-827-9	601-003-00-5	01-2119486944-21	
	Flam. Gas 1, Compressed gas; H220 H280			
	Hydrocarbons, C9-C12, n-alkane, iso-alkane, cyclic, aromates (2-25%)			10 - 25 %
	919-446-0		01-2119458049-33	
68425-47-8	Diethanolamide, Soya			2,5 - 10 %
	270-355-6			
	Skin Irrit. 2, Eye Dam. 1; H315 H318			
64742-82-1	Naphtha (petroleum), hydrotreated, heavy			<2,5 %
	265-185-4		01-2119458049-33	
	STOT RE 1, Asp. Tox. 1; H372 H304			

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Immediately remove any contaminated clothing, shoes or stockings.

After inhalation

Remove casualty to fresh air and keep warm and at rest. Loosen tight clothing. When in doubt or if symptoms are observed, get medical advice.

After contact with skin

Immediately remove any contaminated clothing, shoes or stockings. After contact with skin, wash immediately with plenty of water and soap. Solvents/Thinner do not use. In case of skin reactions, consult a physician.

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After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

not applicable

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

No data 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

Dry extinguishing powder, Foam, Carbon dioxide (CO₂), Water mist.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Extremely flammable. Vapours may form explosive mixtures with air. In case of fire: Dense, black smoke, which can cause damage to health. Formation of: Carbon monoxide, Carbon dioxide (CO₂).

5.3. Advice for firefighters

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

Additional information

Cool endangered containers/receptacles with water spray jet. Pressurised container: May burst if heated.
Danger of explosion!

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Do not breathe vapour/aerosol. Wear suitable protective clothing. Avoid substance contact.

6.2. Environmental precautions

Prevent seepage into sewage system, workpits and cellars. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Isolate and collect using non-combustible material (e.g. sand, soil, diatomite, vermiculite). Collect in closed and suitable containers for disposal. Secondary cleaning with cleaning agents. Do not use solvents.

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. Do not breathe vapour/aerosol. To avoid: Longer and intensive skin contact.
Do not spray into eyes.

Advice on protection against fire and explosion

Vapours form explosive mixtures with air. Vapours are heavier than air. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Do not spray on naked flames or any incandescent material.

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7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container in a well-ventilated place. Keep only in the original container. Recommended storage temperature: at room temperature. Containers which are opened, must be carefully resealed and kept upright.

Hints on joint storage

Do not store together with: Oxidising agent, strong

Further information on storage conditions

Heating causes rise in pressure with risk of bursting.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
DNEL type				
	Hydrocarbons, C9-C12, n-alkane, iso-alkane, cyclic, aromates (2-25%)			
Worker DNEL, long-term		inhalation	systemic	330 mg/m ³
Worker DNEL, long-term		dermal	systemic	44 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	71 mg/m ³
Consumer DNEL, long-term		dermal	systemic	26 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	26 mg/kg bw/day

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls



Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

Protective and hygiene measures

Avoid contact with skin, eyes and clothes. When using do not eat, drink or smoke. Wash hands before breaks and after work.

Eye/face protection

Tightly sealed safety glasses. DIN EN 166

Hand protection

Wear protective gloves. (solvent-resistant) DIN EN 374

Suitable material: NBR (Nitrile rubber)

Thickness of the glove material: 0,5 mm.

Breakthrough time (maximum wearing time): >480 min.

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. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

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Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Filter type: ABEK-P2 (EN 371)
For Propane in general: The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

Do not allow to enter into surface water or drains. Prevent further leakage or spillage, if possible without personal risk. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Aerosol
Colour:	colourless/clear
Odour:	characteristic

Test method

pH-Value:	not determined
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Changes in the physical state

Melting point:	not determined
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Initial boiling point and boiling range:	not determined
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Flash point:	-80 °C (Isobutane)
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Flammability

Solid:	not applicable
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Gas:	not determined
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Explosive properties

No data available

Lower explosion limits:	(Isobutane) 1,4 vol. %
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Upper explosion limits:	(Propane) 10,8 vol. %
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Auto-ignition temperature

Solid:	not applicable
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Gas:	not determined
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Decomposition temperature:	not determined
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Oxidizing properties

No data available

Vapour pressure:	not determined
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Density:	0,979 g/cm ³ (Active agent)
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Water solubility:	Not miscible or difficult to mix.
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Solubility in other solvents

No data available

Partition coefficient:	not determined
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Vapour density:	not determined
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Evaporation rate:	not determined
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Solvent content:	Solvents: 20%
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9.2. Other information

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Solid content:

not determined

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions. Vapours can form explosive mixtures with air. Danger of container-bursting resulting of high vapour pressure in case of temperature increase.

10.4. Conditions to avoid

Extremely flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Vapours form explosive mixtures with air. Vapours are heavier than air. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

10.5. Incompatible materials

Oxidising agent, strong

10.6. Hazardous decomposition products

In case of fire may be liberated: Fumes, Carbon monoxide, Carbon dioxide (CO₂).

Further information

Thermal decomposition: Heating causes rise in pressure with risk of bursting.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Hydrocarbons, C9-C12, n-alkane, iso-alkane, cyclic, aromates (2-25%)				
	oral	LD50 mg/kg	>15000	Rat	
	dermal	LD50 mg/kg	>3400	Rat	
68425-47-8	Diethanolamide, Soya				
	oral	LD50 mg/kg	>5000		

Irritation and corrosivity

Causes serious eye irritation.
Irritating to skin.

Sensitising effects

May cause sensitization by inhalation and skin contact.

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

STOT-repeated exposure

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

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Aspiration hazard

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

Practical experience

Other observations

Symptoms: Headache, Dizziness, drowsiness, Nausea, Vomiting. Vapours may cause drowsiness and dizziness.

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
	Hydrocarbons, C9-C12, n-alkane, iso-alkane, cyclic, aromates (2-25%)					
	Acute fish toxicity	LC50 mg/l	10-30	96 h		
	Acute algae toxicity	ErC50 mg/l	4,6-10	72 h		
	Crustacea toxicity	NOEC mg/l	0,097	21 d		
68425-47-8	Diethanolamide, Soya					
	Acute fish toxicity	LC50 mg/l	1-10	96 h		
	Acute algae toxicity	ErC50 mg/l	1-10			
	Acute crustacea toxicity	EC50 mg/l	>100	48 h		

12.2. Persistence and degradability

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
	Hydrocarbons, C9-C12, n-alkane, iso-alkane, cyclic, aromates (2-25%)			
		74,7%	28	
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
75-28-5	isobutane	2,8
74-98-6	propane	2,36

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

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

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Advice on disposal

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

Waste disposal number of 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

Empty thoroughly and completely, as far as possible. Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
14.4. 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: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
14.4. Packing group: -
Hazard label: 2.1



Classification code: 5F
Special Provisions: 190 327 344 625
Limited quantity: 1 L
Excepted quantity: E0

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

See section: 6, 7, 8.

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

No information available.

SECTION 15: Regulatory information

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

EU regulatory information

2004/42/EC (VOC):	48 % (364 g/l)
Information according to 2012/18/EU (SEVESO III):	P3a FLAMMABLE AEROSOLS

National regulatory information

Employment restrictions:	Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
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

Indication of changes: See section 9, 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)
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%
For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

Relevant H and EUH statements (number and full text)

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
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.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H372	Causes damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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

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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.)