Safety data sheet

1. Substance/preparation and company identification

Trade name:
Teflonspray
Application of the substance/ the preperation:
Lubricants, greases, release products
Uses advised against
Reserved for industrial and professional use.

BEIL
Kunststoffproduktions- und Handelsgesellschaft mbH
Lehmkuhlenweg 25
D- 31224 Peine
Telefon: +49 (0)5171/70 99-0
Telefax: +49 (0)5171/7099-29
E-Mail: service@beil-peine.de

Information in case of emergency:
Giftzentrale Göttingen
Tel.: +49 (0)551/19240
Telefax: +49 (0)551/3831881

2. Hazard identification

2.1 Classification of the substance or mixture

Regulation (EC) No 1272/2008
Hazard categories:
Aerosol: Aerosol 1
Serious eye damage/eye irritation: Eye Irrit. 2
Specific target organ toxicity - single exposure: STOT SE 3
Hazardous to the aquatic environment: Aquatic Chronic 2
Hazard Statements:
Extremely flammable aerosol.
Pressurised container: May burst if heated.
Causes serious eye irritation.
May cause drowsiness or dizziness.
Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008
Hazard components for labelling
Acetone, Isopropanol, Hydrocarbons
Signal word: Danger
Hazard pictograms


GHS02


GHS07


GHS09

Hazard statements
H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
Precautionary statements
P273 Avoid release to the environment.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P251 Do not pierce or burn, even after use.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271 Use only outdoors or in a well-ventilated area.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

3. Composition/information on ingredients

3.2 Mixtures

Dangerous components:

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha, <5% n-hexane			40-60%
	931-254-9			
	Flam. Liq. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H336 H304 H411			
67-64-1	acetone; propan-2-one; propanone			25-50%
	200-662-2	606-001-00-8		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
124-38-9	Carbondioxide			<10%
	204-696-9			
	Compressed gas; H280			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			1-10%
	200-661-7	603-117-00-0		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			

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

4. First-aid measures

4.1 Description of first aid measures

After inhalation: Provide fresh air. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
After skin contact: After contact with skin, wash immediately with: Water. Change contaminated clothing.
After eye contact: If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.
After ingestion: If swallowed, immediately drink: Water.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. Fire-fighting measures

Extinguishing media

5.1 Extinguishing media
Suitable extinguishing media
Carbon dioxide (CO2). Foam. Extinguishing powder.
Unsuitable extinguishing media
Water. Water with tenside additive.
5.2 Special hazards arising from the substance or mixture Risk of bursting in case of fire heat Combustible. Vapours may form explosive mixtures with air. Heating causes rise in pressure with risk of bursting.
5.3 Advice for firefighters
Wear a self-contained breathing apparatus and chemical protective clothing.
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.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Remove all sources of ignition. Provide adequate ventilation. Wear a self-contained breathing apparatus and chemical protective clothing.
6.2 Environmental precautions: Do not allow to enter into surface water or drains. Explosion hazard.
6.3 Methods and material for containment and cleaning up:
Ventilate affected area.

7. Handling and storage

7.1 Precautions for safe handling
Advice on safe handling
If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.
Advice on protection against fire and explosion
Keep ignition sources away - Dot smoke.
7.2 Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels
Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from sources of ignition. - No smoking.
Advice on storage compatibility
Do not store together with: Material, rich in oxygen, oxidizing.

8. Exposure controls and personal protection

8.1 Control parameters
Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
67-64-1	Acetone	500 1500	1210 3620		TWA (8 h) STEL (15 min)	WEL WEL
124-38-9	Carbon dioxide	5000 15000	9150 27400		TWA (8 h) STEL (15 min)	WEL WEL
67-63-0	Propan-2-ol	400 500	999 1250		TWA (8 h) STEL (15 min)	WEL WEL

8.2. Exposure controls
Appropriate engineering controls
If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.
Protective and hygiene measures
Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. When using do not eat or drink.
Eye/face protection

Tightly sealed safety glasses.

Hand protection

DIN EN 374 Tested protective gloves are to be worn: Butyl rubber. 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.

Skin protection

Protective clothing

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state:	Aerosol
Colour:	Colourless
Odour:	Characteristic
Change in physical state	
Initial boiling point and boiling range:	56°C
Flash point:	<0°C
Lower explosion limits:	1,2 vol. %
Upper explosion limits:	14,3 vol.
Density:	0,726 g/cm³

10. Stability and reactivity

10.1 Reactivity

No data available

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

Keep away from heat. Ignition hazard.

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No data available

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
67-64-1	acetone; propan-2-one; propanone			
	oral	LD 50 5800 mg/kg	Rat	RTECS
	Dermal	LD 50 20000 mg/kg	Rabbit	IUCLID
	Inhalative (4h) vapour	LD 50 76 mg/kg	Rat	

Irritation and corrosivity

Irritating to eyes. Vapours may cause drowsiness and dizziness. After skin contact: Irritant.

Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

12. Ecological information

12.1 Toxicity

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

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h] [d]	Species	Source
67-64-1	acetone; propan-2-one; propanone				
	Acute fish toxicity	LC50 5540 mg/l	96 h	Onchorhynchus mykiss	
	Acute crustacea toxicity	LC50 6100 mg/l	48 h	Daphnia magna	

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
67-64-1	acetone; propan-2-one; propanone	-0,24

Further information

Do not allow to enter into surface water or drains. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

13. Disposal considerations

13.1 Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. 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
Classified as hazardous waste.

Waste disposal number of 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

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

14. Transport information

14.1 UN-Number	UN1950
14.2 UN proper shipping name	AEROSOLS
14.3 Transport hazard class(es)	2
Hazard label:	2.1

Classification code:	5F
Special Provisions:	190, 327, 625
Limited quantity:	1l
Transport category:	2
Tunnel restriction code:	D

Other applicable information (land transport)

E0

Inland waterways transport (ADN)

14.1 UN-Number	UN1950
14.2 UN proper shipping name	AEROSOLS
14.3 Transport hazard class(es)	2
Hazard label:	2.1

Classification code:	5F
Special Provisions:	190 327 344 625
Limited quantity:	1l

Other applicable information (inland waterways transport)

E0

Marine transport (IMDG)

14.1 UN-Number	UN1950
14.2 UN proper shipping name	AEROSOLS
14.3 Transport hazard class(es)	2
14.4 Packing group:	-
Hazard label:	2, see SP63
Special Provisions:	63, 190, 277, 327, 344, 959
Limited quantity:	See SP277
EmS:	F-D,S-U

Other applicable information (inland waterways transport)

E0

Air transport (ICAO)

14.1 UN-Number	UN1950
14.2 UN proper shipping name	AEROSOLS
14.3 Transport hazard class(es)	2.1
Hazard label:	2.1

Special Provisions:	A145 A167
Limited quantity Passenger:	30 kg G
IATA-packing instructions - Passenger:	203
IATA-max. quantity - Passenger:	75 kg
IATA-packing instructions - Cargo:	203
IATA-max. quantity - Cargo:	150 kg

Other applicable information (air transport)

ENVIRONMENTALLY HAZARDOUS:	yes, Symbol (fish and tree)
Danger releasing substance:	Hydrocarbons

15. Regulatory information

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

EU regulatory information

2004/42/EC (VOC):	86,94 %

National regulatory information

Water contaminating class (D):	2 - water c

16. Other information

Relevant H and EUH statements (number and full text)

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.
H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

The information contained here in is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.
This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.