

Safety Data Sheet

CHEMSTR-ŠAFAŘÍK s.r.o.

according to Regulation (EC) No 1907/2006

CHEMSTR PTFE Spray

Print date: 24.03.2016

Product code: CH075

Page 1 of 9

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

1.1. Product identifier

CHEMSTR PTFE Spray

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

Use of the substance/mixture

Lubricant, lubricants and release products

1.3. Details of the supplier of the safety data sheet

Company name:	CHEMSTR-ŠAFAŘÍK s.r.o.	
Street:	Modlanská 1886	
Place:	Teplice 415 01	
Telephone:	+420 417 562 000	Telefax: +420 417 535 410
e-mail:	info@chemstr.cz	
Contact person:	Luděk Šafařík	Telephone: + 420 417 562 000
e-mail:	info@chemstr.cz	
Internet:	www.chemstr.cz	
Responsible Department:	Oblast technických a bezpečnostních listů	

1.4. Emergency telephone number:

Die Nummer der Gesellschaft ist nur zu Bürozeiten besetzt: +49(0)5221-10227-30
(8:00 - 17:00 Uhr)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:
 Aerosol: Aerosol 1
 Skin corrosion/irritation: Skin Irrit. 2
 Specific target organ toxicity - single exposure: STOT SE 3
 Hazardous to the aquatic environment: Aquatic Chronic 3
 Hazard Statements:
 Extremely flammable aerosol.
 Pressurised container: May burst if heated.
 Causes skin irritation.
 May cause drowsiness or dizziness.
 Harmful to aquatic life with long lasting effects.

Caution! Container under pressure.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Naphtha (petroleum), hydrotreated light; Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Signal word: Danger

Pictograms:



Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.

Safety Data Sheet

CHEMSTR-ŠAFARÍK s.r.o.

according to Regulation (EC) No 1907/2006

CHEMSTR PTFE Spray

Print date: 24.03.2016

Product code: CH075

Page 2 of 9

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.
 P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Additional advice on labelling

The product is classified and labelled according to EC directives or corresponding national laws.

2.3. Other hazards

Do not breathe aerosol.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture related information

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
74-98-6	propane			25 -< 50 %
	200-827-9	601-003-00-5	01-2119486944-21	
	Flam. Gas 1; H220			
75-28-5	isobutane			25 -< 50 %
	200-857-2	601-004-00-0	01-2119485395-27	
	Flam. Gas 1; H220			
64742-49-0	Naphtha (petroleum), hydrotreated light; Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane			10 -< 25 %
	921-024-6	649-328-00-1	01-2119475514-35	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411			
106-97-8	butane			2,5 -< 10 %
	203-448-7	601-004-00-0	01-2119474691-32	
	Flam. Gas 1; H220			

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

Further Information

Full text of R-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated, saturated clothing immediately.

After inhalation

Provide fresh air. Seek medical attention if problems persist.

Safety Data Sheet

CHEMSTR-ŠAFARÍK s.r.o.

according to Regulation (EC) No 1907/2006

CHEMSTR PTFE Spray

Print date: 24.03.2016

Product code: CH075

Page 3 of 9

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

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

Caution if victim vomits: Risk of aspiration! Medical treatment necessary.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

Caution if victim vomits: Risk of aspiration!

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Dry extinguishing powder. Foam.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire and/or explosion do not breathe fumes.

5.3. Advice for firefighters

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

Additional information

Contaminated fire-fighting water must be collected separately. Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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).

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use only in well-ventilated areas. Keep away from sources of ignition. - No smoking. Flammable vapours can accumulate in head space of closed systems.

Advice on protection against fire and explosion

Take precautionary measures against static discharges. Vapours may form explosive mixtures with air.

Further information on handling

Heating causes rise in pressure with risk of bursting.

7.2. Conditions for safe storage, including any incompatibilities

Safety Data Sheet

CHEMSTR-ŠAFARÍK s.r.o.

according to Regulation (EC) No 1907/2006

CHEMSTR PTFE Spray

Print date: 24.03.2016

Product code: CH075

Page 4 of 9

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Further information on storage conditions

Protect against: heat. UV-radiation/sunlight.

7.3. Specific end use(s)

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	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	Exposure route	Effect	Value
64742-49-0	Naphtha (petroleum), hydrotreated light; Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane			
Consumer DNEL, long-term		oral	systemic	699 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	699 mg/kg bw/day
Worker DNEL, long-term		dermal	systemic	773 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	608 mg/m ³
Worker DNEL, long-term		inhalation	systemic	2035 mg/m ³

8.2. Exposure controls

Protective and hygiene measures

Work in well-ventilated zones or use proper respiratory protection. Do not eat, drink, smoke or sneeze at the workplace.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

Protect skin by using skin protective cream.
Hand protection: NBR (Nitrile rubber).
Thickness of glove material: 0,45 mm
penetration time (maximum wearing period): 240 min

Skin protection

Body protection: not required.

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Environmental exposure controls

No data available

Safety Data Sheet

CHEMSTR-ŠAFARÍK s.r.o.

according to Regulation (EC) No 1907/2006

CHEMSTR PTFE Spray

Print date: 24.03.2016

Product code: CH075

Page 5 of 9

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Aerosol
Colour:	whitish
Odour:	characteristic

Test method

Changes in the physical state

Lower explosion limits:

Upper explosion limits:

Ignition temperature: > 200 °C

Density (at 20 °C): 0,60191 g/cm³

Solvent content: 92,5 %

9.2. Other information

Solid content: No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Ignition hazard.

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapors. Carbon dioxide. Carbon monoxide. aldehydes.

Further information

Danger of bursting container. >50°C

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

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

Safety Data Sheet

CHEMSTR-ŠAFARÍK s.r.o.

according to Regulation (EC) No 1907/2006

CHEMSTR PTFE Spray

Print date: 24.03.2016

Product code: CH075

Page 6 of 9

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
64742-49-0	Naphtha (petroleum), hydrotreated light; Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane			
	oral	LD50 > 2000 mg/kg	rat	
	dermal	LD50 > 2000 mg/kg	rabbit	
	inhalative (4 h) aerosol	LC50 > 5 mg/l	rat	
106-97-8	butane			
	inhalative (4 h) gas	LC50 658 ppm	Rat	GESTIS

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.

STOT-single exposure

May cause drowsiness or dizziness. (Naphtha (petroleum), hydrotreated light; Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)

STOT-repeated exposure

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

Aspiration hazard

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

SECTION 12: Ecological information

12.1. Toxicity

No data available

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h] [d]	Species	Source
64742-49-0	Naphtha (petroleum), hydrotreated light; Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane				
	Acute crustacea toxicity	EC50 1 - 10 mg/l	48 h	daphnia	

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
74-98-6	propane	2,36
75-28-5	isobutane	2,8
106-97-8	butane	2,89

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

Harmful to fish.

Safety Data Sheet

CHEMSTR-ŠAFARÍK s.r.o.

according to Regulation (EC) No 1907/2006

CHEMSTR PTFE Spray

Print date: 24.03.2016

Product code: CH075

Page 7 of 9

Further information

Doesn't get into the sewage water as long as the process is carried out according to regulations.
hazardous to water (WGK 2)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

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 used product

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

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
 Transport category: 2
 Tunnel restriction code: D

Other applicable information (land transport)

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

Safety Data Sheet

CHEMSTR-ŠAFARÍK s.r.o.

according to Regulation (EC) No 1907/2006

CHEMSTR PTFE Spray

Print date: 24.03.2016

Product code: CH075

Page 8 of 9



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

Other applicable information (inland waterways transport)

Marine transport (IMDG)

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



Special Provisions: 63, 190, 277, 327, 344, 959
 Limited quantity: 1000 mL
 EmS: F-D, S-U

Other applicable information (marine transport)

Air transport (ICAO)

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



Special Provisions: A145 A167 A802
 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)

E0
 : Y203
 150 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No data available

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

No data available

Safety Data Sheet

CHEMSTR-ŠAFARÍK s.r.o.

according to Regulation (EC) No 1907/2006

CHEMSTR PTFE Spray

Print date: 24.03.2016

Product code: CH075

Page 9 of 9

Other applicable information

Transport as "limited quantity" according to chapter 3.4 ADR/RID.

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): Volatile organic compounds (VOC) content in percent by weight: 92,52
VOC-value (in g/L): 556,9

National regulatory information

Water contaminating class (D): 2 - 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.

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.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
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 data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)