Safety Data Sheet

according to Regulation (EC) No 1907/2006

785 Parting Lubricant (Aerosol)

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

1.1. Product identifier

785 Parting Lubricant (Aerosol)

UFI: 778C-FMQY-S71J-7X0K

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

Use of the substance/mixture

Synthetic Base. Eases assembly and disassembly of meta! parts by protecting against galling, self-welding, corrosion, and galvanic attack. Do not use on oxygen systems.

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name:	Chesterton International GmbH	
Street:	Am Lenzenfleck 23	
Place:	D-85737 Ismaning GERMANY	
Telephone:	+49 89 99 65 46 - 0	Telefax: +49 89 99 65 46 - 50
E-mail:	eu-sds@chesterton.com	
Contact person:	eu-sds@chesterton.com	Telephone: +49 89 99 65 46 - 0
E-mail:	eu-sds@chesterton.com	
Internet:	www.chesterton.com	
Responsible Department:	eu-sds@chesterton.com	

1.4. Emergency telephone number:

+49(0) 551 - 1 92 40 (GIZ-Nord, 24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Aerosol 1; H222-H229
Skin Irrit. 2; H315
STOT SE 3; H336
Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

Distillates (petroleum), hydro-treated light; Kerosine - unspecified
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha
Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha

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.
H411	Toxic 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.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P312	Call a POISON CENTER/doctor if you feel unwell.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Special labelling of certain mixtures

EUH208	Contains 5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione. May produce an allergic reaction.

2.3. Other hazards

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

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
64742-47-8	Distillates (petroleum), hydro-treated light; Kerosine - unspecified			35 - 45 %
	265-149-8	649-422-00-2		
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 3; H226 H336 H304 H412			
9003-29-6	Polybuten (Isobutylen-/Buten-Copolymer)			15 - 25 %
	500-004-7			
	Skin Irrit. 2, Asp. Tox. 1; H315 H304			
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha			10 - 15 %
	265-151-9	649-328-00-1	01-2119475133-43	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411			
12001-26-2	Mica			1 - 5 %
	601-648-2			
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335			
124-38-9	Carbon dioxide			1 - 5 %
	204-696-9			
	Compressed gas; H280			
64742-48-9	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha			< 1 %
	265-150-3	649-327-00-6		
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411			
72676-55-2	5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione			< 1 %
	276-763-0		01-2120119820-64	
	Skin Sens. 1, Aquatic Chronic 2; H317 H411			
67-56-1	methanol			< 1 %
	200-659-6	603-001-00-X	01-2119433307-44	
	Flam. Liq. 2, Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, STOT SE 1; H225 H331 H311 H301 H370			

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
64742-47-8	265-149-8	Distillates (petroleum), hydro-treated light; Kerosine - unspecified	35 - 45 %
	inhalation: LC50 = > 5,28 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg		
9003-29-6	500-004-7	Polybuten (Isobutylen-/Buten-Copolymer)	15 - 25 %
	dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 10000 mg/kg		
64742-49-0	265-151-9	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha	10 - 15 %
	inhalation: LC50 = > 4,96 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg		
64742-48-9	265-150-3	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha	< 1 %
	inhalation: LC50 = > 4,96 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg		
72676-55-2	276-763-0	5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	< 1 %
	dermal: LD50 = > 2000 mg/kg; oral: LD50 = 5680 mg/kg		
67-56-1	200-659-6	methanol	< 1 %
	inhalation: LC50 = > 115,9 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists); dermal: ATE = 300 mg/kg; oral: LD50 = > 1187 - 2769 mg/kg STOT SE 1; H370: >= 10 - 100 STOT SE 2; H371: >= 3 - < 10		

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove affected person from the danger area and lay down. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off contaminated clothing and wash it before reuse.
In case of skin irritation, consult a physician.

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.

Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Let 1 glass of water be drunken in little sips (dilution effect).

Do NOT induce vomiting.

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

- Dry extinguishing powder.
- Carbon dioxide (CO2).
- alcohol resistant foam.
- Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated:

- Carbon monoxide
- Carbon dioxide (CO2).
- Nitrogen oxides (NOx)

5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings.
In case of fire: Wear self-contained breathing apparatus.

Special protective equipment for firefighters: Protective clothing.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Provide adequate ventilation.
Remove persons to safety.
Safe handling: see section 7
Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Cover drains. Adverse environmental effects

6.3. Methods and material for containment and cleaning up

For containment

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

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

Personal protection equipment: see section 8
Do not breathe aerosol.
Avoid contact with skin, eyes and clothes.
Avoid breathing dust/fume/gas/mist/vapours/spray.
When using do not eat, drink or smoke.
Wash hands before breaks and after work. Used working clothes should not be worn outside the work area.
Street clothing should be stored separately from work clothing.
Never use pressure to empty container. Keep/Store only in original container.

Advice on protection against fire and explosion

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.
Vapours are heavier than air, spread along floors and form explosive mixtures with air.

Advice on general occupational hygiene

Avoid contact with skin, eyes and clothes. Use protective skin cream before handling the product. Remove contaminated, saturated clothing immediately. When using do not eat, drink, smoke, sniff. Wash hands and face before breaks and after work and take a shower if necessary.

Further information on handling

Wash hands before breaks and after work. Only wear fitting, comfortable and clean protective clothing. Used working clothes should not be worn outside the work area. Street clothing should be stored separately from work clothing.

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/Store only in original container.
Protect from direct sunlight.
Pressurised container: May burst if heated.

Further information on storage conditions

Keep away from:
- Frost
- Heat
- Humidity

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

CAS No	Substance	ppm	mg/m³	fib/cm³	Category	Origin
74-98-6	Aliphatic hydrocarbon gases, Alkanes (C1-C3), Propane	-	-		Asphyxiant	
7429-90-5	Aluminium metal (Respirable Fraction)	-	1		TWA (8 h)	
106-97-8	Butane, all isomers - n-butane	1000	-		STEL (15 min)	
1317-65-3	Calcium carbonate, total inhalable dust	-	10		TWA (8 h)	
124-38-9	Carbon dioxide	5000	9000		TWA (8 h)	
		15000	27000		STEL (15 min)	
7782-42-5	Graphite (all forms except fibres) (Respirable Fraction)	-	2		TWA (8 h)	
67-56-1	Methyl alcohol	200	260		TWA (8 h)	
12001-26-2	Mica, respirable dust	-	3		TWA (8 h)	

Biological limit values

CAS No	Substance	Parameter	Value	Test material	Sampling time
67-56-1	Methanol	Methanol	15 mg/L	Urine	End of shift

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
64742-47-8	Distillates (petroleum), hydro-treated light; Kerosine - unspecified			
Consumer DNEL, long-term		oral	systemic	18,75 mg/kg bw/day
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha			
Worker DNEL, long-term		inhalation	systemic	1,9 mg/m³
Worker DNEL, acute		inhalation	systemic	1286,4 mg/m³
Worker DNEL, long-term		inhalation	local	837,5 mg/m³
Worker DNEL, acute		inhalation	local	1066,67 mg/m³
Consumer DNEL, long-term		inhalation	systemic	0,41 mg/m³
Consumer DNEL, acute		inhalation	systemic	1152 mg/m³
Consumer DNEL, long-term		inhalation	local	178,57 mg/m³
Consumer DNEL, acute		inhalation	local	640 mg/m³
7429-90-5	aluminium			
Worker DNEL, long-term		inhalation	systemic	3,72 mg/m³
Worker DNEL, long-term		inhalation	local	3,72 mg/m³
Consumer DNEL, long-term		oral	systemic	7,9 mg/kg bw/day
7782-42-5	Graphite			
Worker DNEL, long-term		inhalation	systemic	1,2 mg/m³
Worker DNEL, long-term		inhalation	local	1,2 mg/m³
Consumer DNEL, long-term		inhalation	local	0,3 mg/m³
Consumer DNEL, long-term		oral	systemic	813 mg/kg bw/day
64742-48-9	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha			
Worker DNEL, long-term		inhalation	systemic	1,9 mg/m³
Consumer DNEL, long-term		inhalation	systemic	0,41 mg/m³
Worker DNEL, long-term		dermal	systemic	300 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	300 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	300 mg/kg bw/day
Worker DNEL, acute		inhalation	systemic	1286,4 mg/m³
Worker DNEL, long-term		inhalation	local	837,5 mg/m³
Worker DNEL, acute		inhalation	local	1066,67 mg/m³
Consumer DNEL, acute		inhalation	systemic	1152 mg/m³
Consumer DNEL, long-term		inhalation	local	178,57 mg/m³
Consumer DNEL, acute		inhalation	local	640 mg/m³

72676-55-2	5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione		
Worker DNEL, long-term	inhalation	systemic	3,29 mg/m³
Worker DNEL, long-term	dermal	systemic	0,93 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	0,56 mg/m³
Consumer DNEL, long-term	dermal	systemic	0,33 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,17 mg/kg bw/day
67-56-1	methanol		
Worker DNEL, long-term	inhalation	systemic	130 mg/m³
Worker DNEL, acute	inhalation	systemic	130 mg/m³
Worker DNEL, long-term	inhalation	local	130 mg/m³
Worker DNEL, acute	inhalation	local	130 mg/m³
Worker DNEL, long-term	dermal	systemic	20 mg/kg bw/day
Worker DNEL, acute	dermal	systemic	20 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	26 mg/m³
Consumer DNEL, acute	inhalation	systemic	26 mg/m³
Consumer DNEL, long-term	inhalation	local	26 mg/m³
Consumer DNEL, acute	inhalation	local	26 mg/m³
Consumer DNEL, long-term	dermal	systemic	4 mg/kg bw/day
Consumer DNEL, acute	dermal	systemic	4 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	4 mg/kg bw/day
Consumer DNEL, acute	oral	systemic	4 mg/kg bw/day

PNEC values

CAS No	Substance	
Environmental compartment		Value
7429-90-5	aluminium	
Micro-organisms in sewage treatment plants (STP)		20 mg/l
72676-55-2	5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	
Freshwater		0,003 mg/l
Freshwater (intermittent releases)		0,003 mg/l
Marine water		0 mg/l
Freshwater sediment		0,039 mg/kg
Marine sediment		0,004 mg/kg
Micro-organisms in sewage treatment plants (STP)		0,31 mg/l
Soil		0,006 mg/kg

8.2. Exposure controls

Appropriate engineering controls

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

Individual protection measures, such as personal protective equipment

Eye/face protection

Suitable eye protection:
- Eye glasses with side protection
- goggles

Hand protection

Tested protective gloves must be worn: EN ISO 374
NBR (Nitrile rubber), CR (polychloroprene, chloroprene rubber)
Wearing time with permanent contact: Thickness of the glove material: >= 0,4 mm, Breakthrough time: >480 min
Wearing time with occasional contact (splashes): Thickness of the glove material: >= 0,1 mm, Breakthrough time: > 30 min
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.
Breakthrough times and swelling properties of the material must be taken into consideration.

Skin protection

Protective clothing

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.
Filtering device (full mask or mouthpiece) with filter: AX

Thermal hazards

No data available

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	grey

		Test method
Melting point/freezing point:	No data available	
Boiling point or initial boiling point and boiling range:	94 °C	
Flammability:	No data available	
Lower explosion limits:	No data available	
Upper explosion limits:	No data available	
Flash point:	7,8 °C	
Auto-ignition temperature:	No data available	

Decomposition temperature:	No data available	
pH-Value:	not applicable	
Water solubility:	practically insoluble	
Solubility in other solvents		
No information available.		
Partition coefficient n-octanol/water:	<1	
Vapour pressure:	<1 hPa	
Relative density:	0,9	
Relative vapour density:	>1	(Air=1)

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

Vapours can form explosive mixtures with air.

Self-ignition temperature

Solid:	No data available
Gas:	No data available

Oxidizing properties

No information available.

Other safety characteristics

Evaporation rate: <1 (Ether=1)

Further Information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).

10.5. Incompatible materials

- Oxidising agent

10.6. Hazardous decomposition products

- Carbon monoxide
- aldehydes
- Gases/vapours, toxic

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

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

ATEmix calculated

ATE (oral) 79487 mg/kg; ATE (dermal) 238462 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) 397,4 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-47-8	Distillates (petroleum), hydro-treated light; Kerosine - unspecified				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1992)	EPA OTS 798.1175
	dermal	LD50 > 2000 mg/kg	Rabbit	Study report (1992)	EPA OTS 798.1100
	inhalation (4 h) vapour	LC50 > 5,28 mg/l	Rat	Study report (1987)	OECD Guideline 403
9003-29-6	Polybuten (Isobutylen-/Buten-Copolymer)				
	oral	LD50 > 10000 mg/kg	Rat	Study report (1986)	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rat	Study report (1996)	OECD Guideline 402
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1986)	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rabbit	Study report (1986)	OECD Guideline 402
	inhalation (4 h) vapour	LC50 > 4,96 mg/l	Rat	Study report (1992)	OECD Guideline 403
64742-48-9	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1986)	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rabbit	Study report (1986)	OECD Guideline 402
	inhalation (4 h) vapour	LC50 > 4,96 mg/l	Rat	Study report (1992)	OECD Guideline 403
72676-55-2	5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione				
	oral	LD50 5680 mg/kg	Rat	Study report (1983)	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rabbit	Study report (1983)	OECD Guideline 402
67-56-1	methanol				
	oral	LD50 > 1187 - 2769 mg/kg	Rat	Study report (1975)	Study performed according to internal co
	dermal	ATE 300 mg/kg			
	inhalation (4 h) vapour	LC50 > 115,9 mg/l	Rat	Study report (1980)	Study performed according to internal co
	inhalation dust/mist	ATE 0,5 mg/l			

Irritation and corrosivity

Skin corrosion/irritation: 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.

Contains 5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione. May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on 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.

STOT-single exposure

May cause drowsiness or dizziness. (Distillates (petroleum), hydro-treated light; Kerosine - unspecified)

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.

11.2. Information on other hazards

Endocrine disrupting properties

No data available

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] | [d]	Species	Source	Method
64742-47-8	Distillates (petroleum), hydro-treated light; Kerosine - unspecified						
	Acute fish toxicity	LL50	2 - 5 mg/l	96 h	Oncorhynchus mykiss	Study report (1994)	OECD Guideline 203
	Acute algae toxicity	ErC50	8,3 mg/l	72 h	Raphidocelis subcapitata	Study report (1995)	OECD Guideline 201
	Acute crustacea toxicity	EL50	1,4 mg/l	48 h	Daphnia magna	Study report (1995)	OECD Guideline 202
9003-29-6	Polybuten (Isobutylen-/Buten-Copolymer)						
	Acute fish toxicity	LL50	> 1000 mg/l	96 h	Oncorhynchus mykiss	REACh Registration Dossier	other: REACH Guidance on QSARs R.6
	Acute algae toxicity	ErC50	> 1000 mg/l	72 h	Raphidocelis subcapitata	REACh Registration Dossier	other: REACH Guidance on QSARs R.6
	Acute crustacea toxicity	EL50	> 1000 mg/l	48 h	Daphnia magna	REACh Registration Dossier	other: REACH Guidance on QSARs R.6
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha						
	Acute fish toxicity	LL50	8,2 mg/l	96 h	Pimephales promelas	Study report (1995)	other: EPA 66013-75-009
	Acute algae toxicity	ErC50	3,1 mg/l	72 h	Raphidocelis subcapitata	Study report (1995)	OECD Guideline 201
	Acute crustacea toxicity	EL50	4,5 mg/l	48 h	Daphnia magna	Study report (1995)	OECD Guideline 202
	Fish toxicity	NOEC	2,6 mg/l	21 d	Daphnia magna	Study report (1999)	other: OECD Guideline 211
	Crustacea toxicity	NOEC	2,6 mg/l	21 d	Daphnia magna	Study report (1999)	OECD Guideline 211
64742-48-9	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha						
	Acute fish toxicity	LL50	8,2 mg/l	96 h	Pimephales promelas	Study report (1995)	other: EPA 66013-75-009
	Acute algae toxicity	ErC50	3,1 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (1995)	OECD Guideline 201
	Acute crustacea toxicity	EL50	4,5 mg/l	48 h	Daphnia magna	Study report (1995)	OECD Guideline 202
	Fish toxicity	NOEC	2,6 mg/l	21 d	Daphnia magna	Study report (1999)	other: OECD Guideline 211
	Crustacea toxicity	NOEC	2,6 mg/l	21 d	Daphnia magna	Study report (1999)	OECD Guideline 211
72676-55-2	5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione						

	Acute fish toxicity	LC50	> 454 mg/l	96 h	Pimephales promelas	REACh Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50	20 mg/l	72 h	Raphidocelis subcapitata	REACh Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50	3 mg/l	48 h	Daphnia magna	REACh Registration Dossier	OECD Guideline 202
67-56-1	methanol						
	Acute fish toxicity	LC50	15400 mg/l	96 h	Lepomis macrochirus	Bulletin of Environmental Contamination	other: EPA-660/3-75-009, 1975
	Acute algae toxicity	ErC50	ca. 22000 mg/l	96 h	Raphidocelis subcapitata	Ecotoxicology and Environmental Safety 7	OECD Guideline 201
	Acute crustacea toxicity	EC50	> 10000 mg/l	48 h	Daphnia magna	Water Research 23(4): 495-499 (1989)	other: DIN 38412 Teil 11
	Fish toxicity	NOEC	446,7 mg/l	28 d	Pimephales promelas	SAR and QSAR in Environmental Research,	Calculation performed with ECOSAR
	Crustacea toxicity	NOEC	208 mg/l	21 d	Daphnia magna	OECD QSAR Toolbox Report (2013)	Toxicity of the target chemical is predi

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
9003-29-6	Polybuten (Isobutylen-/Buten-Copolymer)	7,6 - 7,8
72676-55-2	5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	1,46
67-56-1	methanol	-0,77

BCF

CAS No	Chemical name	BCF	Species	Source
9003-29-6	Polybuten (Isobutylen-/Buten-Copolymer)	144,54		EPA (2021)
64742-48-9	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha	144,3	calculated	Other company data (
67-56-1	methanol	1	Cyprinus carpio	Comparative Biochemi

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

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

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.

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.

Contaminated packaging

Non-contaminated packages may be recycled. Dispose of waste according to applicable legislation.

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):	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 or ID 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

Marine transport (IMDG)

14.1. UN number or ID 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:	63 190 277 327 344 381 959
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):	2.1
14.4. 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:	203
IATA-max. quantity - Passenger:	75 kg
IATA-packing instructions - Cargo:	203
IATA-max. quantity - Cargo:	150 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

14.7. Maritime transport in bulk according to IMO instruments

No information available.

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, Entry 75

Information according to Directive 2012/18/EU (SEVESO III): P3a FLAMMABLE AEROSOLS

Additional information: E2

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:
Distillates (petroleum), hydro-treated light; Kerosine - unspecified

Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha
Carbon dioxide
Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha
5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione
methanol

SECTION 16: Other information

Abbreviations and acronyms

Water-react: Substance and mixture which, in contact with water, emits flammable gas
Flam. Gas: Flammable gases
Aerosol: Aerosol
Compressed gas
Flam. Liq: Flammable liquid
Flam. Sol: Flammable solid
Acute Tox: Acute toxicity
Asp. Tox: Aspiration hazard
Skin Irrit: Skin irritation
Eye Irrit: Eye irritation
Skin Sens: Skin sensitisation
STOT SE: Specific target organ toxicity - single exposure
Aquatic Chronic: Chronic aquatic hazard
ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID:Règlement international conernat le transport des marchandises dangereuses par chemin de fer
(Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Refulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
CAS: Chemical Abstracts Service (division of the American Chemical Society)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
EC50: Effectice concentration, 50 percent
DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Aerosol 1; H222-H229	On basis of test data
Skin Irrit. 2; H315	Bridging principle "Aerosols"
STOT SE 3; H336	Bridging principle "Aerosols"
Aquatic Chronic 2; H411	

Relevant H and EUH statements (number and full text)

H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H370	Causes damage to organs.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains 5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione. May produce an allergic reaction.

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 relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)