

Safety Data Sheet

according to Regulation (EC) No 1907/2006

785(E) Parting Lubricant (Bulk)

Revision date: 27.03.2023

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

1.1. Product identifier

785(E) Parting Lubricant (Bulk)

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 metal parts by protecting against galling, self-welding, corrosion, and galvanic attack. Do not use on oxygen systems.

Uses advised against

Keine Daten Verfügbar

1.3. Details of the supplier of the safety data sheet

Company name:	Chesterton International GmbH	
Street:	Am Lenzenfleck 23	
Place:	DE-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

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Regulation (EC) No 1272/2008

Special labelling of certain mixtures

EUH208	Contains 5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
12001-26-2	Mica			5 - < 10 %
	601-648-2			
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335			
64742-48-9	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha			1 - < 5 %
	265-150-3	649-327-00-6		
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1; H226 H336 H304			
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			

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		
64742-48-9	265-150-3	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha	1 - < 5 %
	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		

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

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

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After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Seek medical advice 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

- 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 (NO_x)

5.3. Advice for firefighters

Special protective equipment for firefighters Protective clothing. In case of fire: Wear self-contained breathing apparatus.

Co-ordinate fire-fighting measures to the fire surroundings.

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

Safe handling: see section 7

Personal protection equipment: see section 8

Provide adequate ventilation.

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

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

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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

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

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Advice on general occupational hygiene

Work in well-ventilated zones or use proper respiratory protection. Only wear fitting, comfortable and clean protective clothing. Avoid contact with skin, eyes and clothes. Wash hands and face before breaks and after work and take a shower if necessary.

Use protective skin cream before handling the product.

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.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

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

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Occupational exposure limits

CAS No	Substance	ppm	mg/m ³	fib/cm ³	Category	Origin
7429-90-5	Aluminium metal (Respirable Fraction)	-	1		TWA (8 h)	
1317-65-3	Calcium carbonate, total inhalable dust	-	10		TWA (8 h)	
7782-42-5	Graphite (all forms except fibres) (Respirable Fraction)	-	2		TWA (8 h)	
12001-26-2	Mica, respirable dust	-	3		TWA (8 h)	

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DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
7429-90-5	aluminium powder (stabilised)			
Worker DNEL, long-term	inhalation	systemic	3,72 mg/m ³	
Worker DNEL, long-term	inhalation	local	3,72 mg/m ³	
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/m ³	
Worker DNEL, long-term	inhalation	local	1,2 mg/m ³	
Consumer DNEL, long-term	inhalation	local	0,3 mg/m ³	
Consumer DNEL, long-term	oral	systemic	813 mg/kg bw/day	
64742-48-9	Naphtha (petroleum), hydrotreated heavy; Low boiling point ydrogen treated naphtha			
Worker DNEL, long-term	inhalation	systemic	1,9 mg/m ³	
Consumer DNEL, long-term	inhalation	systemic	0,41 mg/m ³	
Consumer DNEL, long-term	oral	systemic	300 mg/kg bw/day	
Worker DNEL, long-term	dermal	systemic	300 mg/kg bw/day	
Consumer DNEL, long-term	dermal	systemic	300 mg/kg bw/day	
Worker DNEL, acute	inhalation	systemic	1286,4 mg/m ³	
Worker DNEL, long-term	inhalation	local	837,5 mg/m ³	
Worker DNEL, acute	inhalation	local	1066,67 mg/m ³	
Consumer DNEL, acute	inhalation	systemic	1152 mg/m ³	
Consumer DNEL, long-term	inhalation	local	178,57 mg/m ³	
Consumer DNEL, acute	inhalation	local	640 mg/m ³	
72676-55-2	5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione			
Worker DNEL, long-term	inhalation	systemic	3,29 mg/m ³	
Worker DNEL, long-term	dermal	systemic	0,93 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	systemic	0,56 mg/m ³	
Consumer DNEL, long-term	dermal	systemic	0,33 mg/kg bw/day	
Consumer DNEL, long-term	oral	systemic	0,17 mg/kg bw/day	

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PNEC values

CAS No	Substance	
Environmental compartment		Value
7429-90-5	aluminium powder (stabilised)	
Freshwater		0,0749 mg/l
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 exhaust 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), Butyl caoutchouc (butyl rubber)

Thickness of the glove material $\geq 0,4$ mm

Breakthrough times and swelling properties of the material must be taken into consideration.

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.

Wearing time with occasional contact (splashes): max. 480 min. (NBR (Nitrile rubber))

Wearing time with permanent contact 240 - 480 min (NBR (Nitrile rubber))

Observe the wear time limits as specified by the manufacturer.

Skin protection

Protective clothing

Respiratory protection

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

Combination filtering device A-P3

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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: Paste
Colour: grey

Test method

Melting point/freezing point: No data available
Boiling point or initial boiling point and
boiling range: No data available
Flammability

Solid/liquid: No data available
Lower explosion limits: No data available
Upper explosion limits: No data available
Flash point: 93,3 °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
Density: 1,2 g/cm³
Relative vapour density: >1 (Air=1)

9.2. Other information

Information with regard to physical hazard classes

Explosive properties
not explosive according to EU A.14

Self-ignition temperature

Solid: No data available
Gas: No data available

Oxidizing properties
(Air=1)

Other safety characteristics

Evaporation rate: <1 (Ether=1)
Viscosity / dynamic: ~1000000 mPa·s
(at 23 °C)

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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

Does not decompose when used for intended uses.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

- Acid,
- alkali,
- Oxidising agent, strong

10.6. Hazardous decomposition products

- Carbon monoxide,
- Carbon dioxide (CO₂),
- Nitrogen oxides (NO_x)

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) 35087,7 mg/kg; ATE (dermal) 105263,2 mg/kg; ATE (inhalation vapour) 1052,63 mg/l; ATE (inhalation dust/mist) 175,439 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-48-9	Naphtha (petroleum), hydrotreated heavy; Low boiling point ydrogen 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

Irritation and corrosivity

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

Sensitising effects

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

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.

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

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
64742-48-9	Naphtha (petroleum), hydrotreated heavy; Low boiling point ydrogen 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

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
72676-55-2	5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	1,46

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

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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:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

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 40

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National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha
5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione

SECTION 16: Other information

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)
RID: Règlement international concernant 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 Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
CLP: Classification, labelling and Packaging
REACH: Registration, Evaluation and Authorization of Chemicals
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
UN: United Nations
CAS: Chemical Abstracts Service
DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration
ATE: Acute toxicity estimate
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%
LL50: Lethal loading, 50%
EL50: Effect loading, 50%
EC50: Effective Concentration 50%
ErC50: Effective Concentration 50%, growth rate
NOEC: No Observed Effect Concentration
BCF: Bio-concentration factor
PBT: persistent, bioaccumulative, toxic
vPvB: very persistent, very bioaccumulative
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
SVHC: Substance of Very High Concern

Relevant H and EUH statements (number and full text)

H226 Flammable liquid and vapour.

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H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
EUH208	Contains 5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)