

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Elaskon 30

Revision date: 12.10.2016

Product code: ELA400400

Page 1 of 9

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

1.1. Product identifier

Elaskon 30

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

Use of the substance/mixture

lubricant

1.3. Details of the supplier of the safety data sheet

Company name:	Elaskon Sachsen GmbH & Co. KG für Spezierschmierstoffe	
Street:	Lohrmannstraße 10	
Place:	D-01237 Dresden	
Telephone:	+49/351/28575-0	Telefax: +49/351/28575-99
e-mail:	info@elaskon.de	
Contact person:	Dr. Pusch	
Internet:	www.elaskon.de	
Responsible Department:	Laboratory	

1.4. Emergency telephone number:

+49/351/28575-0 (during office hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 3

Specific target organ toxicity - single exposure: STOT SE 3

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Flammable liquid and vapour.

May cause drowsiness or dizziness.

Harmful to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Signal word: Warning

Pictograms:



Hazard statements

H226	Flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
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.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Elaskon 30

Revision date: 12.10.2016

Product code: ELA400400

Page 2 of 9

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container to Dispose of waste according to applicable legislation..

Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

mixture of highly refined mineral oils and additives solved in an aromate free hydrocarbon solvent

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatics			40-60%
	927-241-2		01-2119471843-32	
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 3; H226 H336 H304 H412 EUH066			

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

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Provide fresh air.

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink plenty of water. Call a physician 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**

Carbon dioxide (CO₂), Foam, Extinguishing powder.

Unsuitable extinguishing media

Water. High power water jet.

5.2. Special hazards arising from the substance or mixture

Flammable. Vapours can form explosive mixtures with air. Carbon dioxide (CO₂). Carbon monoxide.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Elaskon 30

Revision date: 12.10.2016

Product code: ELA400400

Page 3 of 9

5.3. Advice for firefighters

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

Additional information

Use water spray jet to protect personnel and to cool endangered containers. 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

Remove all sources of ignition. Provide adequate ventilation. High slip hazard because of leaking or spilled product.

6.2. Environmental precautions

Do not allow uncontrolled discharge of product into the environment. Danger of explosion

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). 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

No special measures are necessary.

Advice on protection against fire and explosion

Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air. No special measures are necessary.

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 heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep/Store only in original container.

Advice on storage compatibility

Do not store together with: Oxidising agent. Pyrophoric or self-heating substances. Do not store together with: Oxidizing agents.

Further information on storage conditions

Recommended storage temperature: at room temperature

7.3. Specific end use(s)

lubricant

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Elaskon 30

Revision date: 12.10.2016

Product code: ELA400400

Page 4 of 9

Appropriate engineering controls

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Do not breathe gas/fumes/vapour/spray. Components with workplace or biological limit values to be monitored: none

Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

Eye/face protection

Wear eye/face protection.

Hand protection

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. Tested protective gloves are to be worn: Suitable material: NBR (Nitrile rubber). FKM (fluororubber). penetration time (maximum wearing period): 480 min.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. With correct and proper use, and under normal conditions, breathing protection is not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
 Colour: green brown
 Odour: like: Petroleum:

Test method

pH-Value: not determined

Changes in the physical state

Melting point: not determined

Initial boiling point and boiling range: not determined

Flash point: 30 °C DIN EN ISO 2719

Flammability

Solid: not applicable

Gas: not applicable

Explosive properties

none

Lower explosion limits: not determined

Upper explosion limits: not determined

Ignition temperature: 240 °C DIN 51794

Auto-ignition temperature

Solid: not applicable

Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidizing.

Vapour pressure: not determined

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Elaskon 30

Revision date: 12.10.2016

Product code: ELA400400

Page 5 of 9

 Density (at 15 °C): 0,89 g/cm³ DIN 51757

Water solubility: insoluble

Solubility in other solvents

Petroleum:

Partition coefficient: not determined

 Viscosity / kinematic:
 (at 20 °C) 100 mm²/s DIN 51562

Vapour density: not determined

Evaporation rate: not determined

9.2. Other information

Solid content: not determined

Self ignition temperature in °C none

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable, Ignition hazard.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air. Decomposition takes place from temperatures above: none

10.5. Incompatible materials

Oxygen.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

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

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatics			
	oral	LD50 >5000 mg/kg	Rat	
	dermal	LD50 >5000 mg/kg	Rabbit	

Irritation and corrosivity

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

Irritant effect on the eye: mild irritant.

Irritant effect on the skin: none

Sensitising effects

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

no danger of sensitization.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Elaskon 30

Revision date: 12.10.2016

Product code: ELA400400

Page 6 of 9

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

May cause drowsiness or dizziness. (Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatics)

STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.

Aspiration hazard

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

Additional information on tests

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

The product is not: Ecotoxic.

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h] [d]	Species	Source
	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatics				
	Fish toxicity	NOEC mg/l	>0,1 - <= 1,0		
	Crustacea toxicity	NOEC mg/l	>0,1 - <= 1,0		

12.2. Persistence and degradability

Biological degradation: Product is biodegradable with difficulty.

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatics	4-5,7

12.4. Mobility in soil

Due to its low solubility in water the product is almost completely mechanically separated in biological sewage plants.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

Further information

Avoid release to the environment.

SECTION 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 used product

 130208 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19); waste engine, gear and lubricating oils; other engine, gear and lubricating oils
 Classified as hazardous waste.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Elaskon 30

Revision date: 12.10.2016

Product code: ELA400400

Page 7 of 9

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled. Dispose of waste according to applicable legislation. Delivery to an approved waste disposal company.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 1268
14.2. UN proper shipping name: PETROLEUM PRODUCTS, N.O.S.
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Classification code: F1
Limited quantity: LQ7
Hazard No: 30
Tunnel restriction code: D/E

Other applicable information (land transport)

excepted quantities: E1
Transport category: 3

Marine transport (IMDG)

14.1. UN number: UN 1268
14.2. UN proper shipping name: PETROLEUM PRODUCTS, N.O.S.
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Marine pollutant: •
Limited quantity: 5 L
EmS: F-E, S-E

Other applicable information (marine transport)

Special provisions: 223, 944
excepted quantities: E1
Special provisions: 223, 944, 955

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 1268
14.2. UN proper shipping name: PETROLEUM PRODUCTS, N.O.S.
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Special Provisions: A3

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Elaskon 30

Revision date: 12.10.2016

Product code: ELA400400

Page 8 of 9

Limited quantity Passenger:	10 L	
IATA-packing instructions - Passenger:		355
IATA-max. quantity - Passenger:		60 L
IATA-packing instructions - Cargo:		366
IATA-max. quantity - Cargo:		220 L

Other applicable information (air transport)

excepted quantities: E1
Passenger-LQ:: Y309
Special provisions: A3 A224
excepted quantities: E3
Passenger-LQ:: Forbidden
Passenger-LQ:: Y344

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Warning: Combustible liquids.

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

not applicable

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): 45 % (351 g/l)

Additional information

To follow: 850/2004/EC , 79/117/EEC , 689/2008/EC

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): 1 - slightly 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): 2,16.

Abbreviations and acronymsADR: 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%

Relevant H and EUH statements (number and full text)

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Elaskon 30

Revision date: 12.10.2016

Product code: ELA400400

Page 9 of 9

H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

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

Technical data sheet

Elaskon 30

Elaskon 30 is a maintenance lubricant for wire ropes.

Properties:

Elaskon 30 is liquid and contains an aromatic free solvent. After evaporation of the solvent a touch prove film is formed on the surfaces. It is water absorbing and has good adhesive power as well as excellent corrosion protection abilities.

Processing:

Elaskon 30 can be applied as delivered. Stirr before usage, spray cans shake well.

bronze, transparent

strong adhesion on metal surfaces

optimal corrosion prevention

universal use

Storage:

Storage in the closed original container, below 30°C. If stored below +10°C heat and homogenise before usage.

Packaging:

200 l drum
30 l hobbock
10 l bucket
spray can



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Technical Data

state: 17.05.2016

Elaskon 30

dropping point (without solvent)	DIN 51801, T. 2	>85	°C
breaking point (75g/m ²) (without solvent)	DIN EN 12593	< -53	°C
flash point	DIN EN ISO 2719	ca. 30	°C
viscosity (20°C)	DIN 51562, Teil 1	ca. 100	mm ² /s
friction coefficient (Semperit A431, 20°C)	DIN 21258, Ab.4.1	0,27	
penetration (without solvent)	DIN 51580	ca. 130	1/10 mm

The raw materials processed by us and finished products are subject to strictest quality controls. The details apply to the normal case and were determined with best conscience. It does not disburden the consumer from making his own tests. A legally binding guarantee of certain properties or suitability for a certain application can not be derived from this datasheet. Possibly existing statutory provisions relating to the handling and use of the products are to be observed by the recipients of our products themselves. Our General Business Conditions are valid.