

OEL 10W-40

Revision date: 18.01.2017

Page 1 of 9

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

1.1. Product identifier

OEL 10W-40

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

Use of the substance/mixture

Engine Oil.

Product Categories [PC]: PC 24 Lubricants, greases, release products.

1.3. Details of the supplier of the safety data sheet

Company name:	HANSA-FLEX AG	
Street:	Zum Panrepel 44	
Place:	D-28307 Bremen	
Telephone:	+49 (0) 421 48907 0	Telefax: +49 (0) 421 48907 48
e-mail:	info@hansa-flex.com	
Internet:	www.hansa-flex.de	

1.4. Emergency telephone number:

+49 (0) 551-19240
Gif tinformati onszentrum NORD GIZ-NORD

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Serious eye damage/eye irritation: Eye Irrit. 2

Hazard Statements:

Causes serious eye irritation.

2.2. Label elements

Regulation (EC) No. 1272/2008

Signal word: Warning

Pictograms:



Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P280 Wear protective gloves and eye/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

Special labelling of certain mixtures

EUH208 Contains calcium long chain alkaryl sulphonate; Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts. May produce an allergic reaction.

2.3. Other hazards

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Do not handle until all safety precautions have been read and understood.

Discharge into the environment must be avoided.

SECTION 3: Composition/information on ingredients

OEL 10W-40

Revision date: 18.01.2017

Page 2 of 9

3.2. Mixtures

Chemical characterization

Contains: Base oil, Additive.

Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
64742-54-7	Baseoil - unspecified, Distillates (petroleum), hydrotreated heavy paraffinic	30 - 40 %
	265-157-1	
	649-467-00-8	
	01-2119484627-25	
	Asp. Tox. 1; H304	
147880-09-9	Polyolefin polyamine succinimide, Polyol	1,0 - 5,0 %
	Aquatic Chronic 4; H413	
	calcium long chain alkaryl sulphonate	1,0 - 5,0 %
	Aquatic Chronic 4; H413	
68649-42-3	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	1,0 - 5,0 %
	272-028-3	
	01-2119657973-23	
	Eye Dam. 1, Aquatic Chronic 2; H318 H411	
722503-69-7	calcium long chain alkaryl sulphonate	0,1 - 1,0 %
	Skin Sens. 1, Aquatic Chronic 4; H317 H413	
722503-68-6	Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	0,1 - 1,0 %
	Skin Sens. 1B, Aquatic Chronic 4; H317 H413	

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

Further Information

The mineral oils in the product contain < 3 % DMSO-extract (IP 346).

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection!

Move victim out of danger zone.

Remove contaminated, saturated clothing immediately.

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

Avoid oil mist

Move victim to fresh air. Put victim at rest and keep warm.

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Get medical advice/attention if you feel unwell.

In case of respiratory tract irritation, consult a physician.

After contact with skin

After contact with skin, wash immediately with: Water and soap.

Change contaminated clothing.

OEL 10W-40

Revision date: 18.01.2017

Page 3 of 9

In case of skin irritation, seek medical treatment.

After contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists: Get medical advice/attention.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious).

Do NOT induce vomiting. Call a physician immediately.

No administration in cases of unconsciousness or cramps.

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

Causes serious eye irritation.

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

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**

Foam, Extinguishing powder, Sand, Water spray jet, Carbon dioxide (CO₂).

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon dioxide (CO₂), Sulphur dioxide (SO₂), Phosphorus oxides, carbon black, Carbon monoxide.

5.3. Advice for firefighters

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

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

Additional information

Move undamaged containers from immediate hazard area if it can be done safely.

Use water spray jet to protect personnel and to cool endangered containers. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation.

Respiratory protection necessary at: aerosol or mist generation. (See section 8.)

Avoid contact with skin and eyes. Wear personal protection equipment.

In case of leakage, eliminate all ignition sources.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Prevent spread over a wide area (e.g. by containment or oil barriers).

Take up mechanically, placing in appropriate containers for disposal.

Remove from the water surface (e.g. skimming, sucking).

High slip hazard because of leaking or spilled product.

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.

OEL 10W-40

Revision date: 18.01.2017

Page 4 of 9

6.4. Reference to other sections

Personal protection equipment: refer to chapter 8.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Do not breathe vapour/aerosol. Provide adequate ventilation.
Avoid contact with skin and eyes.
Take off immediately all contaminated clothing.
For industrial purposes only.

Advice on protection against fire and explosion

No special fire protection measures are necessary.
Avoid oil mist When hot, product develops flammable vapours.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Fire class B (DIN EN 2).

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Only use containers specifically approved for the substance/product.
Keep container tightly closed and in a well-ventilated place.
Always close containers tightly after the removal of product.
Recommended storage temperature: 5 - 30 °C. Do not store at temperatures over: 40 °C

Advice on storage compatibility

Do not store together with: Oxidising agent,
Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Protect against: Heat, Light, moisture. Protect against direct sunlight.

7.3. Specific end use(s)

Engine Oil.
Observe technical data sheet.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Additional advice on limit values**

Air limit values: Mineral oil mist
Limit value type (country of origin): US-OSHA PEL-Value: 5 mg/m³
Limit value type (country of origin): ACGIH STEL-Value: 10 mg/m³

8.2. Exposure controls**Protective and hygiene measures**

Do not eat, drink, smoke or sneeze at the workplace.
Avoid contact with skin, eyes and clothes.
Protect skin by using skin protective cream.
Take off contaminated clothing and wash it before reuse.
Wash hands before breaks and after work.
After cleaning apply high-fat content skin care cream.
Do not put any product-impregnated cleaning rags into your trouser pockets.

Eye/face protection

Suitable eye protection: Tightly sealed safety glasses. (DIN EN 166)

Hand protection

Handling larger quantities: Tested protective gloves are to be worn: German Industry Norms (DIN) / European

OEL 10W-40

Revision date: 18.01.2017

Page 5 of 9

Norms (EN): DIN EN 420, DIN EN 374.

Suitable material: NBR (Nitrile rubber), PVC (Polyvinyl chloride), CR (polychloroprene, chloroprene rubber), FKM (fluororubber).

Required properties: liquid-tight.

penetration time (maximum wearing period): > 240 min.

Thickness of glove material: 0,4 mm

Before using check leak tightness / impermeability.

Skin protection

Handling larger quantities: Wear suitable protective clothing.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at: exceeding exposure limit values, insufficient ventilation, aerosol or mist generation.

Suitable respiratory protective equipment: A2/P2 Combination filter device (DIN EN 141)..

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	light brown - brown
Odour:	characteristic

pH-Value: not applicable

Changes in the physical state

Pour point: < -39 °C DIN ISO 3016

Flash point: > 200 °C DIN ISO 2592

Explosive properties

not explosive.

Vapour pressure: < 0,1 hPa
(at 20 °C)Density (at 15 °C): approx. 0,86 - 0,87 g/cm³ DIN 51757Water solubility: practically insoluble
(at 20 °C)

Partition coefficient: No data available.

Viscosity / kinematic: approx. 85 - 95 mm²/s DIN 51562
(at 40 °C)

9.2. Other information

none

SECTION 10: Stability and reactivity

10.1. Reactivity

No risks worthy of mention.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

Do not mix with: Oxidizing agents, strong.

OEL 10W-40

Revision date: 18.01.2017

Page 6 of 9

10.4. Conditions to avoid

storage stability: Do not store at temperatures over: 40 °C
 This material is combustible, but will not ignite readily.
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

10.5. Incompatible materials

Oxidizing agents, strong.

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours.
 In case of fire may be liberated: Carbon dioxide (CO₂), Sulphur dioxide (SO₂), Phosphorus oxides, carbon black, Carbon monoxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

There are no data available on the mixture itself.

Acute toxicity

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

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
64742-54-7	Baseoil - unspecified, Distillates (petroleum), hydrotreated heavy paraffinic			
	oral	LD50 > 5000 mg/kg	Rat	OECD 401
	dermal	LD50 > 2000 mg/kg	Rabbit	OECD 402
68649-42-3	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts			
	oral	LD50 > 2000 mg/kg	Rat	
722503-68-6	Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts			
	oral	LD50 > 5000 mg/kg	Rat	OECD 401
	dermal	LD50 > 2000 mg/kg	Rat	OECD 402

Irritation and corrosivity

Irritant effect on the eye: Causes serious eye irritation.
 Irritant effect on the skin: On short hand contact: Not an irritant.
 Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).

Sensitising effects

Respiratory or skin sensitisation: not sensitising.
 Contains calcium long chain alkaryl sulphonate; Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts: May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.
 The mineral oils in the product contain < 3 % DMSO-extract (IP 346).

STOT-repeated exposure

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

Aspiration hazard

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

SECTION 12: Ecological information**12.1. Toxicity**

There are no data available on the mixture itself.

OEL 10W-40

Revision date: 18.01.2017

Page 7 of 9

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h] [d]	Species	Source
64742-54-7	Baseoil - unspecified, Distillates (petroleum), hydrotreated heavy paraffinic				
	Crustacea toxicity	NOEC 10 mg/l	21 d	Daphnia magna (Big water flea)	OECD 211

12.2. Persistence and degradability

Not easily bio-degradable (according to OECD-criteria).

CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation				
64742-54-7	Baseoil - unspecified, Distillates (petroleum), hydrotreated heavy paraffinic				
	OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D	31 %	28	ECHA Dossier	
	Not easily bio-degradable (according to OECD-criteria).				

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

State of matter: liquid at room temperature.

If product enters soil, it will be mobile and may contaminate groundwater.

12.5. Results of PBT and vPvB assessment

PBT: not applicable.

vPvB: not applicable.

12.6. Other adverse effects

No information available.

Further information

Discharge into the environment must be avoided.

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

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 "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)". Dispose of waste according to applicable legislation.

The waste key according to the European Waste Catalogue (EWC number) refers to the real wastes origin and therefore is not product- but use-oriented.

Consult the local waste disposal expert about waste disposal.

Observe mixture permissions according to "Altölverordnung (Waste oil directive)".

Waste disposal number of waste from residues/unused products

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils; hazardous waste

Waste disposal number of used product

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils; hazardous waste

Waste disposal number of contaminated packaging

OEL 10W-40

Revision date: 18.01.2017

Page 8 of 9

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: not relevant
14.2. UN proper shipping name: not relevant
14.3. Transport hazard class(es): not relevant
14.4. Packing group: not relevant

Other applicable information (land transport)

No dangerous good in sense of these transport regulations.

Inland waterways transport (ADN)

Other applicable information (inland waterways transport)

No information available.

Marine transport (IMDG)

Other applicable information (marine transport)

No dangerous good in sense of these transport regulations.

Air transport (ICAO-TI/IATA-DGR)

Other applicable information (air transport)

No dangerous good in sense of these transport regulations.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Handling (Transport information): No special precautionary measures are necessary. See protective measures under point 7 and 8.

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

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 28: Baseoil - unspecified, Distillates (petroleum), hydrotreated heavy paraffinic

Additional information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH).

National regulatory information

Water contaminating class (D): 2 - water contaminating

Additional information

Restricted to professional users.

The receiver of our product is singularly responsible for adhering to existing laws and regulations. Observe in addition any national regulations!

OEL 10W-40

Revision date: 18.01.2017

Page 9 of 9

After use, this oil must be sent to a used oil collecting location. Incorrect disposal of used oil endangers the environment. Every mixture with foreign substances such as solvents, brake- and cooling liquids is forbidden.

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): 1,2,3,4,5,6,7,8,9,10,11,12,14,15.

Relevant H and EUH statements (number and full text)

H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
EUH208	Contains calcium long chain alkaryl sulphonate; Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts. May produce an allergic reaction.

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.)