MAXIMUS HD-E 10W40

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

1.1 - Product identifier

Trade name/designation	MAXIMUS HD-E 10W40
Chemical name	
Product-type	Mixture
Product code	11364

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

Relevant identified uses	- Engine oil - Special product for automotive industry.
Uses advised against	- The uses are provided in Section 1.2. Other uses are not recommended unless a risk assessment is carried out, prior to commencement of that use, which demonstrates that the is safe.

1.3 - Details of the supplier of the safety data sheet

PETROL OFİSİ A.Ş.
Ünalan Mahallesi, Libadiye Caddesi No: 82F
Kat: 2-3-4, 34700 Üsküdar/ Istanbul
Turkey
Telephone : +90 850 339 1919 Fax +90 216 275 3854
Website : www.petrolofisi.com.tr - madeniyag@petrolofisi.com.tr

1.4 - Emergency telephone number

- National Poisons Information Service of England: http://npis.org -
NHS 111: dial 111 United Kingdom

- Company phone number (see section 1.3).

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains: Distillates (petroleum), hydrotreated, heavy paraffinic [Note L] | Paraffin oils

Signal word	:	None
Pictograms	:	None

Hazard statements

H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P273	Avoid release to the environment.
P501	Dispose of contents/container to an appropriate recycling or disposal facility in accordance with national regulation.

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EUH-phrases

EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine . May produce an allergic reaction.

2.3 - Other hazards

PBT-substance.	- The substances in this mixture do not meet the PTB/vPvB criteria of REACH annex XIII.
vPvB-substance.	- The substances in this mixture do not meet the PTB/vPvB criteria of REACH annex XIII.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No.	%	Class(es)	Specific concentration limit
Distillates (petroleum), hydrotreated, heavy paraffinic [Note L]	CAS No. : 64742-54-7 Index No. : 649-467-00-8 EC No. : 265-157-1 REACH No. : 01-2119484627-25-0065	40 - 60	Aquatic Chronic 3 - H412 Asp. Tox. 1 - H304 EUH066	Not applicable
Distillates (petroleum), hydrotreated, heavy paraffinic [Note L]	CAS No. : 64742-54-7 Index No. : 649-467-00-8 EC No. : 265-157-1 REACH No. : 01-2119484627-25-0033	10 - 20	Not Classified	Not applicable
Paraffin oils	CAS No. : Index No. : EC No. :	1 - 10	Asp. Tox. 1 - H304	Not applicable
Distillates (petroleum), hydrotreated light paraffinic [Note L]	CAS No. : 64742-55-8 Index No. : 649-468-00-3 EC No. : 265-158-7	1 - 5	Not Classified	Not applicable
Bis(nonylphenyl)amine	CAS No. : 36878-20-3 Index No. : EC No. : 253-249-4	< 1	Aquatic Chronic 4 - H413	Not applicable
Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate)	CAS No. : 2215-35-2 Index No. : EC No. : 218-679-9	< 1	Aquatic Chronic 2 - H411 Eye Dam. 1 - H318 Skin Irrit. 2 - H315	Eye Dam. 1 - H318 : 10<=%<=100
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	CAS No. : 84605-29-8 Index No. : EC No. : 283-392-8	< 1	Aquatic Chronic 2 - H411 Eye Dam. 1 - H318 Skin Irrit. 2 - H315	Eye Irrit. 2 - H319 : 10<%<=12,5 Eye Dam. 1 - H318 : 12,5<%<=100 Skin Irrit. 2 - H315 : 6,25<=%<=100
N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine	CAS No. : 91273-04-0 Index No. : 613-072-00-9 EC No. : 401-280-0	< 1	Aquatic Chronic 2 - H411 Skin Corr. 1B - H314 Skin Sens. 1 - H317	Not applicable
O,O,O-triphenyl phosphorothioate	CAS No. : 597-82-0 EC No. : 209-909-9	< 0,1	Aquatic Chronic 1 - H410	M-factor: / 10
phenol, dodecyl-, branched	CAS No. : 121158-58-5 Index No. : 604-092-00-9 EC No. : 310-154-3	< 0,1	Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Eye Dam. 1 - H318 Repr. 1B - H360F Skin Corr. 1C - H314	M-factor: 10 / 10

- Note L: DMSO content <3% according to IP 346.

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- Other REACH registration number: 01-2119484627-25-0033, 01-2119484627-25-0014, 01-2119484627-25-0064, 01-2119484627-25-0065 (CAS:64742-54-7)

- If REACH registration numbers are not visible, the substance is exempt from registration, does not exceed the minimum volume threshold for registration, the registration date has not yet arrived, or this information is registered information.

- Paraffin oils: May contain one or more of the following: EC No. 265-157-1, REACH Registration No. 01-2119484627-25, Distillates (petroleum), hydrogen-treated heavy paraffinic; EC No. 265-169-7, REACH Registration No. 01-2119471299-27, Distillates (petroleum), solvent-depolished heavy paraffinic; EC No. 265-158-7, REACH Registry No. 01-2119487077-29, Distillates (petroleum), hydrogen-treated light paraffinic; EC No. 265-159-2, REACH Registry No. 01-2119480132-48, Distillates (petroleum), solvent-polished light paraffinic.

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation	- No special measures are necessary. - Provide fresh air. - When in doubt or if symptoms are observed, get medical advice.
Following skin contact	- After contact with skin, wash immediately with plenty of water and soap. - Remove contaminated clothing and shoes. - When in doubt or if symptoms are observed, get medical advice.
After eye contact	- Remove affected person from the danger area and lay down. - Rinse immediately carefully and thoroughly with eye-bath or water. - 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. - Protect uninjured eye.
After ingestion	- Rinse mouth thoroughly with water. - Do not leave affected person unattended. - Do NOT induce vomiting. - Seek medical advice immediately. - Never give anything by mouth to an unconscious person or a person with cramps. - When in doubt or if symptoms are observed, get medical advice.

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

Symptoms and effects - Following inhalation	- No known symptoms to date.
Symptoms and effects - Following skin contact	- No known symptoms to date. - In rare cases the product can cause temporary erythema of the skin. - Itching.
Symptoms and effects - After eye contact	- Itching. - Redness.
Symptoms and effects - After ingestion	- Nausea

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

- No information available.

- Treat symptomatically.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media	- Carbon dioxide (CO2) - Foam - Dry sand - Dry extinguishing powder
Unsuitable extinguishing media	- Strong water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture	- In case of fire hazardous decomposition products may be formed, such as: Carbon monoxide, Carbon dioxide (CO2). - In case of combustion, emission of toxic fumes. - Thermal decomposition results in the formation of smoke, carbon oxides and low molecular weight organic compounds of unknown composition.
Hazardous decomposition products	- Formation of CO and CO2 in the event of combustion (carbon monoxide - carbon dioxide).

5.3 - Advice for firefighters

- Wear a self-contained breathing apparatus and chemical protective clothing.
- Move undamaged containers from immediate hazard area if it can be done safely.
- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
- Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	- Use personal protection equipment. - Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. - Provide adequate ventilation. - Caution: Spreads are slippery
For emergency responders	- Provide adequate ventilation. - Use personal protection equipment. - Mittens. - Spectacles. - NOTICE: Report spillage to local authorities as appropriate or necessary. - If it can be done without risk, stop the source of leakage. - Limit spillage to prevent further contamination of soil, surface or groundwater. - Use appropriate techniques such as non-flammable absorbent materials or pumping. - Where possible or appropriate, scrape off the soil contaminated by the product from the area. - Place product contaminated materials in disposable containers and dispose of in accordance with regulations.

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- In case of spillage of a heated substance, allow it to cool down before proceeding with disposal methods.
- Provide adequate ventilation.

6.2 - Environmental precautions

- Ensure waste is collected and contained.
- Do not allow to enter into surface water or drains.
- Prevent entry into sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment	- Soak up inert absorbent and dispose as waste requiring special attention. - Collect in closed and suitable containers for disposal.
Methods and material for cleaning up	- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). - Ventilate affected area. - Clear contaminated areas thoroughly. - Clean contaminated articles and floor according to the environmental legislation. - Refer to manufacturer or supplier for information on recovery or recycling. - Do not allow to enter into surface water or drains. - If the product contaminates water tables, rivers or sewers, alert the competent authorities according to regulatory procedures.
Inappropriate techniques	- Never return spills to original containers for reuse.

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8
- Safe handling: see section 7
- See Section 1 for emergency contact information.

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation	- It is recommended to design all work processes always so that the following is excluded:Eye contact - Ensure sufficient ventilation. - Avoid breathing vapours, mist, spray, fumes. - Keep away from sources of ignition - No smoking.
Advices on general occupational hygiene	- Avoid contact with skin, eyes and clothes. - Wash contaminated clothing prior to re-use. - Immediately remove any contaminated clothing, shoes or stockings. - Wash hands before breaks and after work. - Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be exposed to any process in which this product is used. - If exposure limits have not been observed maintain airborne levels at an acceptable level. Provide eye wash station and safety shower.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep/store only in original container.
- Keep container tightly closed in a cool, well-ventilated place.
- Protect against:Heat
- Keep away from:Food and feedingstuffs
- Protect from direct sunlight.

7.3 - Specific end use(s)

- See section 1.2 of the SDS.

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

Distillates (petroleum), hydrotreated, heavy paraffinic [Note L] (64742-54-7)	
IOELV TWA mg/m³ (UE)	5 mg/m³
IOELV TWA mg/m³ (UE)	5 mg/m³

- No exposure limit value is known.
- There is no chemical substance to be specified under this section.

DNEL / PNEC

Distillates (petroleum), hydrotreated light paraffinic [Note L] (64742-55-8)			
Type	**Value**	**User**	**Effect**
DNEL long-term oral (repeated)	0,74 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	2,73 mg/m³	Workers	Systemic
DNEL long-term inhalative	5,58 mg/m³	Workers	Local
DNEL long-term dermal	0,97 mg/kg bw/day	Workers	Systemic
PNEC Secondary Poisoning	9,33 mg/kg		

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)			
Type	**Value**	**User**	**Effect**
DNEL long-term oral (repeated)	0,24 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	8,31 mg/m³	Workers	Systemic
DNEL long-term inhalative	2,11 mg/m³	Consumers	Systemic
DNEL long-term dermal	12,1 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	6,1 mg/kg bw/day	Consumers	Systemic
PNEC aquatic, freshwater	0,004 mg/l		
PNEC aquatic, marine water	0,0004 mg/l		
PNEC aquatic, intermittent release	0,045 mg/l		
PNEC sediment, freshwater	0,022 mg/kg		
PNEC sediment, marine water	0,0022 mg/kg		
PNEC soil	0,002 mg/kg		
PNEC Secondary Poisoning	10,67 mg/kg		
PNEC sewage treatment plant (STP)	100 mg/l		

Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) (2215-35-2)			
Type	**Value**	**User**	**Effect**
DNEL long-term oral (repeated)	0,24 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	8,6 mg/m³	Workers	Systemic
DNEL long-term inhalative	2,13 mg/m³	Consumers	Systemic
DNEL long-term dermal	12,2 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	6,1 mg/kg bw/day	Consumers	Systemic
PNEC aquatic, freshwater	0,004 mg/l		

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PNEC aquatic, marine water	0,0046 mg/l		
PNEC aquatic, intermittent release	0,0045 mg/l		
PNEC sediment, freshwater	0,074 mg/kg		
PNEC sediment, marine water	0,0074 mg/kg		
PNEC soil	0,01 mg/kg		
PNEC Secondary Poisoning	10,67 mg/kg		
PNEC sewage treatment plant (STP)	100 mg/l		

N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine (91273-04-0)

Type	Value	User	Effect
DNEL long-term oral (repeated)	0,25 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	1,76 mg/m³	Workers	Systemic
DNEL long-term inhalative	0,43 mg/m³	Consumers	Systemic
DNEL long-term dermal	0,5 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	0,25 mg/kg bw/day	Consumers	Systemic
PNEC aquatic, freshwater	0,001 mg/l		
PNEC aquatic, marine water	0,0001 mg/l		
PNEC aquatic, intermittent release	0,01 mg/l		
PNEC sediment, freshwater	0,567 mg/kg		
PNEC sediment, marine water	0,057 mg/kg		
PNEC soil	0,2 mg/kg		
PNEC sewage treatment plant (STP)	1 mg/l		

phenol, dodecyl-, branched (121158-58-5)

Type	Value	User	Effect
DNEL long-term oral (repeated)	0,075 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	1,762 mg/m³	Workers	Systemic
DNEL long-term inhalative	0,79 mg/m³	Consumers	Systemic
DNEL long-term dermal	0,25 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	0,075 mg/kg bw/day	Consumers	Systemic
PNEC aquatic, freshwater	7,4E-05 mg/l		
PNEC aquatic, marine water	7E-06 mg/l		
PNEC aquatic, intermittent release	0,00037 mg/l		
PNEC sediment, freshwater	0,226 mg/kg		
PNEC sediment, marine water	0,0226 mg/kg		
PNEC soil	0,118 mg/kg		
PNEC Secondary Poisoning	4 mg/kg		
PNEC sewage treatment plant (STP)	100 mg/l		

8.2 - Exposure controls

Appropriate engineering controls

- Do not eat, drink or smoke during use.
- Ensure adequate ventilation.
- If exposure limits have not been observed maintain airborne levels at an acceptable level. Provide eye wash station and safety shower.

Individual protection measures, such as personal protective equipment

- Lab coat.
- Eye protection

- Tight-fitting goggles.
- In case of risk of splashes: Goggles with side-shields.

- EN 166
- Protective gloves

- Chemical resistant gloves conforming to EN 374.
- Wear suitable chemical resistant gloves.
- Nitrile rubber
- PVA (Polyvinyl alcohol).
- Protective apron.
- Suitable protective clothing:Protective apron

- If there is a danger of contact with hot product, suitable protective equipment must be used, which protects against high temperatures.

Environmental exposure controls	- It is important to test emissions from ventilation systems or process equipment to ensure that they comply with the requirements of environmental protection legislation.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Physical state	Liquid	Appearance	Liquid
Colour	brown	Odour	Odourless or very light like petrol oil

Odour threshold	No information available.
pH	No information available.
Melting point	-39 °C No information available.
Freezing point	No information available.
Boiling point	No information available.
Flash point	224 °C approx. Open vase
Evaporation rate	No information available.
flammability	Not relevant.
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	No information available.
Density	0,86 g/ml approx. @15°C Volumetric.
Solubility (Water)	Insoluble

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Solubility (Ethanol)	No information available.
Solubility (Acetone)	No information available.
Solubility (Organic solvents)	No information available.
Log KOC	No information available.
Auto-ignition temperature	No information available.
Decomposition temperature	No information available.
Kinematic viscosity	12,5 mm²/s < V < 16,3 mm²/s (cSt) @100°C
Dynamic viscosity	No information available.

Particle characteristics

Particle size	No data available
Dustiness	No data available
Specific surface area	No data available
Shape	No data available

9.2 - Other information

VOC content	Undetermined
Minimum ignition energy	No data available
Conductivity	No data available
Refractive index	No data available
Solids content	No data available
Surface tension	No data available
Saturation concentration	No data available

- No data available.

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

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

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- Stable under recommended storage and handling conditions.
- Keep away from: strong acids and strong oxidants.
- The product can decompose at high temperature.

10.5 - Incompatible materials

- Strong oxidising agents.
- Strong acids.
- Inorganic halides.

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10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.
- In combustion emits toxic fumes.
- Carbon dioxide (CO2)
- Carbon monoxide
- Oil vapours in case of overheating.
- Nitrogen oxides (NOx)
- Hydrogen sulphide (H2S).

SECTION 11: Toxicological information

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

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation gas (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- The product has not been tested.
- Based on available data, the classification criteria are not met.

Toxicity : Substances

Distillates (petroleum), hydrotreated light paraffinic [Note L] (64742-55-8)	
LD50 oral (rat)	> 5000 mg/kg (OECD Guideline 401, Acute Oral Toxicity)
LD50 dermal (rabbit)	> 5000 mg/kg (OECD Guideline 402, Acute Dermal Toxicity)

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)	
LD50 oral (rat)	3100 mg/kg (OECD Guideline 401, Acute Oral Toxicity)
LD50 dermal (rat)	> 2002 mg/kg

Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) (2215-35-2)	
LD50 oral (rat)	2230 mg/kg (OECD Guideline 401, Acute Oral Toxicity)
LD50 dermal (rabbit)	> 25000 mg/kg (OECD Guideline 402, Acute Dermal Toxicity)
LC50 inhalation dusts and mists (rat)	> 5 mg/l (OECD Guideline 403, Acute inhalation toxicity)

N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine (91273-04-0)	
LD50 oral (rat)	2356 mg/kg (OECD Guideline 401, Acute Oral Toxicity)
LD50 dermal (rat)	> 2000 mg/kg (OECD Guideline 402, Acute Dermal Toxicity)

phenol, dodecyl-, branched (121158-58-5)	
LD50 oral (rat)	2100 mg/kg (OECD Guideline 401, Acute Oral Toxicity)
LD50 dermal (rabbit)	15000 mg/kg (OECD Guideline 402, Acute Dermal Toxicity)

Skin corrosion/irritation	- Not classified
	- Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	- Not classified
	- Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	- Not classified
	- Based on available data, the classification criteria are not met.
Germ cell mutagenicity	- Not classified
	- Based on available data, the classification criteria are not met.
Carcinogenicity	- Not classified
	- Based on available data, the classification criteria are not met.
Reproductive toxicity	- Not classified
	- Based on available data, the classification criteria are not met.
STOT-single exposure	- Not classified
	- Based on available data, the classification criteria are not met.
STOT-repeated exposure	- Not classified
	- Based on available data, the classification criteria are not met.
Aspiration hazard	- Not classified
	- Based on available data, the classification criteria are not met.

11.2 - Information on other hazards

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

SECTION 12: Ecological information

12.1 - Toxicity

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Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- The product has not been tested.
- Harmful to aquatic life with long lasting effects.

Toxicity : Substances

Distillates (petroleum), hydrotreated light paraffinic [Note L] (64742-55-8)	
EC50 48 hr crustacea	> 10000 mg/l Daphnia magna (Big water flea)
LC50 96 hr fish	> 100 mg/l Pimephales promelas (fathead minnow)
NOEC chronic algae	> 100 mg/l Pseudokirchneriella subcapitata

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)	
EC50 48 hr crustacea	23 mg/l Daphnia magna (Big water flea) OECD 202
LC50 96 hr fish	4,5 mg/l Oncorhynchus mykiss (rainbow trout)
ErC50 algae	21 mg/l Desmodesmus subspicatus OECD 201
NOEC chronic crustacea	> 0,53 mg/l Daphnia magna (Big water flea) OECD 211

Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) (2215-35-2)	
EC50 48 hr crustacea	23 mg/l Daphnia magna (Big water flea) OECD 202
LC50 96 hr fish	4,5 mg/l OECD 203
ErC50 algae	24 mg/l Scenedesmus subspicatus OECD 201

NOEC chronic crustacea	0,4 mg/l Daphnia magna (Big water flea)

N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine (91273-04-0)	
EC50 48 hr crustacea	2,2 mg/l Daphnia magna (Big water flea) EU Method C.2
LC50 96 hr fish	1,1 mg/l Danio rerio (zebra-fish) OECD 203
NOEC chronic fish	> 100 mg/l OECD 215
NOEC chronic crustacea	0,069 mg/l Daphnia magna (Big water flea) OECD 211
NOEC chronic algae	0,32 mg/l Desmodesmus subspicatus OECD 211

phenol, dodecyl-, branched (121158-58-5)	
EC50 48 hr crustacea	0,037 mg/l Daphnia magna (Big water flea) OECD 202
LC50 96 hr fish	40 mg/l Pimephales promelas (fathead minnow) OECD 203
ErC50 algae	0,36 mg/l Scenedesmus subspicatus OECD 201
NOEC chronic crustacea	0,004 mg/l Daphnia magna (Big water flea) OECD 211
NOEC chronic algae	0,07 mg/l Scenedesmus subspicatus

12.2 - Persistence and degradability

Mixture

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.
- The product contains a substance that does not degrade easily.

Substances

Distillates (petroleum), hydrotreated light paraffinic [Note L] (64742-55-8)	
% of biodegradation in 28 days	31,13 % Not readily biodegradable (according to OECD criteria).

Distillates (petroleum), hydrotreated, heavy paraffinic [Note L] (64742-54-7)	
% of biodegradation in 28 days	31 % Not readily biodegradable (according to OECD criteria). OECD 301F
% of biodegradation in 28 days	31 % Not readily biodegradable (according to OECD criteria). OECD 301F

Bis(nonylphenyl)amine (36878-20-3)	
% of biodegradation in 28 days	1 % Not readily biodegradable (according to OECD criteria). OECD 301B

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)	
% of biodegradation in 28 days	1,5 % Not readily biodegradable (according to OECD criteria). OECD 301B (aerobik conditions)

Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) (2215-35-2)	
% of biodegradation in 28 days	1,5 % Not readily biodegradable (according to OECD criteria). OECD 301B

N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine (91273-04-0)	
% of biodegradation in 28 days	5 % Not readily biodegradable (according to OECD criteria). (aerobik conditions) Activated sludge OECD 301B

phenol, dodecyl-, branched (121158-58-5)	
% of biodegradation in 28 days	< 10 % Not readily biodegradable (according to OECD criteria).

12.3 - Bioaccumulative potential

Mixture

Bioconcentration factor (BCF)	No data available
Log KOC	No information available.

- No indication of bioaccumulation potential.
- The product contains a bioaccumulating substance.

Substances

Bis(nonylphenyl)amine (36878-20-3)	
Bioconcentration factor (BCF)	1584,3 May accumulate in organisms.

12.4 - Mobility in soil

- The product is immiscible with water and will spread on the surface of water.

12.5 - Results of PBT and vPvB assessment

- The substances in this mixture do not meet the PTB/vPvB criteria of REACH annex XIII.

- The substances in this mixture do not meet the PTB/vPvB criteria of REACH annex XIII.

12.6 - Endocrine disrupting properties

Endocrine disruptors	phenol, dodecyl-, branched (Index No.: 604-092-00-9 - EC No.: 310-154-3 - CAS No.: 121158-58-5)

- This product does not have endocrine disrupting properties.

12.7 - Other adverse effects

- No data available.
- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods	- Dispose of waste according to applicable legislation. - Handle contaminated packages in the same way as the substance itself.
Sewage disposal	- Do not empty into drains.
Special precautions for waste treatment	- Consult the appropriate local waste disposal expert about waste disposal. - The waste is to be kept seperate from other types of waste until its recycling. - For recycling, contact recycling exchanges. - Non-contaminated packages must be recycled or disposed of.
Community or national or regional provisions	- Dispose of waste according to applicable legislation.

SECTION 14: Transport information

14.1 - UN number or ID number

Not applicable

14.2 - UN proper shipping name

Not applicable

14.3 - Transport hazard class(es)

Not applicable

14.4 - Packing group

Not applicable

14.5 - Environmental hazards

Not applicable

14.6 - Special precautions for user

Not applicable

14.7 - Maritime transport in bulk according to IMO instruments

Not applicable

- Not applicable.

SECTION 15: Regulatory information

15.1 - Safety, health and environmental regulations/legislation specific for the substance or mixture

Substances REACH candidates	None
Substances Annex XIV	None
Substances Annex XVII	None
VOC content	No data available

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product	- A chemical safety assessment has been conducted for this mixture.

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
2	25/02/2025		Updated according to current legislation.
1	04/10/2019		It was prepared for the first time.

Issued by: Sena Ezgi Selçuk

Abbreviations and acronyms

- ADR: The Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE: Acute Toxicity Estimate.
- CAS No.: Chemical Abstracts Service number.
- DNEL: Derived no-effect level.
- EC No: European Community number
- EC50: Effective concentration of the substance that causes adverse effects in 50% of test animals.
- IATA: International Air Transport Association.
- ICAO: International Civil Aviation Organization
- IMDG: International Maritime Dangerous Goods.
- LC50: Lethal Concentration to 50 % of a test animals.
- LD50: Lethal Dose to 50% of a test animals.
- OEL: Occupational exposure limit.
- PBT: Persistent, Bioaccumulative and Toxic.
- PNEC: Predicted no-effect concentration.
- RID: International Carriage of Dangerous Goods by Rail.
- STEL: Short-term exposure limit
- TWA: Time weighted average
- vPvB: very Persistent and very Bioaccumulative.

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Texts of the regulatory sentences

Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Aquatic Chronic 4	Hazardous to the aquatic environment - Aquatic Chronic 4
Asp. Tox. 1	Aspiration hazard - Category 1
Eye Dam. 1	Serious eye damage, Category 1
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H360F	May damage fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
Not Classified	Not classified
Repr. 1B	Reproductive toxicity - Category 1B (H360F)
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Corr. 1C	Skin corrosion, Category 1C
Skin Irrit. 2	Irritation, Category 2
Skin Sens. 1	Skin sensitization - Category 1

The information provided in this Safety Data Sheet (SDS) is current on the date the SDS was prepared or revised. Implementation of measures that are provided on SDS is under downstream user companies' responsibility. Downstream users may change the measures in the SDS according to the conditions in their own business.

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