

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC MOL-LUB Ltd.

Trade name: MOL Dynamic Garden 4T 10W-30 small garden motor oil

Version: 10 Latest revision: 17. 11. 2022 Date of issue: 20. 06. 2007 Page: 1/(18)

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

1.1 Product identifier:

MOL Dynamic Garden 4T 10W-30 small garden motor oil

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

Relevant identified uses: small garden motor oil.

Uses advised against: application other than the above.

1.3 Details of the supplier of the safety data sheet:

MOL-LUB Lubricant Production Distribution and Service Ltd.

H-2931 Almásfüzitő, Fő út 21., Hungary

Phone / Fax: +36 34 526 330 / +36 34 526 391

E-mail: kenoanyag@mol.hu

Request SDS of:

MOL-LUB Lubricant Production Trade and Service Limited Liability Company

Customer Service Center

H-2931 Almásfüzitő, Fő út 21., Hungary

Phone / Fax: +36 80 201 296 / +36 34 348 010

Responsible for SDS:

MOL-LUB Ltd.

Phone: +36 80 201 296

e-mail: EBKHelpdesk@MOL.hu

1.4 Emergency telephone number

Emergency telephone (on workdays: 07-1520 h (CET)): +36 34 526 210

Health Toxicological Information Service (ETTSZ 1097 Budapest, Albert Flórián st. 2-6.)

Tel.: +36 80 201 199 (0-24 h, free number, can only be called from Hungary).

+36 1 476 6464 (0-24 h, can be called for a normal fee - also from abroad)

National Health Toxicological Information Service:

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

Hazard Class and Category: Hazard statement:

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting

effects.



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2.2 Label elements

Product identification: Trade name: MOL Dynamic Garden 4T 10W-30 small garden

motor oil

Hazardous components: -

GHS Pictogram: not required Signal word: not required

Hazard statement:

H412 Harmful to aquatic life with long lasting effects.

Supplemental hazard information:

EUH208 Contains Calcium long chain alkaryl sulfonate. May produce an allergic reaction.

Precautionary statements – General: -

Precautionary statements – Prevention:

P273 Avoid release to the environment.

Precautionary statements – Response: -

Precautionary statements - Storage: -

Precautionary statements – Disposal:

P501 Dispose of contents/container in accordance with national regulation.

Other liabilities for labelling:

Tactile warning of danger: not required.

Transport classification: see section 14.

2.3 Other hazards

The product does not contain any PBT or vPvB substance according to annex XIII of regulation (EC) 1907/2006, at a concentration of 0.1% or more.

The product contains an endocrine disrupting ingredient: Phenol, dodecyl-, branched (CAS: 121158-58-5)

Endocrine disrupting properties (Article 57(f) - human health);

Endocrine disrupting properties (Article 57(f) - environment).



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SECTION 3 Composition/information on ingredients

3.2 Mixtures

Chemical description: Mixture of refined mineral base oils containing additives.

Component(s) / Hazardous component(s):

Name	EC	CAS	Hazard classes and	Hazard	Conc.
Name	number	number	cat.	statements	% (m/m)
Distillates (petroleum), solvent-dewaxed heavy para ffinic* REACH Registr. Nr.: 01-2119471299-27	265-169-7	64742-65-0	- (Note L)	-	max.90
Distillates (petroleum), hydrotreated heavy paraffinic* REACH Registr. Nr.: 01-2119484627-25	265-157-1	64742-54-7	- (Note L)	-	max.65
Base oil – unspecified, hydrotreated neutral oil-based, C20-C50* REACH Registr. Nr.: 01-2119474889-13	276-738-4	72623-87-1	(Note L)	-	max.50
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based* REACH Registr. Nr.: 01-2119474878-16	276-737-9	72623-86-0	(Note L)	-	max.30
Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated* REACH Registr. Nr.: 01-2119489969-06	309-877-7	101316-72-7	(Note L)	-	max.50
Distillates (petroleum), solvent-refined heavy paraffinic* REACH Registr. Nr.: 01-2119474878-16	265-090-8	64741-88-4	(Note L)	-	max.50
Lubricating oils* REACH Registr. Nr.: 01-2119495601-36	278-012-2	74869-22-0	(Note L)	-	max.50
Mineral oil raffinate (C15-50)*		mixture	- (Note L)	-	max. 6.0



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Name	EC	CAS	Hazard classes and	Hazard	Conc.
	number	number	cat.	statements	%(m/m)
Distillates (petroleum), solvent-dewaxed light paraffinic REACH Registr. Nr.: 01-2119480132-48	265-159-2	64742-56-9	Asp. Tox. 1 (Note L)	H304	max.3.0
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyland iso-Pr) esters, zinc salts** REACH Registr. Nr.: 01-2119493626-26	283-392-8	84605-29-8	Skin Irrit. 2 Eye Dam. 1 Aquatic Chronic 2	H315 H318 H411	max.1.3
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased REACH Registr. Nr.: 01-2119524004-56	701-251-5	-	Aquatic Chronic 4	H413	max.1.3
Zinc alkyl dithiophosphate REACH Registr. Nr.: 01-2119657973-23	272-238-5	68784-31-6	Eye Dam. 1 Aquatic Chronic 2	H318 H411	max.1.1
Bis(nonylphenyl)amine REACH Registr. Nr.: 01-2119488911-28	253-249-4	36878-20-3	Aquatic Chronic 4	H413	max.1.1
Calcium long chain alkaryl sulfonate*** REACH Registr. Nr.: no data	polymer	722503-68-6	Skin Sens. 1 Aquatic Chronic 4	H317 H413	max.1.1
Phenol, dodecyl-, branched REACH Registr. Nr.: 01-21 19513207-49	310-154-3	121158-58-5	Skin Corr. 1C Eye Dam. 1 Repr. 1B Aquatic Acute 1 Aquatic Chronic 1	H314 H318 H360F H400 (M=10) H410 (M=10)	max.0.18
Phenol, (tetrapropenyl) derivatives REACH Registr. Nr.: no data	616-100-8	74499-35-7	Skin Corr. 1C Eye Dam. 1 Repr. 1B Aquatic Acute 1 Aquatic Chronic 1	H314 H318 H360F H400 (M=10) H410 (M=10)	max. 0.04

^{*:} with exposure limit

^{**}Specific concentration limit: Skin Irrit. 2; : $6.25 \% \le C \le 100 \%$; Eye Irrit. 2; : $10 \% < C \le 12.5 \%$; Eye Dam. 1; : $12.5 \% < C \le 100 \%$

^{***}Specific concentration limit: Skin Sens. 1. H317: C>1.3%



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Note L: The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 ("Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method" Institute of Petroleum, London), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

The full text of each relevant H-phrase and Hazard classes and cat. see in Section 16.

SECTION 4 First aid measures

4.1 Description of first aid measures

General information: Never give anything by mouth to an unconscious person, or never

induce vomiting.

Inhalation: Remove the affected person to fresh air. If rapid recovery does not occur, obtain

medical attention.

Skin contact: Remove contaminated clothing. Wash skin with large amounts of water, use

soap. In case of persistent irritation, get medical attention.

Eye contact: Flush eyes with plenty of water for 10-15 minutes. In case of persistent irritation,

get medical attention.

Ingestion: If swallowed, give water. Do not induce vomiting. Get medical attention.

Protection of first-aid person: No individual specifications.

4.2 Most important symptoms and effects, both acute and delayed

May produce an allergic reaction.

Prolonged and/or repeated contact may cause irritation on skin or in eyes depending on individual sensitivity.

4.3 Indication of any immediate medical attention and special treatment needed Not required.

SECTION 5 Fire-fighting measures

Fire hazards:

Combustible.

5.1 Extinguishing media

Suitable extinguishing media:

Foam, carbon dioxide, dry chemical powder, water fog (trained personnel only).

Unsuitable extinguishing media:

Full water jet.



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5.2 Special hazards arising from the substance or mixture

Hazardous combustion products:

On burning, carbon dioxide, carbon monoxide, sulphur oxides, nitrogen oxides, phosphor oxides, various hydrocarbons and soot can be formed.

5.3 Advice for fire-fighters

Special protective equipment:

According to the existing fire-fighting regulations. Respiratory protection.

Further information:

Collect contaminated firefighting water separately. It must not enter the sewage system.

Contaminated extinguishing water must be disposed of in accordance with official regulations.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: see Section 8.

Danger of slipping on leaked out/spilled product.

6.2 Environmental precautions:

Confine spills to prevent material from entering sewers, watercourses, drains and into soil Notify relevant authority.

6.3 Methods and material for containment and cleaning up

On soil: All kind of ignition sources should be removed. Recover free liquid by

pumping. Contain the rest or small quantities with sand, earth or other suitable

absorbents. Dispose of according to local regulations.

On water: Confine the spillage. Remove from surface by skimming or suitable

absorbents. Notify local authorities according to regulations.

6.4 Reference to other sections

Personal precautions: see section 8.

Waste treatment methods: see section 13.

SECTION 7 Handling and storage

7.1 Precautions for safe handling

Keep general measures applied for normal operations with lubricants and flammable liquids.

Keep away from radiant heat and open flame.

Avoid contact with skin and eyes. Avoid prolonged breathing of oil vapours or mists.

Wash hands before breaks and at end of work.

Take off contaminated clothing and wash it before reuse.

When using do not eat, drink or smoke. Avoid splashing the product.

Handling temperature: not known.



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7.2 Conditions for safe storage, including any incompatibilities

Storage facilities must comply with regulations for storing of flammable liquids.

Store in dry, well-ventilated place in original, closed containers.

Keep away from radiant heat, open flame and strong oxidizing agents.

Storage temperature: max. 40°C.

7.3 Specific end use(s)

Small garden motor oil.

SECTION 8 Exposure controls / personal protection

8.1 Control parameters:

Mineral oil mist: TWA: 5 mg/m³; STEL: 10 mg/m³, for oil mist, vapour excluded

(ACGIH).

Method of testing, recommended: NIOSH 5026

8.2 Exposure controls

Engineering control measures:

Not required.

Personal protection:

(a) Eye/face protection Protective goggles, at potential of splashing (EN 166).

(b) Skin protection

(i) Hand protection Oil resistant gloves (EN 374, Breakthrough time > 480 min, PK

power level: 6; PR flow rate: 0).

Note: Manufacturer's directions for use and the conditions of

application should be observed.

(ii) Other Protective clothing (oil resistant).

(c) Respiratory protection Under normal conditions not required. In case of exceeded

exposure-limits respiratory protection with particle-filter is

recommended.

(d) Thermal hazards No data.

Environmental exposure controls:

Do not discharge into drains/surface waters/groundwater.



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SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Physical state: liquid

b) Colour: brown, clear characteristic

d) Melting point/freezing point (Dropping point) (ISO

3016): typ. -36°C

e) Boiling point or initial boiling point and boiling

range (DIN 51356): not available Flammability: combustible

g) Lower and upper explosion limit: not explosive

h) Flash point (COC) (EN ISO 2592): typ. 230°C

i) Auto-ignition temperature: not availablej) Decomposition temperature: not available

k) pH: not applicable

l) Kinematic viscosity (EN ISO 3104)

at 40°C: typ. 78.6 mm²/s at 100°C: typ. 11.7 mm²/s

m) Solubility

Solubility in water: practically insoluble in water

Solubility in other solvents:

n) Partition coefficient n-octanol/water (log value):

n) Vapour pressure at 20°C:

not available
negligible

p) Density and/or relative density at 15°C (EN ISO

12185): $0.860 - 0.880 \text{ g/cm}^3$

q) Relative vapour density: not available r) Particle characteristics: not available

9.2 Other information

No data available.

SECTION 10 Stability and reactivity

10.1 Reactivity: Dangerous reactivity not known.

10.2 Chemical stability: No decomposition if stored and handled properly.

10.3 Possibility of hazardous reactions: Not known.



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10.4 Conditions to avoid: Direct heat or ignition sources.

10.5 Incompatible materials: Strong oxidizing agents.

10.6 Hazardous decomposition products: No dangerous decomposition products are formed under

normal conditions. Hazardous combustion products: See

Section 5.

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

Oral: LD_{50} (rat) > 2000 mg/kg (based on components) Dermal: LD_{50} (rabbit) > 2000 mg/kg (based on components)

Components:

Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS: 64742-65-0)

Distillates (petroleum), solvent-dewaxed light paraffinic (CAS: 64742-56-9)

Oral: LD_{50} (rat) >5000 mg/kg (literature data) Dermal: LD_{50} (rabbit) >2000 mg/kg (literature data) Inhalation: LC_{50} (rat) >5.53 mg/L (4 h) (literature data)

Distillates (petroleum), hydrotreated heavy paraffinic (CAS: 64742-54-7)

Base oil – unspecified, hydrotreated neutral oil-based, C20-C50 (CAS: 72623-87-1)

 $\begin{array}{lll} \text{Oral:} & LD_{50} \ (\text{rat}) & > 5000 \ \text{mg/kg} \\ \text{Dermal:} & LD_{50} \ (\text{rabbit}) & > 2000 \ \text{mg/kg} \\ \text{Inhalation:} & LC_{50} \ (\text{rat}) & > 5.53 \ \text{mg/L} \end{array}$



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Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (CAS: 72623-86-0)

 $\begin{array}{lll} \text{Oral:} & LD_{50} \ (\text{rat}) & > 5000 \ \text{mg/kg} \\ \text{Dermal:} & LD_{50} \ (\text{rabbit}) & > 2000 \ \text{mg/kg} \end{array}$

Inhalation: LC_{50} (rat) > 5000 mg/m³ (dust, mist)

Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated (CAS: 101316-72-7)

Distillates (petroleum), solvent-refined heavy paraffinic (CAS: 64741-88-4)

 $\begin{array}{lll} \text{Oral:} & \text{LD}_{50} \, (\text{rat}) & > 5000 \, \text{ mg/kg} \\ \text{Dermal:} & \text{LD}_{50} \, (\text{rabbit}) & > 5000 \, \text{ mg/kg} \\ \text{Inhalation:} & \text{LC}_{50} \, (\text{rat}) & > 5.53 \, \text{ mg/L} \, (4 \, \text{h}) \end{array}$

Lubricating oils (CAS: 74869-22-0)

 Oral:
 LD_{50} (rat)
 > 5000 mg/kg
 (OECD 401)

 Dermal:
 LD_{50} (rabbit)
 > 5000 mg/kg
 (OECD 402)

 Inhalation:
 LC_{50} (rat)
 > 5.53 mg/L (4 h)
 (OECD 403)

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased (EC: 701-251-5)

 $\begin{array}{lll} \text{Oral:} & \text{LD}_{50} \left(\text{rat}\right) & > 5000 \text{ mg/kg} \\ \text{Dermal:} & \text{LD}_{50} \left(\text{rabbit}\right) & > 4000 \text{ mg/kg} \\ \text{Inhalation:} & \text{LC}_{50} \left(\text{rat}\right) & > 1.67 \text{ mg/L} \left(1 \text{ h}\right) \end{array}$

Phenol, (tetrapropenyl) derivatives (CAS: 74499-35-7)

Oral: LD_{50} (rat) 2200 mg/kg (OECD 401) Dermal: LD_{50} (rabbit) 15000 mg/kg (OECD 402)

Skin corrosion/irritation: Based on available data, the classification criteria are not met. Serious eye damage/irritation: Based on available data, the classification criteria are not met. Respiratory or skin sensitisation: Based on available data, the classification criteria are not met. 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: 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

The product contains an endocrine disrupting ingredient: Phenol, dodecyl-, branched (CAS: 121158-58-5) Endocrine disrupting properties (Article 57(f) - human health).



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SECTION 12 Ecological information Harmful to aquatic life with long lasting effects. 12.1 Toxicity Components: Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS: 64742-65-0) Fishes: LC_{50} > 100 mg/L(literature data) > 100 mg/LDaphnia: EC_{50} (literature data) Other aquatic organisms: EC_{50} > 100 mg/L(literature data) Algae: ErC₅₀ > 100 mg/L(literature data) Other living beings: TLM > 1 mg/L(literature data) Distillates (petroleum), solvent-dewaxed light paraffinic (CAS: 64742-56-9) Fishes: LC_{50} > 100 mg/LOther aquatic organisms: EC_{50} > 100 mg/LAlgae: ErC_{50} > 100 mg/LCrustacea: **NOEC** > 1 mg/LDistillates (petroleum), hydrotreated heavy paraffinic (CAS: 64742-54-7) Fishes: > 1000 mg/L96 h (OECD 203) Daphnia: > 100 mg/L48 h (OECD 202) Algae: > 100 mg/L72 h (OECD 201) Base oil – unspecified, hydrotreated neutral oil-based, C20-C50 (CAS: 72623-87-1) Fishes: > 100 mg/L LC_{50} Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (CAS: 72623-86-0) **NOEC** $\geq 100 \text{ mg/L}$ 72 h Algae: Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated (CAS: 101316-72-7) > 100 mg/LFish: LC_{50} (LL50) > 10000 mg/LDaphnia: EC_{50} WAF, 48 h, (OECD 202) Distillates (petroleum), solvent-refined heavy paraffinic (CAS: 64741-88-4) Fish (Pimephales promelas): LC_{50} > 100 mg/L96 h Daphnia (Daphnia magna): > 10000 mg/L EL_{50} 48 h 0.02 mg/LDaphnia (Daphnia magna): **NOEC** Algae (Pseudokirchneriella subcapitata): NOEL > 100 mg/L72 h Activated sludge (Photobacterium phosphoreum): NOEL 1.93 mg/L 96 h



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Lubricating oils (CAS: 74869-22-0)					
Fish:	LL50	≥ 100	mg/L	96 h	
Fish:	NOEL	≥ 100	_	96 h	
Daphnia (Daphnia magna):	EL50	> 10000		48 h (OECD 202)	
Daphnia (Daphnia magna):	NOEL	> 1000	_	48 h	
Daphnia (Daphnia magna):	NOEL		mg/L	(OECD 211)	
Algae:	NOEL	≥ 100	_	72 h (OECD 201)	
Phosphorodithioic acid, mixed O,O-bis(84605-29-8)	1,3-dimethylb	utyl and iso-	Pr) este	ers, zinc salts (CAS:	
Fishes (Oncorhynchus mykiss):	LC_{50}	4.5	mg/L	96 h	
Fishes (Mutton-headed carp):	LC_{50}		mg/L	96 h	
Fishes (Oncorhynchus mykiss):	NOEC		mg/L	96 h	
Daphnia:	EC ₅₀		mg/L	48 h	
Daphnia:	EC_{50}		mg/L	21 days	
Daphnia:	NOEC		mg/L	48 h	
Daphnia:	NOEC		mg/L	21 days	
Green algae:	EC_{50}		mg/L	72 h	
Green algae:	NOEC		mg/L	72 h	
			mg 2	, 2 11	
Phenol, (tetrapropenyl) derivatives (CAS			/т	0.61	
Fishes (Fat-headed carp):	LC_{50}		mg/L	96 h	
Daphnia:	EC_{50}	0.037	_	48 h	
Shrimp (Mysidopsis Bahia):	EC_{50}	> 0.58	_	96 h	
Daphnia:	EC_{50}	0.0079		21 days	
Daphnia:	NOEC	0.0037		21 days	
Algae:	EC_{50}		mg/L	72 h	
Microorganisms (activated sludge):	EC_{50}	> 1000	mg/L	0,1 day	
Phenol, dodecyl-, sulfurized, carbonates	s, calcium salts	s, overbased	(EC: 70	01-251-5)	
Fish (Pimephales promelas):	LL_{50}	> 1000	mg/L	96 h	
Mikroorganisms:	EL_{50}	> 10000	mg/L	3 h	
Daphnia magna: Algae	EL_{50}	> 1000		48 h	
(Pseudokirchneriella subcapitata):	EL_{50}	> 500	mg/L	96 h	
Zina alla dithianh amh ata (CAS, 69794	-31-6)				
Zinc aikyi aiiniophosphaie (CAS: 00/04	-31-0)				
	LC ₅₀	4,5	mg/L	96 h	
Zinc alkyl dithiophosphate (CAS: 68784 Fish (Oncorhynchus mykiss): Fish (Mutton-headed carp):	*		_	96 h 96 h	
	LC_{50}	46	mg/L mg/L		



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	Daphnia:	EC_{50}	> 0.8	mg/L	21 days
	Daphnia:	NOEC	10	mg/L	48 h
	Daphnia:	NOEC		mg/L	21 days
	Green algae:	EC_{50}	21	mg/L	72 h
	Green algae:	NOEC	10	mg/L	72 h
	Phenol, dodecyl-, branched (CAS: 12115	(8-58-5)			
	Fish (Fat-headed carp):	LC_{50}	40	mg/L	96 h
	Daphnia:	EC_{50}	0.037	_	48 h
	Shrimp (Mysidopsis Bahia):	EC_{50}	> 0.58		96 h
	Daphnia:	EC_{50}	0.0079		21 days
	Daphnia:	NOEC	0.0037	mg/L	21 days
	Algae:	EC_{50}		mg/L	72 h
	Microorganisms (activated sludge):	EC_{50}	> 1000	_	0.1 day
12.2	Persistence and degradability				
12.2	Biodegradability:	Hydrocarbon	s are inher	ently degr	adable.
	Zinc alkyl dithiophosphate (CAS: 68784-	2		, ,	
	31-6)	1.5% (28 day	s, OECD	rG 301B)	
	Phenol, dodecyl-, branched (CAS:				
	121158-58-5)	25 % (28 day	s, OECD 7	G 301 B)	
	Phosphorodithioic acid, mixed O,O-				
	bis(1,3-dimethylbutyl and iso-Pr) esters,				
	zinc salts (CAS: 84605-29-8)	1,5% (28 day	s, OECD	rG 301B)	
	Phenol, (tetrapropenyl) derivatives				
	(CAS: 74499-35-7)	25 % (28 day	s, OECD 7	G 301 B)	
12.3	Bioaccumulative potential	No data avail	able.		
12.0	210 W G G G G G G G G G G G G G G G G G G	1,0 0000 0,7011			
12.4	Mobility in soil:	Absorbs in so	oil.		
	Mobility in water:	Floats on wat	er.		
12.5	Results of PBT and vPvB assessment	Doos not co	ntoin DDT	and vDv	B substances, at a
12.3	Results of FB1 and VFVB assessment	concentration			b substances, at a
12.6	Endocrine disrupting properties	1			docrine disrupting
					branched (CAS:
			•		rupting properties
		(Article 57(f)	- environi	nent).	



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12.7 Other adverse effects

Heavy metal content: None.

PCT, PCB and other chlorinated

hydrocarbons: None.

Water hazard class (German): WGK 2 (Classification by AwSV)

SECTION 13 Disposal considerations

13.1 Waste treatment methods

Product disposal:

Wastes of the product or used oil should be treated as hazardous waste.

Waste Identification Code: 13 02 05*

Mineral-based non-chlorinated engine, gear and lubricating oils.

Waste Identification Code: 13 02 06* Synthetic engine, gear and lubricating oils.

Disposal must be in compliance with national and local regulations.

Recommended waste treatment method: incineration

Packaging disposal:

Containers with product residue should also be treated as hazardous waste according to national and local disposal regulations.

Waste Identification Code: 15 01 10*

Packaging containing residues of or contaminated by dangerous substances.

Disposal must be in compliance with national and local regulations.

Wastewater:

Quality of wastewater emitted to natural water must comply with national and local regulations.

Care should be taken in any case to ensure compliance with EC, national and local regulations. It is the responsibility of the user to know all relevant national and local regulations.



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SECTION 14 Transport information

Land transport:

Road/Railway ADR/RID: Not classified.

14.1. UN number or ID number: Not classified. 14.2. UN proper shipping name: Not classified. Transport hazard class(es): 14.3. Not classified. 14.4. Packing group: Not classified.

14.5. Environmental hazards: Not classified.

Special precautions for user: Not classified. 14.6.

Waterways:

Inland waterways/ Sea transport ADN/IMDG: Not apply to the product.

Air transport: ICAO / IATA: Not apply to the product.

SECTION 15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture This safety data sheet has been prepared according to Regulation (EC) No 1907/2006 (mod.: 2020/878/EU) and to Regulation (EC) 1272/2008.

Seveso category: not classified.

15.2 Chemical safety assessment.

not available

SECTION 16 Other information

The information given in this data sheet is based on our best knowledge at the time of publication. The information is related only to this product and is intended to assist its safe transport, handling and use. The given physical and chemical parameters describe the product only for the purpose of safety requirements and therefore should not be construed as guaranteeing any specific property of the product or as being part of a product specification or any contract.

The manufacturer or supplier shall not take responsibility for any damages from the use other than recommended or other misuse of the product. It is the responsibility of the user to keep regulatory precautions and observe recommendations for safe use of the product.



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Classification for mixtures and used evaluation method according to regulation 1272/2008/EC

(CLP)

Aquatic Chronic 3 H412 calculated

The full text of each relevant H-phrase and Hazard classes and cat. in Section 3.:

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.

H413 May cause long lasting harmful effects to aquatic life.

Asp. Tox. 1 Aspiration hazard Category 1

Skin Corr. 1C Skin corrosion/irritation Category 1C Skin Irrit. 2 Skin corrosion/irritation Category 2

Skin Sens. 1B Respiratory/skin sensitization Category 1B Eye Dam. 1 Serious eye damage/eye irritation Category 1

Repr. 1B Reproductive toxicity Category 1B

Aquatic Acute 1 Hazardous to the aquatic environment, Acute Category 1
Aquatic Chronic 1 Hazardous to the aquatic environment, Chronic Category 1
Aquatic Chronic 2 Hazardous to the aquatic environment, Chronic Category 2
Aquatic Chronic 4 Hazardous to the aquatic environment, Chronic Category 4

Legend:

ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland

Waterways

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE Acute Toxicity Estimate
BCF Bioconcentration Factor
BOD Biological Oxygen Demand

Bw Body Weight

C&L Classification and Labelling CAS Chemical Abstracts Service

CLP Classification, Labelling and Packaging (1272/2008/EC)



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CMR Carcinogenic, Mutagenic or toxic to Reproduction

COD Chemical Oxygen Demand
CSA Chemical Safety Assessment
CSR Chemical Safety Report
DMEL Derived Minimal Effect Level
DNEL Derived No Effect Level
ECHA European Chemicals Agency
Ecx Effective Concentration x%

ErC50 EC50 in terms of reduction of growth rate

Edx Effective Dose x%
EC European Community
EC number European Community

EC number European Community number

ELINCS European List of Notified Chemical Substances

ES Exposure Scenario

IARC International Agency for Research on Cancer
IATA International Air Transport Association
IMDG International Maritime Dangerous Goods

LCx Lethal Concentration x %

LDx Lethal Dose x%

LOAEC Lowest Observed Adverse Effect Concentration

LOAEL Lowest Observed Adverse Effect Level LOEC Lowest Observed Effect Concentration

LOEL Lowest Observed Effect Level NOEC No observed effect concentration

NOEL No observed effect level NLP No-Longer Polymer

NOAEL No Observed Adverse Effect Level

OECD Organisation for Economic Cooperation and Development

PBT Persistent Bioaccumulative and Toxic
PNEC Predicted No-Effect Concentration

ppm parts/million

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals

RID Regulations concerning the International carriage of Dangerous Goods by Rail

SVHC Substance of Very High Concern

UVCB substance of unknown or variable composition, complex reaction products or biological materials

VOC Volatile organic compounds

vPvB Very Persistent and very Bio-accumulative

Revision Indicators:

Section	Subject of change	Date	Version
9	Physical and chemical properties	16. 11. 2007	2
3	Composition / information on ingredients	24.01.2008	3



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Revision In	dicators.		
Section	Subject of change	Date	Version
3	Composition/information on ingredients	27. 11. 2012	4
9	Physical and chemical properties		
1-16	Regulatory information, other corrections		
	Revision modification according to 453/2010/EC		
1-16	Regulatory information, other corrections	15. 01. 2013	5
	Revision modification according to 1272/2008/EC		
1	Details of the supplier of the safety data sheet,	29. 05. 2015	6
	Responsible for SDS		
2 5	Other hazards		
	Fire hazards		
9	Physical and chemical properties		
14	Transport information		
1-16	Other corrections		
3	Composition/information on ingredients	08. 09. 2017	7
9	Physical and chemical properties		
1-16	Regulatory information, other corrections		
	Revision modification according to 2015/830/EU		
2.2	Label elements	09. 04. 2020	8
3	Composition/information on ingredients		
8	Exposure controls / personal protection		
11	Toxicological information		
12	Ecological information		
1.3	Details of the supplier of the safety data sheet	06. 10. 2020	9
3	Composition/information on ingredients		
11	Toxicological information		
12	Ecological information		
1-16	Revision modification according to 2020/878/EU.	17. 11. 2022	10
	Full revision due to composition change.		