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

1.1. Product identifier

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

Use of the substance/mixture

Motor oil.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Manufacturer		
Company name:	ADDINOL Lube Oil GmbH	
	Gebäude 4609	
Street:	Am Haupttor	
Place:	D-06237 Leuna	
Telephone:	+49 (0) 3461 845-0	Telefax:+49 (0) 3461 845-555
e-mail:	info@addinol.de	
Contact person:	Application Technology	
Internet:	www.addinol.de	
Responsible Department:	ADDINOL Application Technology	
Supplier		
Company name:	Specialised Products (Western) Limited	
Street:	76 Cobham Road, Ferndown Industrial Estate	
Place:	GB-BH21 7RN Wimborne, Dorset	
Telephone:	+44 1202 891393	Telefax:+44 1202 876908
e-mail:	sales@specialisedproducts.co.uk	
Internet:	http://specialisedproducts.co.uk	
1.4. Emergency telephone	+44 1202 891393 - This number is serviced du	ring office hours.
number		

number:

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories: Hazardous to the aquatic environment: Aquatic Chronic 3 Hazard Statements: Harmful to aquatic life with long lasting effects. This preparation is hazardous in the sense of regulation (EC) No 1272/2008 [GHS].

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 P501 Avoid release to the environment.

Dispose of contents/container to a waste disposal system.

Additional advice on labelling

The product is classified and labelled according to EC directives or corresponding national laws.

2.3. Other hazards

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

Spilled product must not leak into the ground.

Do not allow uncontrolled leakage of product into the environment.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name				
	EC No	Index No	REACH No		
	GHS Classification				
64742-54-7	Distillates (petroleum), hydrotreated	d heavy paraffinic; Baseoil - unspecifi	ied	40 - < 50 %	
	265-157-1		01-2119484627-25		
	Asp. Tox. 1; H304				
68037-01-4	1-Decene, homopolymer, hydroger		30 - < 40 %		
	500-183-1		01-2119486452-34		
	Asp. Tox. 1; H304				
121158-58-5	phenol, dodecyl-, branched		< 0,05 %		
	310-154-3	604-092-00-9	01-2119513207-49		
	Repr. 1B, Skin Corr. 1C, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1; H360F H314 H318 H400 H410				

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc.	Limits, M-factors and ATE	
64742-54-7	265-157-1	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified	40 - < 50 %
	dermal: LD50 :	= > 5000 mg/kg; oral: LD50 = > 5000 mg/kg	
68037-01-4	500-183-1	1-Decene, homopolymer, hydrogenated	30 - < 40 %
	dermal: LD50 :	= > 2000 mg/kg; oral: LD50 = > 5000 mg/kg	
121158-58-5	310-154-3	phenol, dodecyl-, branched	< 0,05 %
		= ca. 15000 mg/kg; oral: LD50 = 2100 mg/kg	
	M chron.; H410	. WI-TU	

Further Information

DMSO-Extrakt < 3 %, IP 346.

Classification system: The classification corresponds to the current EC lists and is completed by information from specialist literature and company information.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Self-protection of the first aider. Change contaminated clothing. Do not put any product-impregnated cleaning rags into your trouser pockets.

After inhalation

After contact with skin, wash immediately with plenty of water and soap. Change contaminated clothing. In case of skin irritation, seek medical treatment.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Change contaminated clothing. In case of skin irritation, seek medical treatment.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

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After ingestion

Do NOT induce vomiting.

Rinse mouth thoroughly with water. Call a physician immediately.

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

The following symptoms may occur: Coughing. difficulties of breathing.

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Atomized water. Foam. Extinguishing powder. 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 monoxide Carbon dioxide (CO2). Sulfur oxides. Phosphorus oxides. carbon black.

5.3. Advice for firefighters

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

Additional information

Co-ordinate fire-fighting measures to the fire surroundings. Use water spray/stream to protect personnel and to cool endangered containers. In case of fire and/or explosion do not breathe fumes. 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

General measures

High slip hazard because of leaking or spilled product. Remove all sources of ignition. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Avoid contact with skin, eye and clothing.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Section 12: Ecological Information (non-mandatory) Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Work in well-ventilated zones or use proper respiratory protection. Avoid oil mist. If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid contact with skin, eyes and clothes.

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Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep the packing dry and well sealed to prevent contamination and absorbtion of humidity. Keep/Store only in original container.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs. Keep away from: Oxidizing agents.

Further information on storage conditions

Recommended storage temperature: 5 - 40°C

Protect against: heat. UV-radiation/sunlight. frost.

7.3. Specific end use(s)

Motor oil. Further information: see technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL values

CAS No	Substance						
DNEL type		Exposure route	Effect	Value			
64742-54-7	42-54-7 Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified						
Worker DNEL	, long-term	inhalation	systemic	2,73 mg/m ³			
Worker DNEL	, long-term	inhalation	local	5,58 mg/m³			
Worker DNEL	, long-term	dermal	systemic	0,97 mg/kg bw/day			
Consumer DN	IEL, long-term	inhalation	local	1,19 mg/m ³			
Consumer DNEL, long-term		oral	systemic	0,74 mg/kg bw/day			
121158-58-5	phenol, dodecyl-, branched						
Worker DNEL	, acute	inhalation	systemic	44,18 mg/m ³			
Worker DNEL	, long-term	dermal	systemic	0,25 mg/kg bw/day			
Worker DNEL	, acute	dermal	systemic	166 mg/kg bw/day			
Consumer DN	IEL, long-term	inhalation	systemic	0,79 mg/m³			
Consumer DN	IEL, acute	inhalation	systemic	13,26 mg/m ³			
Consumer DN	IEL, long-term	dermal	systemic	0,075 mg/kg bw/day			
Consumer DN	IEL, acute	dermal	systemic	50 mg/kg bw/day			
Consumer DN	IEL, long-term	oral	systemic	0,075 mg/kg bw/day			
Consumer DN	IEL, acute	oral	systemic	1,26 mg/kg bw/day			

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PNEC values

CAS No	Substance				
Environmenta	l compartment	Value			
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified				
Secondary po	isoning	9,33 mg/kg			
121158-58-5	phenol, dodecyl-, branched				
Freshwater		0,000074 mg/l			
Freshwater (i	0,00037 mg/l				
Marine water		0,000007 mg/l			
Freshwater se	ediment	0,226 mg/kg			
Marine sedim	ent	0,027 mg/kg			
Secondary poisoning 4 m					
Micro-organis	Micro-organisms in sewage treatment plants (STP)				
Soil		0,118 mg/kg			

Additional advice on limit values

Recommended limit value for oil mist TWA: 5 mg/m³ STEL: 10 mg/m³

The product does not contain any relevant quantities of substances with legally established exposure limitation.

8.2. Exposure controls





Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations.

Protective and hygiene measures

Wash hands before breaks and after work. Take off immediately all contaminated clothing. Wash contaminated clothing prior to re-use. Do not eat, drink, smoke or sneeze at the workplace.

Eye/face protection

Tightly sealed safety glasses. German Industry Norms (DIN) / European Norms (EN): DIN EN 166

Hand protection

Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): EN ISO 374

Duration of wearing with permanent contact: 480 min Suitable material: NBR (Nitrile rubber). Thickness of glove material: 0.7 mm.

Wearing time with occasional contact (splashes): 30 min Suitable material: NBR (Nitrile rubber). Thickness of glove material: 0.4 mm

Protect skin by using skin protective cream.

Skin protection

Wear suitable protective clothing. Change contaminated clothing. Do not put any product-impregnated cleaning rags into your trouser pockets.

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Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Breathing protection with filter against organic gases and vapours type A - boiling point > $65^{\circ}C$: A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and che	mical properties		
Physical state:	liquid		
Colour:	yellow		
Odour:	characteristic		
			Test method
pH-Value:		not applicable	
Changes in the physical state			
Melting point:		No data available	
Boiling point or initial boiling point and		not determined	
boiling range:		40.90	
Pour point:			ASTM D 7346
Flash point:		230 °C	DIN EN ISO 2592
Flammability		No doto ovoilable	
Solid/liquid: Gas:		No data available No data available	
-			
Explosive properties No data available			
Lower explosion limits:		No data available	
Upper explosion limits:		No data available	
Auto-ignition temperature:		not determined	
Self-ignition temperature			
Solid:		No data available	
Gas:		No data available	
Decomposition temperature:		No data available	
Oxidizing properties No data available			
Vapour pressure:		No data available	
Density (at 15 °C):		0,855 g/cm³	DIN 51757
Water solubility:		virtually insoluble	
Solubility in other solvents No data available			
Partition coefficient n-octanol/water:		No data available	
Viscosity / kinematic: (at 100 °C)		11,9 mm²/s	ASTM D 7042
Relative vapour density:		No data available	
Evaporation rate:		No data available	
9.2. Other information			
No data available			

SECTION 10: Stability and reactivity

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10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Refer to chapter 7 No further action is necessary.

Do not overheat to avoid decomposition by heat.

10.5. Incompatible materials

Reacts with: Oxidizing agents, strong. Acid.

10.6. Hazardous decomposition products

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

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. Mixture not tested.

CAS No	Chemical name							
	Exposure route	Dose		Species	Source	Method		
64742-54-7	Distillates (petroleum), hy	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified						
	oral	LD50 mg/kg	> 5000	Rat	Study report (1982)	OECD Guideline 401		
	dermal	LD50 mg/kg	> 5000	Rabbit	Study report (1982)	OECD Guideline 402		
68037-01-4	1-Decene, homopolymer, hydrogenated							
	oral	LD50 mg/kg	> 5000	Rat	Study report (1994)	OECD Guideline 401		
	dermal	LD50 mg/kg	> 2000	Rat	Study report (1995)	OECD Guideline 402		
121158-58-5	phenol, dodecyl-, branche	ed						
	oral	LD50 mg/kg	2100	Rat	Publication (1978)	OECD Guideline 401		
	dermal	LD50 mg/kg	ca. 15000	Rabbit	Study report (1968)	OECD Guideline 402		

Irritation and corrosivity

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

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

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STOT-repeated exposure

Based on available data, the classification criteria are not met. Prolonged/repetitive skin contact may cause skin defattening or dermatitis.

Aspiration hazard

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

11.2. Information on other hazards

Endocrine disrupting properties

not applicable

SECTION 12: Ecological information

12.1. Toxicity

Preparation not tested.

CAS No	Chemical name							
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method	
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified							
	Acute fish toxicity	LL50 mg/l	> 100	96 h	Pimephales promelas	Study report (1995)	OECD Guideline 203	
	Acute algae toxicity	ErC50 mg/l	>100	72 h				
	Fish toxicity	NOEC mg/l	>= 1000	14 d	Oncorhynchus mykiss	CONCAWE, Brussels, Belgium (2010)	The aquatic toxicity was estimated by a	
68037-01-4	1-Decene, homopolymer,	hydrogenat	ed					
	Acute fish toxicity	LL50 mg/l	> 1000	96 h	Oncorhynchus mykiss	Study report (1995)	OECD Guideline 203	
	Acute algae toxicity	ErC50 mg/l	> 1000	96 h	Pseudokirchneriella subcapitata	Study report (1995)	OECD Guideline 201	
	Acute crustacea toxicity	EL50 mg/l	> 1000	48 h	Daphnia magna	Study report (1995)	OECD Guideline 202	
121158-58-5	phenol, dodecyl-, branched							
	Acute fish toxicity	LL50	40 mg/l	96 h	Pimephales promelas	Study report (1994)	OECD Guideline 203	
	Acute algae toxicity	ErC50 mg/l	0,15	72 h	Desmodesmus subspicatus	Study report (2005)	OECD Guideline 201	
	Acute crustacea toxicity	EC50 mg/l	0,037	48 h	Daphnia magna	Study report (2005)	OECD Guideline 202	
	Crustacea toxicity	NOEC mg/l	0,004	21 d	Daphnia magna	Study report (2005)	OECD Guideline 211	
	Acute bacteria toxicity	(> 1000	mg/l)	3 h	activated sludge of a predominantly industrial sew	Study report (2004)	OECD Guideline 209	

12.2. Persistence and degradability

Not easily bio-degradable (according to OECD-criteria). Do not allow to enter into surface water or drains.

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
68037-01-4	1-Decene, homopolymer, hydrogenated	> 6,5
121158-58-5	phenol, dodecyl-, branched	7,14

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BCF

CAS No	Chemical name	BCF	Species	Source
121158-58-5	phenol, dodecyl-, branched	289	Oncorhynchus mykiss	Study report (2006)

12.4. Mobility in soil

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

12.5. Results of PBT and vPvB assessment

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

12.6. Endocrine disrupting properties

not applicable

12.7. Other adverse effects

No data available

Further information

130206

Do not allow uncontrolled leakage of product into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Must not be disposed of with domestic refuse. Do not allow to enter into surface water or drains.

List of Wastes Code - residues/unused products

OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; synthetic engine, gear and lubricating oils; 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 thrown away. Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

<u>14.1. UN number:</u>	-			
14.2. UN proper shipping name:	-			
14.3. Transport hazard class(es):	-			
14.4. Packing group:	-			
Inland waterways transport (ADN)				
<u>14.1. UN number:</u>	-			
14.2. UN proper shipping name:	-			
14.3. Transport hazard class(es):	-			
14.4. Packing group:	-			
Marine transport (IMDG)				
<u>14.1. UN number:</u>	-			
14.2. UN proper shipping name:	-			
14.3. Transport hazard class(es):	-			
14.4. Packing group:	-			
Air transport (ICAO-TI/IATA-DGR)				
<u>14.1. UN number:</u>	-			
14.2. UN proper shipping name:	-			

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14.3. Transport hazard class(es):	-			
14.4. Packing group:	-			
14.5. Environmental hazards				
ENVIRONMENTALLY HAZARDOUS:	No			
14.6. Special precautions for user Unless specified otherwise, general n	neasures for safe transport must be followed.			
14.7. Maritime transport in bulk according not applicable	to IMO instruments			
Other applicable information				
No dangerous good in sense of these	e transport regulations.			
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 3, Entry 28, Entry 30):			
National regulatory information	1 alightly bezordous to water			

Water hazard class (D):

1 - slightly hazardous to water

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): 1,2,3,5,7,10,16.

Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
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.
H412	Harmful to aquatic life with long lasting effects.

Further Information

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

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 receiver of our product is singularly responsible for adhering to existing laws and regulations.

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