1 of 11

Safety Data Sheet

according to Regulation (EC) No 1907/2006

ADDINOL FoodProof UNI 220 S						
Revision date: 14.08.2024	Product code: 736026		Page			
SECTION 1: Identification of the second	ubstance/mixture and of the company/u	undertaking				
1.1. Product identifier ADDINOL FoodProof UNI 220 S						
12 Relevant identified uses of the su	bstance or mixture and uses advised agair	net				
Use of the substance/mixture						
Gearbox oil.						
For industrial purposes only.						
1.3. Details of the supplier of the safe	ty data sheet					
Manufacturer						
Company name:	ADDINOL Lube Oil GmbH					
Street:	Gebäude 4609 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:	GEM OILS LIMITED					
Place:	IRL-H12K298 Regaskin Co. Cavan					
Telephone:	+353 49 4378116	Telefax: +353 49 4368329				
E-mail:	sales@gemoils.ie					
Contact person:		Telephone: +353 49 4378116				
E-mail: Internet:	sales@gemoils.ie https://gemoils.ie/					
		(24 hour convice)				
<u>1.4. Emergency telephone</u> number:	Healthcare Professionals: +353 (1) 809 256	o (24 nour service)				

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16. 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

P273

P501

Harmful to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.

Dispose of contents/container to an appropriate recycling or disposal facility.

Additional advice on labelling

Product is classified and labelled in accordance with EC regulations or the corresponding national laws.

2.3. Other hazards

according to Regulation (EC) No 1907/2006

ADDINOL FoodProof UNI 220 S

Revision date: 14.08.2024

Product code: 736026

Page 2 of 11

Prolonged/repetitive skin contact may cause skin defattening or dermatitis. Do not allow uncontrolled leakage of product into the environment.

If handled with proper care and at intended use, the product does not cause any harmful effects acc. to our experiences and available information.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Relevant ingredients

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No	1272/2008)		
68037-01-4	01-4 Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated			
	500-183-1		01-2119486452-34	
	Asp. Tox. 1; H304			
128-37-0	2,6-Di-tert-butyl-4-methylphenol			0.3 - < 0.5 %
	204-881-4		01-2119480433-40	
	Aquatic Acute 1, Aquatic Chronic 1; 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				
68037-01-4	500-183-1	Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated	80 - < 100 %	
	dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg			
128-37-0	204-881-4	2,6-Di-tert-butyl-4-methylphenol	0.3 - < 0.5 %	
dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 6000 mg/kg Aquatic Acute 1; H400: M=1				

Further Information

The product does not contain any dangerous substances with concentrations reaching or exceeding the limits acc. to 1272/2008 [GHS].

DMSO-Extract < 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

Move victim to fresh air. Put victim at rest and keep warm. Seek medical attention if problems persist.

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.

After ingestion

Do NOT induce vomiting.

according to Regulation (EC) No 1907/2006

ADDINOL FoodProof UNI 220 S

Revision date: 14.08.2024

Product code: 736026

Page 3 of 11

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

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

No information available.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO2). Extinguishing powder. Water spray. alcohol resistant foam.

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 Nitrogen oxides (NOx). Sulfur oxides. Nitrogen oxides (NOx). 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 jet 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 advice

High slip hazard because of leaking or spilled product. Remove all sources of ignition. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

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). Collect in closed containers for 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.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

according to Regulation (EC) No 1907/2006

ADDINOL FoodProof UNI 220 S

Revision date: 14.08.2024

Product code: 736026

Page 4 of 11

Advice on general occupational hygiene

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.

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 container tightly closed in a cool place. Keep/Store only in original container.

Hints on joint storage

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

Further information on storage conditions

Protect against: UV-radiation/sunlight. frost. heat. Recommended storage temperature: 5 - 40°C

7.3. Specific end use(s)

Further information: see technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

CAS No	Substance	ppm	mg/m³	fib/cm³	Category	Origin
128-37-0	2,6-Ditertiary-butyl-para-cresol	-	2		TWA (8 h)	

DNEL/DMEL values

CAS No	Substance					
DNEL type		Exposure route	Effect	Value		
128-37-0 2,6-Di-tert-butyl-4-methylphenol						
Consumer DN	EL, long-term	inhalation	systemic	0,435 mg/m³		
Consumer DNEL, long-term		dermal	systemic	0,25 mg/kg bw/day		
Consumer DNEL, long-term		oral	systemic	0,25 mg/kg bw/day		
Worker DNEL, long-term		dermal	systemic	0,5 mg/kg bw/day		
Worker DNEL	, long-term	inhalation	systemic	1,76 mg/m³		

PNEC values

CAS No	Substance			
Environmen	tal compartment	Value		
128-37-0	2,6-Di-tert-butyl-4-methylphenol			
Freshwater		0,000199 mg/l		
Freshwater (intermittent releases)		0,00199 mg/l		
Marine water		0,00002 mg/l		
Freshwater sediment		0,458 mg/kg		
Marine sedir	nent	0,046 mg/kg		
Secondary poisoning		16,67 mg/kg		
Micro-organisms in sewage treatment plants (STP)		0,017 mg/l		
Soil		0,054 mg/kg		

according to Regulation (EC) No 1907/2006

ADDINOL FoodProof UNI 220 S

Revision date: 14.08.2024

Product code: 736026

Page 5 of 11

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.

Individual protection measures, such as personal protective equipment

Eye/face protection

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

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Cosaint riospráide le scagaire i gcoinne gás orgánach agus gaile cineál A - fiuchphointe> 65 ° C: A1: <1000 ppm; A2: <5000 ppm; A3: <10,000 ppm.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Colour: Odour: Odour threshold:	liquid colourless - light yellow characteristic not determined		
			Test method
Melting point/freezing point:	No data a	vailable	
Boiling point or initial boiling point and	not dete	ermined	
boiling range:			
Flammability:	No data a	vailable	
Lower explosion limits:	No data a	vailable	
Upper explosion limits:	No data a	vailable	
Flash point:		270 °C	DIN EN ISO 2

according to Regulation (EC) No 1907/2006

ADDINOL FoodProof UNI 220 S						
Revision date: 14.08.2024	Product code: 736026	P	age 6 of 11			
Auto-ignition temperature:	not determined					
Decomposition temperature:	No data available					
pH-Value:	not applicable					
Viscosity / kinematic: (at 40 °C)	231 mm²/s	ASTM D 7042				
Water solubility:	practically insoluble					
Solubility in other solvents						
No data available						
Partition coefficient n-octanol/water:	No data available					
Vapour pressure:	No data available					
Density (at 15 °C):	0,850 g/cm³	DIN 51757				
Relative vapour density:	No data available					
Particle characteristics:	No data available					
9.2. Other information						
Information with regard to physical hazard classes	3					
Explosive properties						
No data available						
Self-ignition temperature						
Solid:	No data available					
Gas:	No data available					
Oxidizing properties						
No data available						
Other safety characteristics						
Evaporation rate:	No data available					
Pour point:	-50 °C	ASTM D 7346				
SECTION 10: Stability and reactivity						

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

Do not overheat to avoid decomposition by heat.

Refer to chapter 7 No further action is necessary.

10.5. Incompatible materials

Reacts with : Oxidising agent, strong. Acid.

10.6. Hazardous decomposition products

In case of fire may be liberated: Carbon monoxide Nitrogen oxides (NOx). Sulfur oxides. Nitrogen oxides (NOx). carbon black. No known hazardous decomposition products.

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.

according to Regulation (EC) No 1907/2006

ADDINOL FoodProof UNI 220 S

Revision date: 14.08.2024

Product code: 736026

Page 7 of 11

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name							
	Exposure route	Dose		Species	Source	Method		
68037-01-4	Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated							
	oral	LD50 > 50 mg/kg	000	Rat	Study report (1994)	OECD Guideline 401		
	dermal	LD50 > 20 mg/kg	000	Rat	Study report (1995)	OECD Guideline 402		
128-37-0	2,6-Di-tert-butyl-4-methyl	ohenol						
	oral	LD50 > 60 mg/kg	000	Rat	Study report (1989)	OECD Guideline 401		
	dermal	LD50 > 20 mg/kg	000	Rat	Study report (1988)	OECD Guideline 402		

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: 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

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.

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

Further information

If handled with proper care and at intended use, the product does not cause any harmful effects acc. to our experiences and available information.

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects. Mixture not tested.

according to Regulation (EC) No 1907/2006

ADDINOL FoodProof UNI 220 S

Revision date: 14.08.2024

Product code: 736026

Page 8 of 11

CAS No	Chemical name									
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method			
68037-01-4	Dec-1-ene, homopolymer	Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated								
	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	Raphidocelis subcapitata	Study report (1995)	OECD Guideline 201			
	Acute crustacea toxicity	EL50 mg/l	> 1000	48 h	Daphnia magna	Study report (1995)	OECD Guideline 202			
128-37-0	2,6-Di-tert-butyl-4-methyl	ohenol		-						
	Acute fish toxicity	LC50 mg/l	0,199	96 h	Oryzias latipes	REACh Registration Dossier	OECD Guideline 203			
	Acute algae toxicity	ErC50 mg/l	0,758	96 h	Pseudokirchneriella subcapitata	REACh Registration Dossier	OECD Guideline 201			
	Acute crustacea toxicity	EC50 mg/l	0,48	48 h	Daphnia magna	REACh Registration Dossier	OECD Guideline 202			
	Fish toxicity	NOEC mg/l	0,053	30 d	Oryzias latipes	REACh Registration Dossier	OECD Guideline 210			
	Crustacea toxicity	NOEC mg/l	0,069	21 d	Daphnia magna	REACh Registration Dossier	OECD Guideline 211			
	Acute bacteria toxicity	EC50 mg/l()	> 10000	3 h	Activated sludge	Study report (2000)	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	Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated	> 6,5
128-37-0	2,6-Di-tert-butyl-4-methylphenol	5,03

BCF

CAS No	Chemical name	BCF	Species	Source
128-37-0	2,6-Di-tert-butyl-4-methylphenol	465		REACh Registration D

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 substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

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

12.7. Other adverse effects

No data available

according to Regulation (EC) No 1907/2006

ADDINOL FoodProof UNI 220 S

Revision date: 14.08.2024

Product code: 736026

Page 9 of 11

Further information

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

130206 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. Dispose of waste according to applicable legislation. Packing which cannot be properly cleaned must be thrown away.

SECTION 14: Transport information

Land transport (ADR/RID)

• • •	
14.1. UN number or ID number:	-
14.2. UN proper shipping name:	-
14.3. Transport hazard class(es):	-
14.4. Packing group:	-
Inland waterways transport (ADN)	
14.1. UN number or ID number:	-
14.2. UN proper shipping name:	-
<u>14.3. Transport hazard class(es):</u>	-
14.4. Packing group:	-
Marine transport (IMDG)	
14.1. UN number or ID number:	-
14.2. UN proper shipping name:	-
14.3. Transport hazard class(es):	-
14.4. Packing group:	-
Air transport (ICAO-TI/IATA-DGR)	
14.1. UN number or ID number:	-
14.2. UN proper shipping name:	-
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 measures for safe transport must be followed.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

Other applicable information

No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

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

EU regulatory information

according to Regulation (EC) No 1907/2006

ADDINOL FoodProof UNI 220 S

Revision date: 14.08.2024

Product code: 736026

Page 10 of 11

Restrictions on use (REACH, annex XVII):

Entry 3

National regulatory information

1 - slightly hazardous to water

15.2. Chemical safety assessment

Water hazard class (D):

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2,5,8,9,16.

Abbreviations and acronyms

Asp. Tox: Aspiration hazard

Aquatic Acute: Acute aquatic hazard

Aquatic Chronic: Chronic aquatic hazard

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

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; ADN -European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ASTM - American Society for the Testing of Materials; ATE - Acute Toxicity Estimates; bw - Body weight; CAO -Cargo Aircraft Only: CAS - Chemical Abstracts Service: CMR - Carcinogen, Mutagen or Reproductive Toxicant: DIN - Standard of the German Institute for Standardisation: DNEL - Derived No-Effect Level: DOT -Department of Transportation: DSL - Domestic Substances List (Canada): EG - European Union: EN -European standards; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System: IARC - International Agency for Research on Cancer: IATA - International Air Transport Association; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n;o;s; - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; OECD - Organization for Economic Co-operation and Development; PBT -Persistent, Bioaccumulative and Toxic substance; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulation concerning the International Carriage of Dangerous Goods by Rail; RQ -Reportable Quantity; SADT - Self- Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TSCA - Toxic Substances Control Act (United States); UN -United Nations; vPvB - Very Persistent and Very Bioaccumulative

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.
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

This preparation is hazardous in the sense of regulation (EC) No 1272/2008 [GHS].

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

according to Regulation (EC) No 1907/2006

ADDINOL FoodProof UNI 220 S

Revision date: 14.08.2024

Product code: 736026

Page 11 of 11

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.

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