

**Safety Data Sheet****ADDINOL Super Tractor MU 1045**

Revision date: 08.07.2025

Product code: 722025

Page 1 of 15

**1. Identification****Product identifier**

ADDINOL Super Tractor MU 1045

**Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Gearbox oil.

**Details of the supplier of the safety data sheet****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:	ADDINOL Lube Oil GmbH
Street:	80 Pine Street, 24th Floor - NY
E-mail:	jill.frommert@addinol.de

**Emergency telephone number:** +1 716 344 9074 available Mon - Fri, 8:00 am to 4:30 pm EST**2. Hazard identification****Classification of the substance or mixture****Regulation (EC) No 1272/2008**

Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

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

**Label elements****Regulation (EC) No 1272/2008****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 industrial incineration plant.

**Special labelling of certain mixtures**

EUH208	Contains 2-tetradecyloxirane, reaction products with boric acid. May produce an allergic reaction.
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**Additional advice on labelling**

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

**Other hazards**

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.  
Spilled product must not leak into the ground.  
Do not allow uncontrolled discharge of product into the environment.

## Safety Data Sheet

## ADDINOL Super Tractor MU 1045

Revision date: 08.07.2025

Product code: 722025

Page 2 of 15

## 3. Composition/information on ingredients

**Mixtures****Relevant ingredients**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
64741-88-4	Distillates (petroleum), solvent-refined heavy paraffinic			40 - < 60 %
	265-090-8		01-2119488706-23	
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic			20 - < 40 %
	265-157-1		01-2119484627-25	
4259-15-8	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)			1 - < 2.5 %
	224-235-5		01-2119493635-27	
	Eye Dam. 1, Aquatic Chronic 2; H318 H411			
	2-tetradecyloxirane, reaction products with boric acid			0.3 - < 0.5 %
	701-392-2		01-2119976364-28	
	Skin Sens. 1B; H317			
101-02-0	Triphenyl phosphite			< 0.1 %
	202-908-4	015-105-00-7		
	Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1; H302 H315 H319 H373 H400 H410			
121158-58-5	Phenol, dodecyl-, branched			< 0.1 %
	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 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	
64741-88-4	265-090-8	Distillates (petroleum), solvent-refined heavy paraffinic	40 - < 60 %
		dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg	
64742-54-7	265-157-1	Distillates (petroleum), hydrotreated heavy paraffinic	20 - < 40 %
		dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg	
4259-15-8	224-235-5	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	1 - < 2.5 %
		dermal: LD50 = > 5000 mg/kg; oral: LD50 = 3100 mg/kg Eye Dam. 1; H318: >= 50 - 100 Eye Irrit. 2; H319: >= 2,5 - < 50	
	701-392-2	2-tetradecyloxirane, reaction products with boric acid	0.3 - < 0.5 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 16000 mg/kg	
101-02-0	202-908-4	Triphenyl phosphite	< 0.1 %
		oral: ATE = 500 mg/kg Skin Irrit. 2; H315: >= 5 - 100 Eye Irrit. 2; H319: >= 5 - 100	
121158-58-5	310-154-3	Phenol, dodecyl-, branched	< 0.1 %
		dermal: LD50 = ca. 15000 mg/kg; oral: LD50 = 2100 mg/kg Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=10	

**Further Information**

DMSO-Extract &lt; 3 %; IP 346. Classification system: The classification corresponds to the current CDN lists

## Safety Data Sheet

### ADDINOL Super Tractor MU 1045

Revision date: 08.07.2025

Product code: 722025

Page 3 of 15

and is completed by information from specialist literature and company information.

#### 4. First-aid measures

##### 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, consult a physician.

###### **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.

Rinse mouth thoroughly with water. Call a physician immediately.

##### Most important symptoms and effects, whether acute or delayed

No information available.

##### Indication of immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

#### 5. Fire-fighting measures

##### Extinguishing media

###### **Suitable extinguishing media**

Foam. Extinguishing powder Carbon dioxide (CO<sub>2</sub>) Water spray

###### **Unsuitable extinguishing media**

Full water jet

##### Specific hazards arising from the hazardous product

In case of fire may be liberated: Carbon monoxide Carbon dioxide (CO<sub>2</sub>) Sulphur oxides Phosphorus oxides. Nitrogen oxides (NO<sub>x</sub>). carbon black.

##### Special protective equipment and precautions for fire-fighters

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.

#### 6. Accidental release measures

##### 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. Avoid contact with skin, eyes and clothes.

##### 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).

##### Methods and material for containment and cleaning up

# Safety Data Sheet

## ADDINOL Super Tractor MU 1045

Revision date: 08.07.2025

Product code: 722025

Page 4 of 15

### 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.

### 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

## 7. Handling and storage

### 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.

#### 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 or smoke when using this product.

### Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep the packing dry and well sealed to prevent contamination and absorption of humidity. 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

Recommended storage temperature: 5 - 40°C

Protect against: Heat. UV-radiation/sunlight. Frost.

### Specific end use(s)

Further information: see technical data sheet.

## 8. Exposure controls/Personal protection

### Control parameters

## Safety Data Sheet

## ADDINOL Super Tractor MU 1045

Revision date: 08.07.2025

Product code: 722025

Page 5 of 15

## DNEL/DMEL values

CAS No	Chemical name		
DNEL type	Exposure route	Effect	Value
64741-88-4	Distillates (petroleum), solvent-refined heavy paraffinic		
Worker DNEL, long-term	inhalation	systemic	2,73 mg/m <sup>3</sup>
Worker DNEL, long-term	inhalation	local	5,58 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	0,97 mg/kg bw/day
Consumer DNEL, long-term	inhalation	local	1,19 mg/m <sup>3</sup>
Consumer DNEL, long-term	oral	systemic	0,74 mg/kg bw/day
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic		
Worker DNEL, long-term	inhalation	systemic	2,73 mg/m <sup>3</sup>
Worker DNEL, long-term	inhalation	local	5,58 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	0,97 mg/kg bw/day
Consumer DNEL, long-term	inhalation	local	1,19 mg/m <sup>3</sup>
Consumer DNEL, long-term	oral	systemic	0,74 mg/kg bw/day
4259-15-8	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)		
Worker DNEL, long-term	dermal	systemic	9,6 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	1,67 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	4,8 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,19 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	6,6 mg/m <sup>3</sup>
	2-tetradecyloxirane, reaction products with boric acid		
Worker DNEL, long-term	dermal	local	0,09 mg/cm <sup>2</sup>
Consumer DNEL, long-term	dermal	local	4,68 mg/cm <sup>2</sup>
101-02-0	Triphenyl phosphite		
Worker DNEL, long-term	inhalation	systemic	0,53 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	0,15 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	0,53 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	0,15 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,075 mg/kg bw/day
121158-58-5	Phenol, dodecyl-, branched		
Worker DNEL, acute	inhalation	systemic	44,18 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	0,25 mg/kg bw/day
Worker DNEL, acute	dermal	systemic	166 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	0,79 mg/m <sup>3</sup>
Consumer DNEL, acute	inhalation	systemic	13,26 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	0,075 mg/kg bw/day

## Safety Data Sheet

## ADDINOL Super Tractor MU 1045

Revision date: 08.07.2025

Product code: 722025

Page 6 of 15

Consumer DNEL, acute	dermal	systemic	50 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,075 mg/kg bw/day
Consumer DNEL, acute	oral	systemic	1,26 mg/kg bw/day

## PNEC values

CAS No	Chemical name	
Environmental compartment		Value
64741-88-4	Distillates (petroleum), solvent-refined heavy paraffinic	
Secondary poisoning		9,33 mg/kg
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic	
Secondary poisoning		9,33 mg/kg
4259-15-8	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	
Freshwater		0,004 mg/l
Freshwater (intermittent releases)		0,044 mg/l
Marine water		0,0046 mg/l
Freshwater sediment		0,322 mg/kg
Marine sediment		0,032 mg/kg
Secondary poisoning		8,33 mg/kg
Micro-organisms in sewage treatment plants (STP)		3,8 mg/l
Soil		0,062 mg/kg
	2-tetradecyloxirane, reaction products with boric acid	
Freshwater		1 mg/l
Freshwater (intermittent releases)		1 mg/l
Marine water		0,1 mg/l
Freshwater sediment		42700 mg/kg
Marine sediment		4270 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		8540 mg/kg
121158-58-5	Phenol, dodecyl-, branched	
Freshwater		0,000074 mg/l
Freshwater (intermittent releases)		0,00037 mg/l
Marine water		0,000007 mg/l
Freshwater sediment		0,226 mg/kg
Marine sediment		0,027 mg/kg
Secondary poisoning		4 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		0,118 mg/kg

## Additional advice on limit values

Recommended limit value for oil mist

TWA: 5 mg/m<sup>3</sup>STEL: 10 mg/m<sup>3</sup>

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

## Safety Data Sheet

## ADDINOL Super Tractor MU 1045

Revision date: 08.07.2025

Product code: 722025

Page 7 of 15

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

**Exposure controls****Appropriate engineering controls**

Provide adequate ventilation as well as local exhaust 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): DIN EN ISO 16321

**Hand protection**

Tested protective gloves must 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. Respiratory protection with filter against organic gases and vapors type A - boiling point > 65 °C: A1: <1000 ppm; A2: <5000 ppm; A3: <10,000 ppm.

**9. Physical and chemical properties****Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	brown
Odour:	like: Mineral oil
Odour threshold:	not determined

Melting point/freezing point:	No data available	<b>Test method</b>
Boiling point or initial boiling point and boiling range:	No data available	
Flammability:	No data available	
Lower explosive limits:	No data available	
Upper explosive limits:	No data available	
Flash point:	245 °C	DIN EN ISO 2592
Auto-ignition temperature:	No data available	
Decomposition temperature:	No data available	
pH-Value:	not applicable	
Viscosity / kinematic: (at 100 °C)	14,2 mm <sup>2</sup> /s	ASTM D 7042

## Safety Data Sheet

## ADDINOL Super Tractor MU 1045

Revision date: 08.07.2025

Product code: 722025

Page 8 of 15

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):	0,861 g/cm <sup>3</sup> DIN 51757
Relative vapour density:	No data available
Particle characteristics:	No data available

**Other information****Information with regard to physical hazard classes**

Explosive properties

No data available

Sustained combustibility:

UN Test L.2

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:

-36 °C ASTM D 7346

**10. Stability and reactivity****Reactivity**

The product is stable under storage at normal ambient temperatures.

**Chemical stability**

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

**Possibility of hazardous reactions**

No known hazardous reactions.

**Conditions to avoid**

Refer to chapter 7 No further action is necessary.

Do not overheat to avoid decomposition by heat.

**Incompatible materials**

Oxidising agent, strong;

**Hazardous decomposition products**In case of fire may be liberated: Carbon monoxide Carbon dioxide (CO<sub>2</sub>) Sulphur oxides Phosphorus oxides.Nitrogen oxides (NO<sub>x</sub>). carbon black.**11. Toxicological information****Information on toxicological effects****Acute toxicity**

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

**ATEmix calculated**

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



## Safety Data Sheet

## ADDINOL Super Tractor MU 1045

Revision date: 08.07.2025

Product code: 722025

Page 9 of 15

CAS No	Chemical name				
	Route of exposure	Dose	Species	Source	Method
64741-88-4	Distillates (petroleum), solvent-refined heavy paraffinic				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1982)	OECD Guideline 401
	dermal	LD50 > 5000 mg/kg	Rabbit	Study report (1982)	OECD Guideline 402
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1982)	OECD Guideline 401
	dermal	LD50 > 5000 mg/kg	Rabbit	Study report (1982)	OECD Guideline 402
4259-15-8	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)				
	oral	LD50 3100 mg/kg	Rat	Study report (1975)	OECD Guideline 401
	dermal	LD50 > 5000 mg/kg	Rabbit	Study report (1975)	OECD Guideline 402
	2-tetradecyloxirane, reaction products with boric acid				
	oral	LD50 > 16000 mg/kg	Rat	Study report (1981)	other: Section 772.112-21 CFR 40.
	dermal	LD50 > 2000 mg/kg	Rat	Study report (2012)	OECD Guideline 402
101-02-0	Triphenyl phosphite				
	oral	ATE 500 mg/kg			
121158-58-5	Phenol, dodecyl-, branched				
	oral	LD50 2100 mg/kg	Rat	Publication (1978)	OECD Guideline 401
	dermal	LD50 ca. 15000 mg/kg	Rabbit	Study report (1968)	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.

**Sensitizing effects**

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

Contains 2-tetradecyloxirane, reaction products with boric acid. May produce an allergic reaction.

**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.

**Aspiration hazard**

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

**Information on other hazards****Endocrine disrupting properties**

not applicable

**Safety Data Sheet****ADDINOL Super Tractor MU 1045**

Revision date: 08.07.2025

Product code: 722025

Page 10 of 15

**12. Ecological information****Ecotoxicity**

Harmful to aquatic life with long lasting effects.

## Safety Data Sheet

## ADDINOL Super Tractor MU 1045

Revision date: 08.07.2025

Product code: 722025

Page 11 of 15

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
64741-88-4	Distillates (petroleum), solvent-refined heavy paraffinic					
	Acute fish toxicity	LL50 > 100 mg/l	96 h		Study report (1995)	OECD Guideline 203
	Fish toxicity	NOEC >= 1000 mg/l	14 d	Oncorhynchus mykiss	CONCAWE, Brussels, Belgium (2010)	The aquatic toxicity was estimated by a
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic					
	Acute fish toxicity	LL50 > 100 mg/l	96 h		Study report (1995)	OECD Guideline 203
	Acute algae toxicity	ErC50 >100 mg/l	72 h			
	Fish toxicity	NOEC >= 1000 mg/l	14 d	Oncorhynchus mykiss	CONCAWE, Brussels, Belgium (2010)	The aquatic toxicity was estimated by a
4259-15-8	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)					
	Acute fish toxicity	LL50 4,4 mg/l	96 h	Oncorhynchus mykiss	Study report (2002)	OECD Guideline 203
	Acute algae toxicity	ErC50 410 mg/l	72 h	Desmodesmus subspicatus	Study report (2004)	OECD Guideline 201
	Acute crustacea toxicity	EL50 75 mg/l	48 h		Study report (2005)	OECD Guideline 202
	Crustacea toxicity	NOEC 0,4 mg/l	21 d		Study report (2010)	OECD Guideline 211
	2-tetradecyloxirane, reaction products with boric acid					
	Acute fish toxicity	LL50 > 100 mg/l	96 h	Oncorhynchus mykiss	REACH Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	Raphidocelis subcapitata	Study report (2012)	OECD Guideline 201
	Acute crustacea toxicity	EL50 > 100 mg/l	48 h		Study report (2012)	OECD Guideline 202
	Fish toxicity	NOEC > 100 mg/l	33 d		REACH Registration Dossier	OECD Guideline 210
	Acute bacteria toxicity	EC50 > 10000 mg/l ( )	3 h	activated sludge of a predominantly domestic sewage	Study report (1994)	OECD Guideline 209
121158-58-5	Phenol, dodecyl-, branched					
	Acute fish toxicity	LL50 40 mg/l	96 h		Study report (1994)	OECD Guideline 203
	Acute algae toxicity	ErC50 0,15 mg/l	72 h	Desmodesmus subspicatus	Study report (2005)	OECD Guideline 201
	Acute crustacea toxicity	EC50 0,037 mg/l	48 h		Study report (2005)	OECD Guideline 202
	Crustacea toxicity	NOEC 0,004 mg/l	21 d		Study report (2005)	OECD Guideline 211
	Acute bacteria toxicity	EC50 > 1000 mg/l ( )	3 h	activated sludge of a predominantly industrial sew	Study report (2004)	OECD Guideline 209

**Persistence and degradability**

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

## Safety Data Sheet

## ADDINOL Super Tractor MU 1045

Revision date: 08.07.2025

Product code: 722025

Page 12 of 15

**Bioaccumulative potential**

No data available

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
4259-15-8	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	3,59
	2-tetradecyloxirane, reaction products with boric acid	>= 6,24 - 9,4
101-02-0	Triphenyl phosphite	6,62
121158-58-5	Phenol, dodecyl-, branched	7,14

**BCF**

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

**Mobility in soil**

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

**Results of PBT and vPvB assessment**

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

**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.

**Other adverse effects**

No data available

**Further information**

Do not allow uncontrolled discharge of product into the environment.

**13. Disposal considerations****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**

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

**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 disposed of.

**14. Transport information****Land transport (ADR/RID)****UN number or ID number:** -**United Nations proper shipping** -**name:****Transport hazard class(es):** -**Packing group:** -**Inland waterways transport (ADN)****UN number or ID number:** -**United Nations proper shipping** -**name:****Transport hazard class(es):** -

## Safety Data Sheet

## ADDINOL Super Tractor MU 1045

Revision date: 08.07.2025

Product code: 722025

Page 13 of 15

**Packing group:** -**Marine transport (IMDG)****UN number or ID number:** -**United Nations proper shipping** -**name:****Transport hazard class(es):** -**Packing group:** -**Air transport (ICAO-TI/IATA-DGR)****UN number or ID number:** -**United Nations proper shipping** -**name:****Transport hazard class(es):** -**Packing group:** -**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**Special precautions for user**

Unless specified otherwise, general measures for safe transport must be followed.

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

not applicable

**Other applicable information**

No dangerous good in sense of these transport regulations.

**15. Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture****EU Regulatory information**

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):

Phenol, dodecyl-, branched

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 28, Entry 30, Entry 75

**National regulatory information**

Water hazard class (D): 2 - obviously hazardous to water

**Chemical Safety Assessment**

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

**16. Other information****Changes**

This data sheet contains changes from the previous version in section(s): 2,3,5,7,8,9,10,11,16.

## Safety Data Sheet

## ADDINOL Super Tractor MU 1045

Revision date: 08.07.2025

Product code: 722025

Page 14 of 15

**Abbreviations and acronyms**

Acute Tox: Acute toxicity

Skin Corr: Skin corrosion

Skin Irrit: Skin irritation

Eye Dam: Serious eye damage

Eye Irrit: Eye irritation

Skin Sens: Skin sensitization

Repr: Reproductive toxicity

STOT RE: Specific target organ toxicity - repeated exposure

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**

Classification	Classification procedure
Aquatic Chronic 3; H412	Calculation method

**Relevant H statements (number and full text)**

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H360F	May damage fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
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.
EUH208	Contains 2-tetradecyloxirane, reaction products with boric acid. May produce an allergic reaction.

**Safety Data Sheet****ADDINOL Super Tractor MU 1045**

Revision date: 08.07.2025

Product code: 722025

Page 15 of 15

**Further Information**

This mixture is classified as hazardous in accordance with WHMIS 2015.

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