



according to UK REACH Regulation

Autoprofi Guard Fill Diesel 1:1000

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

1.1. Product identifier

Autoprofi Guard Fill Diesel 1:1000

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

Use of the substance/mixture

Cleaning agent for Diesel Systems

1.3. Details of the supplier of the safety data sheet

Company name: CTP GmbH

Street: Saalfelder Strasse 35h Place: D-07338 Leutenberg

Telephone: +49 (0)36734 230-0 Telefax: +49 (0)36734 230-22

e-mail: msds@bluechemgroup.com

Contact person: Jens Moeller, Dipl.-Chem. Telephone: +49 (0)36734 230-19

Internet: www.bluechemgroup.com

1.4. Emergency telephone GBK GmbH: +49-(0)6132-84463 (24/7)

number:

Further Information

Article Number: 43240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Acute Tox. 4; H302 Acute Tox. 4; H332 Asp. Tox. 1; H304 Eye Dam. 1; H318 Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

Hydrocarbons, C10-C13, n-Alkanes, Isoalkanes, Cyclics, < 2% Aromatics

2-Ethyl hexyl nitrate

Reaction mass of 2,6-di-tert-butylphenol and 2,4,6-tri-tert-butylphenol

2-ethyl-hexanol

Signal word: Danger

Pictograms:









Hazard statements

H302+H332 Harmful if swallowed or if inhaled.

H304 May be fatal if swallowed and enters airways.

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.





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P102 Keep out of reach of children.
P261 Avoid breathing vapour/aerosole.
P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves and eye/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331 Do NOT induce vomiting.

P312 Call a POISON CENTER/doctor if you feel unwell.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P405 Store locked up.

P501 Dispose of this material and its container to hazardous or special waste collection point.

Special labelling of certain mixtures

EUH044 Risk of explosion if heated under confinement.

EUH066 Repeated exposure may cause skin dryness or cracking.

Labelling of packages where the contents do not exceed 125 ml

Signal word: Danger

Pictograms:







Hazard statements

H302+H332-H304-H318

Precautionary statements

P101-P102-P261-P264-P270-P271-P280-P331-P312-P305+P351+P338-P310-P405-P501

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Surface tension compounds
Detergents, Dispersants
Synthetic agent combinations
corrosion preventing agent
Multifunction Diesel Fuel Additive





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Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	GHS Classification			
64742-48-9	Hydrocarbons, C10-C13, n-Alkane	55 - < 60 %		
	918-481-9		01-2119457273-39	
	Asp. Tox. 1; H304 EUH066			
27247-96-7	2-Ethyl hexyl nitrate			25 - < 30 %
	248-363-6		01-2119539586-27	
	Acute Tox. 4, Acute Tox. 4, Acute EUH066	Γοχ. 4, Aquatic Chronic 2; H33	32 H312 H302 H411 EUH044	
128-39-2	Reaction mass of 2,6-di-tert-butylpl	nenol and 2,4,6-tri-tert-butylph	enol	1 - < 5 %
	907-745-9		01-2119538013-51	
	Eye Dam. 1, Aquatic Chronic 1; H3			
104-76-7	2-ethyl-hexanol	1 - < 5 %		
	203-234-3		01-2119487289-20	
	Acute Tox. 4, Skin Irrit. 2, Eye Irrit.			
64742-94-5	Solvent naphtha (petroleum), heav	1 - < 5 %		
	265-198-5		01-2119463583-34	
	STOT SE 3, Asp. Tox. 1, Aquatic C			
64742-47-8	Hydrocarbons, C11-C14, n-alkanes	1 - < 5 %		
	926-141-6		01-2119456620-43	
	Asp. Tox. 1; H304 EUH066			
121158-58-5	Phenol, dodecyl-, branched	< 0.1 %		
	310-154-3		01-2119513207-49	
	Repr. 1B, Skin Corr. 1C, Eye Dam. H400 H410	1, Aquatic Acute 1, Aquatic C	Chronic 1; H360F H314 H318	

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. I	Limits, M-factors and ATE	
64742-48-9	918-481-9	Hydrocarbons, C10-C13, n-Alkanes, Isoalkanes, Cyclics, < 2% Aromatics	55 - < 60 %
	dermal: LD50 =	= > 5000 mg/kg; oral: LD50 = > 5000 mg/kg	
27247-96-7	248-363-6	2-Ethyl hexyl nitrate	25 - < 30 %
		0 = 4,6 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 oral: LD50 = >9640 mg/kg	
104-76-7	203-234-3	2-ethyl-hexanol	1 - < 5 %
		= 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = ral: LD50 = 2047 mg/kg	
64742-94-5	265-198-5	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified	1 - < 5 %
	inhalation: LC5	0 = >590 mg/l (vapours); dermal: LD50 = >2 mg/kg; oral: LD50 = 5 mg/kg	
64742-47-8	926-141-6	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics	1 - < 5 %
	inhalation: LC5 mg/kg	0 = > 5000 mg/l (vapours); dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000	
121158-58-5	310-154-3	Phenol, dodecyl-, branched	< 0.1 %
	M acute; H400: M chron.; H410		





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SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

After contact with skin

Take off immediately all contaminated clothing, including underwear and shoes.

Subsequently wash off with: Water and soap.

After contact with eyes

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult physician.

After ingestion

Let water be drunken in little sips (dilution effect). Consult physician.

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

Frequently or prolonged contact with skin may cause dermal irritation.

Irritation of eyes: Irritant effect possible.

After ingestion: Harmful: may cause lung damage if swallowed.

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

Warning about danger of aspiration.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguishing powder.

Sand.

Carbon dioxide (CO2).

alcohol resistant foam.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Formation of decomposition products possible.

In case of fire and/or explosion do not breathe fumes.

5.3. Advice for firefighters

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

Additional information

Cool endangered container in case of fire.

Beat down gas/vapours/mist with water spray.

Contaminated fire-fighting water must be collected separately.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear a self-contained breathing apparatus and chemical resistant suit.

Keep away from sources of ignition - No smoking.

6.2. Environmental precautions

Beat down gas/vapours/mist with water spray.

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.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).





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Prevent spread over a wide area (e.g. by containment or oil barriers).

6.4. Reference to other sections

No data

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

The substance should only be handled in closed apparatus or systems. Vapours / aerosols must be extracted by suction immediately at point of origin.

Avoid contact with skin and eyes.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
104-76-7	2-ethylhexan-1-ol	1	5.4		TWA (8 h)	WEL

8.2. Exposure controls

Protective and hygiene measures

Take off immediately all contaminated clothing

Do not breathe gas/fumes/vapour/spray.

Avoid contact with skin and eyes.

Keep away from food, drink and animal feeding stuffs.

When using do not eat, drink or smoke.

Wash hands before breaks and after work.

Eye/face protection

Wear tightly sealed safety glasses against possible splashes into the eyes. (EN 166)

Hand protection

Tested protective gloves are to be worn: NBR (Nitrile rubber). FKM (Fluoroelastomer (Viton)). (EN374)

Skin protection

Wear suitable solvent-proof protective clothing according to EN 465.

Respiratory protection

In case of accumulation of fumes/aerosols, provide adequate ventilation.

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid

Colour: yellow, transparent





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Odour: aromatic

Changes in the physical state

Boiling point or initial boiling point and 200 - 210 °C

boiling range:

Flash point: 62 °C

Density (at 20 °C): 0,856 g/cm³

Water solubility: insoluble

(at 20 °C)

Solubility in other solvents

Organic solvents

9.2. Other information

No data

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No decomposition when used as intended.

10.3. Possibility of hazardous reactions

No dangerous reactions are known.

10.4. Conditions to avoid

Only use the material in places where open light, fire and other flammable sources can be kept away.

10.5. Incompatible materials

Oxidizing agents.

acid, concentrated.

Alkalis (alkalis), concentrated.

10.6. Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Harmful if swallowed.

Harmful if inhaled.

ATEmix calculated

ATE (oral) 1673,4 mg/kg; ATE (inhalation dust/mist) 4,545 mg/l





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CAS No	Chemical name								
	Exposure route	Dose		Species	Source	Method			
64742-48-9	Hydrocarbons, C10-C13,	n-Alkanes,	Isoalkanes, (Cyclics, < 2% Aromatics					
	oral	LD50 mg/kg	> 5000	Rat					
	dermal	LD50 mg/kg	> 5000	Rabbit					
27247-96-7	2-Ethyl hexyl nitrate								
	oral	LD50 mg/kg	>9640	Rat					
	dermal	LD50 mg/kg	>4820	Rabbit					
	inhalation (1 h) vapour	LC50	4,6 mg/l	Rat					
	inhalation dust/mist	ATE	1,5 mg/l						
104-76-7	2-ethyl-hexanol								
	oral	LD50 mg/kg	2047	Rat					
	dermal	LD50 mg/kg	>3000	Rat					
	inhalation vapour	ATE	11 mg/l						
	inhalation dust/mist	ATE	1,5 mg/l						
64742-94-5	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified								
	oral	LD50	5 mg/kg	Rat					
	dermal	LD50	>2 mg/kg	Rabbit					
	inhalation (4 h) vapour	LC50 mg/l	>590	Rat					
64742-47-8	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics								
	oral	LD50 mg/kg	> 5000	Rat					
	dermal	LD50 mg/kg	> 5000	Rabbit					
	inhalation (4 h) vapour	LC50 mg/l	> 5000	Rat					

Irritation and corrosivity

Causes serious eye damage.

Skin corrosion/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

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

Repeated exposure may cause skin dryness or cracking.

Aspiration hazard

May be fatal if swallowed and enters airways.

Practical experience

Other observations

No information available.





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SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name							
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method	
64742-48-9	Hydrocarbons, C10-C13, n-Alkanes, Isoalkanes, Cyclics, < 2% Aromatics							
	Acute fish toxicity	LC50 mg/l	1000	96 h	Oncorhynchus mykiss			
	Acute algae toxicity	ErC50 mg/l	1000		Pseudokirchneriella subcapitata			
	Acute crustacea toxicity	EC50 mg/l	1000		Daphnia magna (Big water flea)			
27247-96-7	2-Ethyl hexyl nitrate							
	Acute fish toxicity	LC50	2 mg/l	96 h	Fish			
	Acute algae toxicity	ErC50 mg/l	1-10	72 h	Algae			
	Acute crustacea toxicity	EC50	>10 mg/l	48 h	Daphnia magna			
104-76-7	2-ethyl-hexanol							
	Acute fish toxicity	LC50 mg/l	17,1	96 h	Leuciscus idus			
	Acute algae toxicity	ErC50 mg/l	11,5	72 h	Scenedesmus subspicatus			
	Acute crustacea toxicity	EC50	39 mg/l	48 h	Daphnia magna			
64742-94-5	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified							
	Acute fish toxicity	LC50	2-5 mg/l	96 h	Fish			
	Acute algae toxicity	ErC50	1-3 mg/l	72 h	Algae			
	Acute crustacea toxicity	EC50 mg/l	3-10	48 h	Daphnia magna			

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Swims on the water.

Low potential of bio-accumulation.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64742-47-8	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics	6 - 8

12.4. Mobility in soil

No information available.

12.6. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not dispose with household waste.

Do not allow to enter into surface water or drains.





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Arrange about the exact waste code with the local waste disposal expert.

Have to add a Special treatment in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

Contaminated packaging

Container must be completely emptied.

Do not pierce, cut up or weld unclean container. (Explosion hazard.)

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 3082

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

2-Ethyl hexyl nitrate

Reaction mass of 2,6-di-tert-butylphenol and 2,4,6-tri-tert-butylphenol

14.3. Transport hazard class(es): 9
14.4. Packing group: III

Hazard label: 9



Classification code: M6

Special Provisions: 274 335 375 601

Limited quantity: 5 L
Excepted quantity: E1
Transport category: 3
Hazard No: 90
Tunnel restriction code: -

Inland waterways transport (ADN)

<u>14.1. UN number:</u> UN 3082

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

2-Ethyl hexyl nitrate

Reaction mass of 2,6-di-tert-butylphenol and 2,4,6-tri-tert-butylphenol

14.3. Transport hazard class(es): 9

14.4. Packing group: III
Hazard label: 9

Hazard label: 9



Classification code: M6

Special Provisions: 274 335 375 601

Limited quantity: 5 L Excepted quantity: E1

Marine transport (IMDG)

<u>14.1. UN number:</u> UN 3082

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

2-Ethyl hexyl nitrate

Reaction mass of 2,6-di-tert-butylphenol and 2,4,6-tri-tert-butylphenol

14.3. Transport hazard class(es): 9
14.4. Packing group: III

Hazard label: 9





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Marine pollutant:

Special Provisions: 274, 335, 969

Limited quantity: 5 L
Excepted quantity: E1
EmS: F-A, S-F

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 3082

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

2-Ethyl hexyl nitrate

Reaction mass of 2,6-di-tert-butylphenol and 2,4,6-tri-tert-butylphenol

14.3. Transport hazard class(es):914.4. Packing group:IIIHazard label:9



Special Provisions: A97 A158 A197 A215

Limited quantity Passenger: 30 kg G
Passenger LQ: Y964
Excepted quantity: E1

IATA-packing instructions - Passenger: 964
IATA-max. quantity - Passenger: 450 L
IATA-packing instructions - Cargo: 964
IATA-max. quantity - Cargo: 450 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



Danger releasing substance: 2-Ethyl hexyl nitrate

Reaction mass of 2,6-di-tert-butylphenol and 2,4,6-tri-tert-butylphenol

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No information available.

SECTION 15: Regulatory information

15.1. 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

2010/75/EU (VOC): 90,5 % (774,68 g/l)





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2004/42/EC (VOC): 90,5 % (774,68 g/l)

Information according to 2012/18/EU E2 Hazardous to the Aquatic Environment

(SEVESO III):

Additional information

Contains:

> 30 % aliphatic hydrocarbons < 5 % aromatic hydrocarbons

National regulatory information

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

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

Hydrocarbons, C10-C13, n-Alkanes, Isoalkanes, Cyclics, < 2% Aromatics

2-Ethyl hexyl nitrate

Reaction mass of 2,6-di-tert-butylphenol and 2,4,6-tri-tert-butylphenol

2-ethyl-hexanol

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2.

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Acute Tox. 4; H302	Calculation method
Acute Tox. 4; H332	Calculation method
Asp. Tox. 1; H304	Calculation method
Eye Dam. 1; H318	Calculation method
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)

H302 Harmful if swallowed.

H302+H332 Harmful if swallowed or if inhaled.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage. H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.

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.
EUH044 Risk of explosion if heated under confinement.

EUH066 Repeated exposure may cause skin dryness or cracking.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

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.)