

**Diesel System Super Clean**

Revision date: 14.01.2021

Product code: 1534

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

**1.1. Product identifier**

Diesel System Super Clean

**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 number:** GBK GmbH: +49-(0)6132-84463 (24/7)

**Further Information**

Article Number: 1241, 1242, 1243, 1245, 1246, 1247, 1248, 1249

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Regulation (EC) No. 1272/2008**

Hazard categories:

Flammable liquid: Flam. Liq. 3

Acute toxicity: Acute Tox. 4

Aspiration hazard: Asp. Tox. 1

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Specific target organ toxicity - repeated exposure: STOT RE 2

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Flammable liquid and vapour.

Harmful if inhaled.

May be fatal if swallowed and enters airways.

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

May cause damage to organs through prolonged or repeated exposure.

Harmful to aquatic life with long lasting effects.

**2.2. Label elements**

**Regulation (EC) No. 1272/2008**

**Hazard components for labelling**

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

xylene

2-ethyl-hexanol

2-Ethyl hexyl nitrate

**Signal word:** Danger

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**Pictograms:**



**Hazard statements**

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe vapour/aerosole.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves and eye/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P332+P313	If skin irritation occurs: Get medical advice/attention.
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.
P405	Store locked up.
P501	Dispose of this material and its container to hazardous or special waste collection point.

**Labelling of packages where the contents do not exceed 125 ml**

**Signal word:** Danger

**Pictograms:**



**Hazard statements**

H304-H332-H335-H373-H412

**Precautionary statements**

P101-P102-P260-P271-P301+P310-P331-P312-P405-P501

**2.3. Other hazards**

No information available.

**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-Alkanes, Isoalkanes, Cyclics, < 2% Aromatics			60 - < 65 %
	918-481-9		01-2119457273-39	
	Asp. Tox. 1; H304 EUH066			
1330-20-7	xylene			10 - < 15 %
	215-535-7		01-2119488216-32	
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1; H226 H332 H312 H315 H319 H335 H373 H304			
104-76-7	2-ethyl-hexanol			10 - < 15 %
	203-234-3		01-2119487289-20	
	Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H332 H315 H319 H335			
27247-96-7	2-Ethyl hexyl nitrate			5 - < 10 %
	248-363-6		01-2119539586-27	
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Aquatic Chronic 2; H332 H312 H302 H411 EUH044 EUH066			
68439-80-5	polyolefin amide alkylen amine			1 - < 5 %
	Aquatic Chronic 4; H413			
70024-69-0	Benzenesulfonic acid, mono-C16-24- alkyl derivs., calcium salts			1 - < 5 %
	274-263-7		01-2119492616-28	
108-88-3	toluene			< 1 %
	203-625-9		01-2119471310-51	
	Flam. Liq. 2, Repr. 2, Skin Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1, Aquatic Chronic 3; H225 H361d H315 H336 H373 H304 H412			
69011-36-5	isotridecanole, ethoxylised			< 1 %
	931-138-8			
	Acute Tox. 4, Eye Dam. 1; H302 H318			

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

**Specific concentration limits and M-factors**

CAS No	EC No	Chemical name	Quantity
		Specific concentration limits and M-factors	
69011-36-5	931-138-8	isotridecanole, ethoxylised	< 1 %
	Eye Dam. 1; H318: >= 10,1 - 100 Eye Irrit. 2; H319: >= 1 - < 10,1		

**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.

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**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 (CO<sub>2</sub>).

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 (e.g. sand, diatomaceous earth, acid- or universal binding agents).

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

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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/m <sup>3</sup>	fibres/ml	Category	Origin
104-76-7	2-ethylhexan-1-ol	1	5.4		TWA (8 h)	WEL
108-88-3	Toluene	50	191		TWA (8 h)	WEL
		100	384		STEL (15 min)	WEL
1330-20-7	Xylene: mixed isomers	50	220		TWA (8 h)	WEL
		100	441		STEL (15 min)	WEL

**Biological Monitoring Guidance Values (EH40)**

CAS No	Substance	Parameter	Value	Test material	Sampling time
1330-20-7	Xylene, o-, m-, p- or mixed isomers	methyl hippuric acid (creatinine)	650 mmol/mol	urine	Post shift

**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.

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**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	yellow, transparent
Odour:	aromatic

**Changes in the physical state**

Initial boiling point and boiling range:	200 - 210 °C
Flash point:	54,5 °C
Lower explosion limits:	> 0,6 vol. %
Upper explosion limits:	> 7,0 vol. %
Ignition temperature:	> 200 °C
Vapour pressure:	> 8 hPa
(at 20 °C)	
Density (at 20 °C):	0.820 - 0.850 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.  
No decomposition when used as intended.

**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 inhaled.

**ATEmix calculated**

ATE (inhalation aerosol) 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 > 5000 mg/kg	Rat		
	dermal	LD50 > 5000 mg/kg	Rabbit		
	inhalation (4 h) gas	LC50 >5 ppm	Rat		
1330-20-7	xylene				
	oral	LD50 4300 mg/kg	Rat		
	dermal	LD50 3200 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 21,7 mg/l	Rat		
	inhalation aerosol	ATE 1,5 mg/l			
104-76-7	2-ethyl-hexanol				
	oral	LD50 2047 mg/kg	Rat		
	dermal	LD50 >3000 mg/kg	Rat		
	inhalation vapour	ATE 11 mg/l			
	inhalation aerosol	ATE 1,5 mg/l			
27247-96-7	2-Ethyl hexyl nitrate				
	oral	LD50 >9640 mg/kg	Rat		
	dermal	LD50 >4820 mg/kg	Rabbit		
	inhalation (1 h) vapour	LC50 4,6 mg/l	Rat		
	inhalation aerosol	ATE 1,5 mg/l			
70024-69-0	Benzenesulfonic acid, mono-C16-24- alkyl derivs., calcium salts				
	oral	LD50 >5000 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rabbit		
108-88-3	toluene				
	dermal	LD50 12200 mg/kg	Rabbit	GESTIS	
	inhalation (4 h) vapour	LC50 49 mg/l	Rat	GESTIS	
69011-36-5	isotridecanole, ethoxylised				
	oral	LD50 >2000 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rabbit		

**Irritation and corrosivity**

Causes skin irritation.

Causes serious eye irritation.

**Sensitising effects**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

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

**STOT-single exposure**

May cause respiratory irritation.

**STOT-repeated exposure**

May cause damage to organs through prolonged or repeated exposure. (xylene)

**Aspiration hazard**

May be fatal if swallowed and enters airways.

**SECTION 12: Ecological information**

**12.1. Toxicity**



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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 1000 mg/l	96 h	Oncorhynchus mykiss		
	Acute algae toxicity	ErC50 1000 mg/l	72 h	Pseudokirchneriella subcapitata		
	Acute crustacea toxicity	EC50 1000 mg/l	48 h	Daphnia magna (Big water flea)		
1330-20-7	xylene					
	Acute fish toxicity	LC50 26,7 mg/l	96 h	Pimephales promelas		
104-76-7	2-ethyl-hexanol					
	Acute fish toxicity	LC50 17,1 mg/l	96 h	Leuciscus idus		
	Acute algae toxicity	ErC50 11,5 mg/l	72 h	Scenedesmus subspicatus		
	Acute crustacea toxicity	EC50 39 mg/l	48 h	Daphnia magna		
27247-96-7	2-Ethyl hexyl nitrate					
	Acute fish toxicity	LC50 2 mg/l	96 h	Fish		
	Acute algae toxicity	ErC50 1-10 mg/l	72 h	Algae		
	Acute crustacea toxicity	EC50 >10 mg/l	48 h	Daphnia magna		
70024-69-0	Benzenesulfonic acid, mono-C16-24- alkyl derivs., calcium salts					
	Acute fish toxicity	LC50 >1000 mg/l	96 h	Fish		
	Acute algae toxicity	ErC50 >1000 mg/l	72 h	Algae		
	Acute crustacea toxicity	EC50 >1000 mg/l	48 h	Daphnia magna		
108-88-3	toluene					
	Acute fish toxicity	LC50 13 mg/l	96 h	Carassius auratus	IUCLID	
	Acute algae toxicity	ErC50 12,5 mg/l	72 h		GESTIS	
69011-36-5	isotridecanole, ethoxylised					
	Acute fish toxicity	LC50 1-10 mg/l	96 h	Cyprinus carpio (Carp)		
	Acute algae toxicity	ErC50 1-10 mg/l	72 h	Fish		
	Acute crustacea toxicity	EC50 1-10 mg/l	48 h	Daphnia magna		

**12.2. Persistence and degradability**

No information available.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
69011-36-5	isotridecanole, ethoxylised			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	> 60 %	28	
	OECD 301A/ ISO 7827/ EEC 92/69/V, C.4-A	> 70 %	28	

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**12.3. Bioaccumulative potential**

Swims on the water.

Low potential of bio-accumulation.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
108-88-3	toluene	2,73

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

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.

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)**

<b>14.1. UN number:</b>	UN 1993
<b>14.2. UN proper shipping name:</b>	FLAMMABLE LIQUID, N.O.S. xylene
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	III
Hazard label:	3



Classification code:	F1
Special Provisions:	274 601
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	3
Hazard No:	30
Tunnel restriction code:	D/E

**Inland waterways transport (ADN)**

<b>14.1. UN number:</b>	UN 1993
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**14.2. UN proper shipping name:**

FLAMMABLE LIQUID, N.O.S.  
xylene

**14.3. Transport hazard class(es):**

3

**14.4. Packing group:**

III

Hazard label:

3



Classification code:

F1

Special Provisions:

274 601

Limited quantity:

5 L

Excepted quantity:

E1

**Marine transport (IMDG)**

**14.1. UN number:**

UN 1993

**14.2. UN proper shipping name:**

FLAMMABLE LIQUID, N.O.S.  
xylene

**14.3. Transport hazard class(es):**

3

**14.4. Packing group:**

III

Hazard label:

3



Marine pollutant:

-

Special Provisions:

223, 274, 955

Limited quantity:

5 L

Excepted quantity:

E1

EmS:

F-E, S-E

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number:**

UN 1993

**14.2. UN proper shipping name:**

FLAMMABLE LIQUID, N.O.S.  
xylene

**14.3. Transport hazard class(es):**

3

**14.4. Packing group:**

III

Hazard label:

3



Special Provisions:

A3

Limited quantity Passenger:

10 L

Passenger LQ:

Y344

Excepted quantity:

E1

IATA-packing instructions - Passenger:

355

IATA-max. quantity - Passenger:

60 L

IATA-packing instructions - Cargo:

366

IATA-max. quantity - Cargo:

220 L

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS:

No

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**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**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 28, Entry 48

**Additional information**

Contains: (Regulation (EC) No. 648/2004 (Detergents regulation))

> 30 % aliphatic hydrocarbons

5 - 15 % aromatic hydrocarbons

< 5 % nonionic tensides

**National regulatory information**

Water hazard class (D):

2 - obviously hazardous to water

**Additional information**

Regarding the EU-directive 2008/105/EU contains the product none of the listed substances.

**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): 1,2,3,8,11,14,15.

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

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Acute Tox. 4; H332	Calculation method
Asp. Tox. 1; H304	Calculation method
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
STOT SE 3; H335	Calculation method
STOT RE 2; H373	Calculation method
Aquatic Chronic 3; H412	Calculation method

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

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
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.
H361d	Suspected of damaging the unborn child.

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H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
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.)*