

**Diesel System Cleaner**

Revision date: 26.01.2018

Product code: 1620

Page 1 of 11

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

**1.1. Product identifier**

Diesel System Cleaner

**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:**

For Germany: +49-361-730730 (24 hours/7 days)

**Further Information**

Article Number: 1201, 1202, 1205, 1207, 1208, 1209

**SECTION 2: Hazards identification**

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

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

Hazard categories:

Flammable liquid: Flam. Liq. 3

Aspiration hazard: Asp. Tox. 1

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Reproductive toxicity: Repr. 2

Specific target organ toxicity - repeated exposure: STOT RE 2

Hazard Statements:

Flammable liquid and vapour.

May be fatal if swallowed and enters airways.

Causes skin irritation.

Causes serious eye irritation.

Suspected of damaging the unborn child.

May cause damage to organs through prolonged or repeated exposure.

**2.2. Label elements**

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

**Hazard components for labelling**

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

xylene

toluene

**Signal word:**

Danger

**Pictograms:**



**Diesel System Cleaner**

Revision date: 26.01.2018

Product code: 1620

Page 2 of 11

**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.                                     |
| H361d | Suspected of damaging the unborn child.                            |
| H373  | May cause damage to organs through prolonged or repeated exposure. |

**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.  |
| 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.  |
| P302+P352      | IF ON SKIN: Wash with plenty of water.   |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P314           | Get medical advice/attention if you feel unwell.   |
| P405           | Store locked up.   |
| P501           | Dispose of this material and its container to hazardous or special waste collection point.                                       |

**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  
Lubricants  
Multifunction Diesel Fuel Additive

## Diesel System Cleaner

Revision date: 26.01.2018

Product code: 1620

Page 3 of 11

### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
64742-48-9	Hydrocarbons, C10-C13, n-Alkanes, Isoalkanes, Cyclics, < 2% Aromatics			60 - < 80 %
	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			
70024-69-0	Benzenesulfonic acid, mono-C20-24- alkyl derivs., calcium salts			5 - < 10 %
	274-263-7		01-2119492616-28	
	Eye Irrit. 2; H319			
108-88-3	toluene			1 - < 5 %
	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			

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

### Further Information

Nota H

## 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).

**Diesel System Cleaner**

Revision date: 26.01.2018

Product code: 1620

Page 4 of 11

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 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**

**Diesel System Cleaner**

Revision date: 26.01.2018

Product code: 1620

Page 5 of 11

**Occupational exposure limits**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
108-88-3	Toluene	50	192		TWA (8 h)	
		100	384		STEL (15 min)	
1330-20-7	Xylene, mixed isomers	50	221		TWA (8 h)	
		100	442		STEL (15 min)	

**Biological limit values**

CAS No	Substance	Parameter	Value	Test material	Sampling time
108-88-3	Toluene	Toluene	0.02 mg/L	Blood	Prior to last shift of workweek

**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:	brown
Odour:	aromatic

**Changes in the physical state**

Initial boiling point and boiling range:	200 - 210 °C
Flash point:	45 °C
Lower explosion limits:	> 0,6 vol. %
Upper explosion limits:	> 7,0 vol. %
Ignition temperature:	> 200 °C
Vapour pressure: (at 20 °C)	> 8 hPa
Density (at 20 °C):	0.83 - 0.86 g/cm <sup>3</sup>

**Diesel System Cleaner**

Revision date: 26.01.2018

Product code: 1620

Page 6 of 11

Water solubility:  
(at 20 °C) insoluble

**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**

**Diesel System Cleaner**

Revision date: 26.01.2018

Product code: 1620

Page 7 of 11

**Acute toxicity**

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		
	inhalative (4 h) gas	LC50 >5 ppm	Rat		
1330-20-7	xylene				
	oral	LD50 4300 mg/kg	Rat		
	dermal	LD50 3200 mg/kg	Rabbit		
	inhalative (4 h) vapour	LC50 21,7 mg/l	Rat		
	inhalative aerosol	ATE 1,5 mg/l			
70024-69-0	Benzenesulfonic acid, mono-C20-24- 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	
	inhalative (4 h) vapour	LC50 49 mg/l	Rat	GESTIS	

**Irritation and corrosivity**

After skin contact: Frequently or prolonged contact with skin may cause dermal irritation.

Irritation of eyes: Irritant effect possible.

**Sensitising effects**

no danger of sensitization.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Diesel System Cleaner**

Revision date: 26.01.2018

Product code: 1620

Page 8 of 11

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	72 h	Pseudokirchneriella subcapitata	
	Acute crustacea toxicity	EC50 mg/l	1000	48 h	Daphnia magna (Big water flea)	
1330-20-7	xylene					
	Acute fish toxicity	LC50 mg/l	26,7	96 h	Pimephales promelas	
70024-69-0	Benzenesulfonic acid, mono-C20-24- alkyl derivs., calcium salts					
	Acute fish toxicity	LC50 mg/l	>1000	96 h	Fish	
	Acute algae toxicity	ErC50 mg/l	>1000	72 h	Algae	
	Acute crustacea toxicity	EC50 mg/l	>1000	48 h	Daphnia magna	
108-88-3	toluene					
	Acute fish toxicity	LC50	13 mg/l	96 h	Carassius auratus	IUCLID
	Acute algae toxicity	ErC50 mg/l	12,5	72 h		GESTIS

**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
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**

**Advice on disposal**

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.



**Diesel System Cleaner**

Revision date: 26.01.2018

Product code: 1620

Page 9 of 11

**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 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3



Classification code: F1  
Special Provisions: 274 601 640E  
Limited quantity: 5 L  
Excepted quantity: E1  
Transport category: 3  
Hazard No: 30  
Tunnel restriction code: D/E

**Inland waterways transport (ADN)**

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



Classification code: F1  
Special Provisions: 274 601 640E  
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.  
**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

**Diesel System Cleaner**

Revision date: 26.01.2018

Product code: 1620

Page 10 of 11

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

**14.1. UN number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**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

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

Entry 48: toluene

**Additional information**

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

> 30 % hydrocarbons, aliphatic.

5 - 15 % hydrocarbons, aromatic.

**National regulatory information**

Water contaminating class (D): 2 - clearly water contaminating

**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**

**Diesel System Cleaner**

Revision date: 26.01.2018

Product code: 1620

Page 11 of 11

**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
Asp. Tox. 1; H304	Calculation method
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Repr. 2; H361d	Calculation method
STOT RE 2; H373	Calculation method

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

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
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.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

**Further Information**

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

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

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