

Page 1 of 17 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 03.07.2023 / 0032 Replacing version dated / version: 02.09.2022 / 0031 Valid from: 03.07.2023 PDF print date: 04.07.2023 Pro-Line JetClean Diesel-System-Reiniger

### Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

### **1.1 Product identifier**

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### Pro-Line JetClean Diesel-System-Reiniger

1.2 Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the substance or mixture: System cleaner for vehicle fuel units (diesel engines)

Uses advised against: No information available at present.

### 1.3 Details of the supplier of the safety data sheet

LIQUI MOLY GmbH Jerg-Wieland-Str. 4 89081 Ulm-Lehr Tel.: (+49) 0731-1420-0 Fax: (+49) 0731-1420-88

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

### 1.4 Emergency telephone number Emergency information services / official advisory body:

Telephone number of the company in case of emergencies: +49 (0) 700 / 24 112 112 (LMR) +1 872 5888271 (LMR)

### **SECTION 2: Hazards identification**

2.1 Classification of the substance or mixture

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Classification according to Regulation (EC) 1272/2008 (CLP)

Hazard class Asp. Tox. Aquatic Chronic Hazard category

### Hazard statement

H304-May be fatal if swallowed and enters airways. H411-Toxic to aquatic life with long lasting effects.

2.2 Label elements Labeling according to Regulation (EC) 1272/2008 (CLP)





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Danger

H304-May be fatal if swallowed and enters airways. H411-Toxic to aquatic life with long lasting effects.

P101-If medical advice is needed, have product container or label at hand. P102-Keep out of reach of children. P273-Avoid release to the environment. P301+P310-IF SWALLOWED: Immediately call a POISON CENTER / doctor. P331-Do NOT induce vomiting. P405-Store locked up. P501-Dispose of contents / container to an approved waste disposal facility.

EUH044-Risk of explosion if heated under confinement. EUH066-Repeated exposure may cause skin dryness or cracking.

Hydrocarbons, C10, aromatics, <1% naphthalene Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics

### 2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %). The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC)

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %). The mixture does not contain any substance with endocrine disrupting properties (< 0,1 %).

### **SECTION 3: Composition/information on ingredients**

#### 3.1 Substances

#### n.a. 3.2 Mixtures

01-2119457273-39-XXXX
918-481-9
75-<90
EUH066
Asp. Tox. 1, H304
01-2119539586-27-XXXX
248-363-6
27247-96-7
10-<20
EUH044
EUH066
Acute Tox. 4, H302
Acute Tox. 4, H312
Acute Tox. 4, H332
Aquatic Acute 1, H400 (M=1)

Hydrocarbons, C10, aromatics, <1% naphthalene		
Registration number (REACH)	01-2119463583-34-XXXX	
Index		
EINECS, ELINCS, NLP, REACH-IT List-No.	918-811-1	
CAS	(64742-94-5)	
content %	1-<2,5	

Aquatic Chronic 1, H410 (M=1)



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Classification according to Regulation (EC) 1272/2008 (CLP), M-factors

EUH066 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

If, for example, the note P is applied for a hydrocarbon then this has already been taken into account for the classification named here. Quote: "Note P - The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7)."

Article 4 of the regulation (EC) no. 1272/2008 (CLP regulation) was also observed and taken into account for the classification named here.

### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

First-aiders should ensure they are protected!

Never pour anything into the mouth of an unconscious person!

#### Inhalation

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#### Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms.

#### Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

#### Eye contact

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

#### Ingestion

Rinse the mouth thoroughly with water.

Do not induce vomiting - give copious water to drink. Consult doctor immediately.

Danger of aspiration.

### In case of vomiting, keep head low so that the stomach content does not reach the lungs.

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1. In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

reddening of the skin drying of the skin nausea vomiting Danger of aspiration. oedema of the lungs Chemical pneumonitis (condition similar to pneumonia)

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

Gastric lavage (stomach washing) only under endotracheal intubation.

Subsequent observation for pneumonia and pulmonary oedema.

### **SECTION 5: Firefighting measures**

### 5.1 Extinguishing media

### Suitable extinguishing media

CO2 Extinction powder Foam

#### Unsuitable extinguishing media

## High volume water jet **5.2 Special hazards arising from the substance or mixture**

In case of fire the following can develop: Oxides of carbon



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Oxides of nitrogen Toxic gases

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### 5.3 Advice for firefighters

For personal protective equipment see Section 8. In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire Full protection, if necessary. Cool container at risk with water. Dispose of contaminated extinction water according to official regulations.

### **SECTION 6: Accidental release measures**

### 6.1 Personal precautions, protective equipment and emergency procedures

### 6.1.1 For non-emergency personnel

In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to prevent contamination.

Ensure sufficient ventilation, remove sources of ignition.

Avoid dust formation with solid or powder products.

Leave the danger zone if possible, use existing emergency plans if necessary.

Avoid contact with eyes or skin.

#### If applicable, caution - risk of slipping. 6.1.2 For emergency responders

See section 8 for suitable protective equipment and material specifications.

#### 6.2 Environmental precautions

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

Prevent from entering drainage system.

Prevent surface and ground-water infiltration, as well as ground penetration.

If accidental entry into drainage system occurs, inform responsible authorities.

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

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth) and dispose of according to Section 13. Fill the absorbed material into lockable containers.

#### 6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

### **SECTION 7: Handling and storage**

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

### 7.1 Precautions for safe handling

### 7.1.1 General recommendations

Ensure good ventilation.

Keep away from sources of ignition - Do not smoke. Avoid contact with eyes or skin.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

### 7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals.

Store product closed and only in original packing. Not to be stored in gangways or stair wells.

Under all circumstances prevent penetration into the soil.

Do not store with oxidizing agents.

Store in a well ventilated place.

Protect from direct sunlight and warming.



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#### Store cool. 7.3 Specific end use(s)

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No information available at present.

Observe the instructions for good working practice and the recommendations for risk assessment.

Consult hazardous substance information systems, e.g. from the professional associations, the chemical industry or different industries, depending on the application (building materials, wood, chemistry, laboratory, leather, metal).

### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

Workplace exposure limit (WEL) of the total hydrocarbon solvent content of the mixture (RCP method according to EH40): 800 mg/m3

Of the second	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyc	lics, <2% aromatics	
WEL-TWA: 800 mg/m3	WEL-STEL:		
Monitoring procedures:	<ul> <li>Draeger - Hydrocarbons 0,1%/c (8)</li> </ul>	31 03 571)	
	- Draeger - Hydrocarbons 2/a (81 0	3 581)	
	- Compur - KITA-187 S (551 174)		
BMGV:		Other information: (C	EL acc. to RCP-method,
		paragraphs 84-87, EH	40)
Chemical Name	Hydrocarbons, C10, aromatics, <1% naphthalene		
WEL-TWA: 500 mg/m3 (Aromatics	s) WEL-STEL:		
Monitoring procedures:	<ul> <li>Draeger - Hydrocarbons 0,1%/c (8)</li> </ul>	31 03 571)	
	<ul> <li>Draeger - Hydrocarbons 2/a (81 0)</li> </ul>	3 581)	
	- Compur - KITA-187 S (551 174)		
BMGV:		Other information:	

Area of application	Exposure route / Environmental	Effect on health	Descriptor	Value	Unit	Note
	compartment					
	Environment - freshwater		PNEC	0,8	µg/l	
	Environment - marine		PNEC	0,08	µg/l	
	Environment - soil		PNEC	0,00019 1	mg/kg dw	
	Environment - sediment, freshwater		PNEC	0,00074	mg/kg dw	
	Environment - sediment, marine		PNEC	0,00074	mg/kg dw	
	Environment - sewage treatment plant		PNEC	10	mg/l	
Consumer	Human - dermal	Long term, systemic effects	DNEL	0,52	mg/kg bw/day	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	0,087	mg/m3	
Consumer	Human - oral	Long term, systemic effects	DNEL	0,025	mg/kg bw/day	
Consumer	Human - dermal	Long term, local effects	DNEL	0,022	mg/cm2	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	1	mg/kg bw/day	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	0,35	mg/m3	
Workers / employees	Human - dermal	Long term, local effects	DNEL	0,044	mg/cm2	

Hydrocarbons, C10, aromatics, <1% naphthalene							
Area of application	Exposure route /	Effect on health	Descriptor	Value	Unit	Note	
	Environmental						
	compartment						



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Consumer	Human - dermal	Long term	DNEL	7,5	mg/kg bw/day
Consumer	Human - inhalation	Long term	DNEL	32	mg/m3
Consumer	Human - oral	Long term	DNEL	7,5	mg/kg bw/day
Workers / employees	Human - dermal	Long term	DNEL	12,5	mg/kg bw/day
Workers / employees	Human - inhalation	Long term	DNEL	151	mg/m3

(B) WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).

(8) = Inhalable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (Directive 2004/37/CE). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).

(8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU), 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

\*\* = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision. (13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE), (14) = The substance can cause sensitisation of the skin (Directive 2004/37/CE).

### 8.2 Exposure controls

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### 8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.

These are specified by e.g. EN 14042.

EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

#### 8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:

Skin protection - Hand protection:

Tight fitting protective goggles with side protection (EN 166).

Solvent resistant protective gloves (EN ISO 374). If applicable Protective nitrile gloves (EN ISO 374). Protective gloves made of polyvinyl alcohol (EN ISO 374). Protective Viton® / fluoroelastomer gloves (EN ISO 374). Minimum layer thickness in mm: 0,4 Permeation time (penetration time) in minutes: > 480 The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions. The recommended maximum wearing time is 50% of breakthrough time. Protective hand cream recommended.

Skin protection - Other: Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection: If OES or MEL is exceeded. Gas mask filter A (EN 14387), code colour brown



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#### At high concentrations: Respiratory protection appliance (insulation device) (e.g. EN 137 or EN 138) Observe wearing time limitations for respiratory protection equipment.

Thermal hazards: Not applicable

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Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents. Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

### 8.2.3 Environmental exposure controls

No information available at present.

### **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Yellow
Odour:	Characteristic
Melting point/freezing point:	There is no information available on this parameter.
Boiling point or initial boiling point and boiling range:	There is no information available on this parameter.
Flammability:	There is no information available on this parameter.
Lower explosion limit:	There is no information available on this parameter.
Upper explosion limit:	There is no information available on this parameter.
Flash point:	63 °C
Auto-ignition temperature:	There is no information available on this parameter.
Decomposition temperature:	There is no information available on this parameter.
pH:	n.a.
Kinematic viscosity:	<=20,5 mm2/s (40°C)
Kinematic viscosity:	<7 mm2/s (40°C)
Solubility:	Insoluble
Partition coefficient n-octanol/water (log value):	Does not apply to mixtures.
Vapour pressure:	There is no information available on this parameter.
Density and/or relative density:	0,8167 g/cm3 (15°C)
Relative vapour density:	There is no information available on this parameter.
Particle characteristics:	Does not apply to liquids.
9.2 Other information	
No information available at present.	

### **SECTION 10: Stability and reactivity**

#### **10.1 Reactivity**

The product has not been tested. **10.2 Chemical stability** Stable with proper storage and handling. **10.3 Possibility of hazardous reactions** Risk of explosion if heated under confinement. **10.4 Conditions to avoid** Heating, open flame, ignition sources Pressure increase will result in danger of bursting. **10.5 Incompatible materials** Avoid contact with strong oxidizing agents. **10.6 Hazardous decomposition products** 

No decomposition when used as directed.



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### **SECTION 11: Toxicological information**

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Possibly more information on health effects, see Section 2.1 (classification).

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	ATE	>2000	mg/kg			calculated value
Acute toxicity, by dermal route:	ATE	>2000	mg/kg			calculated value
Acute toxicity, by inhalation:	ATE	>20	mg/l/4h			calculated value, Vapours
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin						n.d.a.
sensitisation:						
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):						n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.a.
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 401 (Acute Oral	Analogous
					Toxicity)	conclusion
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit	OECD 402 (Acute	Analogous
					Dermal Toxicity)	conclusion
Acute toxicity, by inhalation:	LC50	>4951	mg/m3/4h	Rat	OECD 403 (Acute	Analogous
					Inhalation Toxicity)	conclusion,
						Vapours
Skin corrosion/irritation:					OECD 404 (Acute	Not irritant,
					Dermal	Analogous
					Irritation/Corrosion)	conclusion
Serious eye damage/irritation:					OECD 405 (Acute Eye	Not irritant,
					Irritation/Corrosion)	Analogous
						conclusion
Respiratory or skin					OECD 406 (Skin	Not sensitizising,
sensitisation:					Sensitisation)	Analogous
						conclusion
Germ cell mutagenicity:					OECD 473 (In Vitro	Negative,
					Mammalian	Analogous
					Chromosome	conclusion
<u> </u>					Aberration Test)	
Germ cell mutagenicity:					OECD 474 (Mammalian	Negative,
					Erythrocyte	Analogous
<b>O</b> III ( 19				0.1	Micronucleus Test)	conclusion
Germ cell mutagenicity:				Salmonella	OECD 471 (Bacterial	Negative
Operation and a link to				typhimurium	Reverse Mutation Test)	Newsters
Carcinogenicity:					OECD 453 (Combined Chronic	Negative,
						Analogous conclusion
					Toxicity/Carcinogenicity	conclusion
Reproductive toxicity:					Studies) OECD 414 (Prenatal	Negative,
					Developmental Toxicity	Analogous
					Study)	conclusion
Specific target organ toxicity -					OECD 408 (Repeated	Negative,
repeated exposure (STOT-RE):					Dose 90-Day Oral	Analogous
repeated exposure (STOT-RE).					Toxicity Study in	conclusion
					Rodents)	CONClusion



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Aspiration hazard:	1					Yes
Symptoms:						unconsciousnes
Symptoms.						, headaches,
						dizziness,
						mucous
						membrane
						irritation
						intation
2-ethylhexyl nitrate						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by dermal route:						Experiences on
						persons.,
						Harmful
Acute toxicity, by inhalation:	LCLo	>4,6	mg/l/1h	Rat		Mist
Acute toxicity, by inhalation:						Experiences on
						persons.,
Skin corrosion/irritation:				Dahhit		Harmful
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal	Not irritant, Repeated
					Irritation/Corrosion)	exposure may
					Initation/Conosion)	cause skin
						dryness or
						cracking.
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye	Not irritant
conous eye admage, matem				Rabbit	Irritation/Corrosion)	
Respiratory or skin				Guinea pig	OECD 406 (Skin	No (skin contac
sensitisation:					Sensitisation)	- (
Germ cell mutagenicity:				Mouse	OECD 476 (In Vitro	Negative
					Mammalian Cell Gene	
					Mutation Test)	
Germ cell mutagenicity:				Human being	OECD 473 (In Vitro	Negative
					Mammalian	
					Chromosome	
					Aberration Test)	
Germ cell mutagenicity:				Salmonella	OECD 471 (Bacterial	Negative
	NOAEL			typhimurium	Reverse Mutation Test)	
Reproductive toxicity:	NOAEL	20	mg/kg	Rat	OECD 421	Negative, oral
			bw/d		(Reproduction/Developm	
					ental Toxicity Screening Test)	
Specific target organ toxicity -	NOAEL	500	mg/kg	Rabbit	1000	Negativederma
repeated exposure (STOT-RE),			bw/d			
dermal:						
Specific target organ toxicity -	NOAEL	863	mg/m3	Rat	OECD 413 (Subchronic	Vapours,
repeated exposure (STOT-RE),					Inhalation Toxicity - 90-	Analogous
inhalat.:					Day Study)	conclusion(90 c
Symptoms:						headaches,
						dizziness,
						nausea, drop ir
						blood pressure
						diarrhoea,
						unconsciousne
	1					, eyes, reddene

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Hydrocarbons, C10, aromatics, <1% naphthalene							
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes	
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 401 (Acute Oral		
					Toxicity)		
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rabbit	OECD 402 (Acute		
					Dermal Toxicity)		
Acute toxicity, by inhalation:	LC50	>4688	mg/m3/4h	Rat	OECD 403 (Acute	Vapours	
					Inhalation Toxicity)		



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Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Skin corrosion/irritation:					,	Repeated exposure may cause skin dryness or cracking.
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Not sensitizising
Germ cell mutagenicity:					OECD 479 (Genetic Toxicology - In Vitro Sister Chromatid Exchange assay in Mammalian Cells)	Negative
Germ cell mutagenicity:				Salmonella typhimurium	OECD 471 (Bacterial Reverse Mutation Test)	Negative, Analogous conclusion
Reproductive toxicity (Developmental toxicity):				Rat	OECD 414 (Prenatal Developmental Toxicity Study)	Negative, Analogous conclusionoral
Reproductive toxicity (Effects on fertility):				Rat	OECD 416 (Two- generation Reproduction Toxicity Study)	Negative, Analogous conclusioninhalat
Specific target organ toxicity - single exposure (STOT-SE):						May cause drowsiness or dizziness., STOT SE 3, H336
Specific target organ toxicity - repeated exposure (STOT-RE):					OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)	Negative
Aspiration hazard:						Yes
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAEC	>0,38	mg/l	Rat	OECD 413 (Subchronic Inhalation Toxicity - 90- Day Study)	Vapours, Analogous conclusion13 weeks
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAEC	900	mg/m3	Rat	OECD 452 (Chronic Toxicity Studies)	Vapours, Analogous conclusion12 months
Symptoms:						headaches, dizziness, fatigue, nausea and vomiting.
Symptoms:						drowsiness, headaches, drowsiness, dizziness

## 11.2. Information on other hazards

Pro-Line JetClean Diesel-System-Reiniger						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Endocrine disrupting properties:						Does not apply
						to mixtures.



· @B							
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Safety data sheet accordir	na to Regulation	(EC) No 1	1907/2006 A	nnev II			
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Valid from: 03.07.2023							
PDF print date: 04.07.202	3						
Pro-Line JetClean Diesel-	Svstem-Reiniaer						
Other information:							No other
							relevant
							information
							available on
							adverse effects
							on health.
Liverageriana C10 C12	n allianaa iaaa	llionee	avaliaa 20/	ana matia a			
Hydrocarbons, C10-C13, Toxicity / effect	, n-aikanes, isoa Endpoi		cyclics, <2% alue	Unit	Organism	Test method	Notes
Other information:	Enupo		aiue	Unit	Organishi	Test method	
Other Information:							Repeated
							exposure may
							cause skin
							dryness or
							cracking.
	·						
		000				•	
		SECI	ION 12:	Ecologie	cal informat	ion	
Possibly more information	on environmenta	al effects.	see Section	2.1 (classific	ation).		
Possibly more information <b>Pro-Line JetClean Diese</b>			see Section	2.1 (classific	ation).		
Pro-Line JetClean Diese	I-System-Reinig		see Section	2.1 (classific	,	Test method	Notes
Pro-Line JetClean Diese Toxicity / effect		jer			ation).	Test method	
Pro-Line JetClean Diese Toxicity / effect 12.1. Toxicity to fish:	I-System-Reinig	jer			,	Test method	n.d.a.
Pro-Line JetClean Diese Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia:	I-System-Reinig	jer			,	Test method	n.d.a. n.d.a.
Pro-Line JetClean Diese Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae:	I-System-Reinig	jer			,	Test method	n.d.a. n.d.a. n.d.a.
Pro-Line JetClean Diese Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae: 12.2. Persistence and	I-System-Reinig	jer			,	Test method	n.d.a. n.d.a. n.d.a. Isolate as much
Pro-Line JetClean Diese Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae:	I-System-Reinig	jer			,	Test method	n.d.a. n.d.a. n.d.a. Isolate as much as possible with
Pro-Line JetClean Diese Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae: 12.2. Persistence and degradability:	I-System-Reinig	jer			,	Test method	n.d.a. n.d.a. Isolate as much as possible with an oil separator.
Pro-Line JetClean Diese Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae: 12.2. Persistence and	I-System-Reinig	jer			,	Test method	n.d.a. n.d.a. n.d.a. Isolate as much as possible with
Pro-Line JetClean Diese Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae: 12.2. Persistence and degradability:	I-System-Reinig	jer			,	Test method	n.d.a. n.d.a. Isolate as much as possible with an oil separator.
Pro-Line JetClean Diese Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.3. Bioaccumulative	I-System-Reinig	jer			,	Test method	n.d.a. n.d.a. Isolate as much as possible with an oil separator.
Pro-Line JetClean Diese Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential:	I-System-Reinig	jer			,	Test method	n.d.a. n.d.a. Isolate as much as possible with an oil separator. n.d.a.
Pro-Line JetClean DieseToxicity / effect12.1. Toxicity to fish:12.1. Toxicity to daphnia:12.1. Toxicity to algae:12.2. Persistence and degradability:12.3. Bioaccumulative potential:12.4. Mobility in soil:12.5. Results of PBT	I-System-Reinig	jer			,	Test method	n.d.a. n.d.a. Isolate as much as possible with an oil separator. n.d.a. n.d.a.
Pro-Line JetClean DieseToxicity / effect12.1. Toxicity to fish:12.1. Toxicity to daphnia:12.1. Toxicity to algae:12.2. Persistence and degradability:12.3. Bioaccumulative potential:12.4. Mobility in soil:12.5. Results of PBT and vPvB assessment	I-System-Reinig	jer			,	Test method	n.d.a. n.d.a. Isolate as much as possible with an oil separator. n.d.a. n.d.a.
Pro-Line JetClean DieseToxicity / effect12.1. Toxicity to fish:12.1. Toxicity to daphnia:12.1. Toxicity to algae:12.2. Persistence and degradability:12.3. Bioaccumulative potential:12.4. Mobility in soil:12.5. Results of PBT and vPvB assessment12.6. Endocrine	I-System-Reinig	jer			,	Test method	n.d.a.n.d.a.n.d.a.Isolate as muchas possible withan oil separator.n.d.a.n.d.a.n.d.a.Does not apply
Pro-Line JetClean Diese Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to dapae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential: 12.4. Mobility in soil: 12.5. Results of PBT and vPvB assessment 12.6. Endocrine disrupting properties:	I-System-Reinig	jer			,	Test method	n.d.a.         n.d.a.         lsolate as much         as possible with         an oil separator.         n.d.a.         n.d.a.         n.d.a.         Does not apply         to mixtures.
Pro-Line JetClean Diese Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to dapae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential: 12.4. Mobility in soil: 12.5. Results of PBT and vPvB assessment 12.6. Endocrine disrupting properties: 12.7. Other adverse	I-System-Reinig	jer			,	Test method	n.d.a.         n.d.a.         lsolate as much as possible with an oil separator.         n.d.a.         n.d.a.         n.d.a.         n.d.a.         N.d.a.         N.d.a.         N.d.a.         N.d.a.         No information
Pro-Line JetClean Diese Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to dapae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential: 12.4. Mobility in soil: 12.5. Results of PBT and vPvB assessment 12.6. Endocrine disrupting properties:	I-System-Reinig	jer			,	Test method	n.d.a.         n.d.a.         lsolate as much as possible with an oil separator.         n.d.a.         n.d
Pro-Line JetClean Diese Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to dapae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential: 12.4. Mobility in soil: 12.5. Results of PBT and vPvB assessment 12.6. Endocrine disrupting properties: 12.7. Other adverse	I-System-Reinig	jer			,	Test method	n.d.a.         n.d.a.         lsolate as much as possible with an oil separator.         n.d.a.         omixtures.         No information available on other adverse
Pro-Line JetClean Diese Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to dapae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential: 12.4. Mobility in soil: 12.5. Results of PBT and vPvB assessment 12.6. Endocrine disrupting properties: 12.7. Other adverse	I-System-Reinig	jer			,	Test method	n.d.a.         n.d.a.         lsolate as much as possible with an oil separator.         n.d.a.         n.d
Pro-Line JetClean Diese Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to dapae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential: 12.4. Mobility in soil: 12.5. Results of PBT and vPvB assessment 12.6. Endocrine disrupting properties: 12.7. Other adverse	I-System-Reinig	jer			,	Test method	n.d.a.         n.d.a.         lsolate as much as possible with an oil separator.         n.d.a.         on other adverse effects on the
Pro-Line JetClean DieseToxicity / effect12.1. Toxicity to fish:12.1. Toxicity to daphnia:12.1. Toxicity to algae:12.2. Persistence anddegradability:12.3. Bioaccumulativepotential:12.4. Mobility in soil:12.5. Results of PBTand vPvB assessment12.6. Endocrinedisrupting properties:12.7. Other adverseeffects:	I-System-Reinig	jer			,	Test method	n.d.a.         n.d.a.         lsolate as much as possible with an oil separator.         n.d.a.         optimized for the second se
Pro-Line JetClean Diese Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to dapae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential: 12.4. Mobility in soil: 12.5. Results of PBT and vPvB assessment 12.6. Endocrine disrupting properties: 12.7. Other adverse	I-System-Reinig	jer			,	Test method	n.d.a.         n.d.a.         lsolate as much as possible with an oil separator.         n.d.a.         No information available on other adverse effects on the environment.         According to the
Pro-Line JetClean DieseToxicity / effect12.1. Toxicity to fish:12.1. Toxicity to daphnia:12.1. Toxicity to algae:12.2. Persistence anddegradability:12.3. Bioaccumulativepotential:12.4. Mobility in soil:12.5. Results of PBTand vPvB assessment12.6. Endocrinedisrupting properties:12.7. Other adverseeffects:	I-System-Reinig	jer			,	Test method	n.d.a.         n.d.a.         lsolate as much as possible with an oil separator.         n.d.a.         No information available on other adverse effects on the environment.         According to the recipe, contains
Pro-Line JetClean DieseToxicity / effect12.1. Toxicity to fish:12.1. Toxicity to daphnia:12.1. Toxicity to algae:12.2. Persistence and degradability:12.3. Bioaccumulative potential:12.4. Mobility in soil:12.5. Results of PBT and vPvB assessment12.6. Endocrine disrupting properties:12.7. Other adverse effects:Other information:	I-System-Reinig	jer			,	Test method	n.d.a.         n.d.a.         lsolate as much as possible with an oil separator.         n.d.a.         No information available on other adverse effects on the environment.         According to the recipe, contains no AOX.
Pro-Line JetClean Diese Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to dapae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential: 12.4. Mobility in soil: 12.5. Results of PBT and vPvB assessment 12.6. Endocrine disrupting properties: 12.7. Other adverse effects:	I-System-Reinig	jer			,	Test method	n.d.a.         n.d.a.         lsolate as much as possible with an oil separator.         n.d.a.         No information available on other adverse effects on the environment.         According to the recipe, contains

	Other information:					DOC-elimination
						degree(complexi
						ng organic
						substance)>=
						80%/28d: No
	Other information:	AOX		%		According to the
						recipe, contains
						no AOX.
1	<u> </u>		· · ·		· · · ·	

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	NOELR	28d	0,101	mg/l	Oncorhynchus mykiss		
12.1. Toxicity to fish:	LL50	96h	>1000	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to daphnia:	EL50	48h	>1000	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to daphnia:	NOELR	21d	0,176	mg/l	Daphnia magna	· ·	



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12.1. Toxicity to algae:	EL50	72h	>1000	mg/l	Pseudokirchneriell a subcapitata	OECD 201 (Alga, Growth Inhibition	
12.2. Persistence and degradability:		28d	80	%	activated sludge	Test) OECD 301 F (Ready Biodegradability - Manometric Respirometry Test)	Readily biodegradable
12.3. Bioaccumulative potential:	BCF		10-2500			, , ,	High
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
Other organisms:	EL50	48h	>1000	mg/l	Tetrahymen pyriformis		
Water solubility:							Product floats on the water surface.

2-ethylhexyl nitrate	Endnaint	Time	Value	Unit	Organiam	Test method	Notes
Toxicity / effect	Endpoint	-			Organism		Notes
12.1. Toxicity to fish:	LC50	96h	2	mg/l	Brachydanio rerio	OECD 203 (Fish,	
						Acute Toxicity	
	5050					Test)	
12.1. Toxicity to daphnia:	EC50	48h	0,83	mg/l	Daphnia magna		
12.1. Toxicity to algae:	EC50	72h	>2,53	mg/l	Pseudokirchneriell		
			-		a subcapitata		
12.2. Persistence and	DOC	28d	0	%	activated sludge	OECD 310	Not
degradability:						(Ready	biodegradable
						Biodegradability -	
						CO2 in sealed	
						vessels	
						(Headspace Test))	
12.3. Bioaccumulative	Log Pow		5,24			OECD 117	High
potential:						(Partition	
						Coefficient (n-	
						octanol/water) -	
						HPLC method)	
12.3. Bioaccumulative	BCF		1332				
potential:							
12.5. Results of PBT							No PBT
and vPvB assessment							substance, No
							vPvB substance
Toxicity to bacteria:	EC50	3h	>1000	mg/l	activated sludge	OECD 209	
-						(Activated Sludge,	
						Respiration	
						Inhibition Test	
						(Carbon and	
						Ammonium	
						Oxidation))	

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	2-5	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to fish:	LL50	96h	2 - 5	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to fish:	LL50	96h	2-5	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	Analogous conclusion



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12.1. Toxicity to daphnia:	EC50	48h	3 -10	mg/l	Daphnia magna	OECD 202	Analogous
						(Daphnia sp.	conclusion
						Acute	
						Immobilisation	
						Test)	
12.1. Toxicity to algae:	NOELR	72h	2,5	mg/l	Pseudokirchneriell	OECD 201 (Alga,	
					a subcapitata	Growth Inhibition	
						Test)	
12.1. Toxicity to algae:	EC50	72h	>1 -3	mg/l	Raphidocelis	OECD 201 (Alga,	
					subcapitata	Growth Inhibition	
						Test)	
12.2. Persistence and		28d	49,6	%		OECD 301 F	Not readily but
degradability:						(Ready	inherent
						Biodegradability -	biodegradable.,
						Manometric	Inherent
						Respirometry Test)	
12.3. Bioaccumulative potential:	BCF		<100				Low
12.5. Results of PBT							No PBT
and vPvB assessment							substance, No
							vPvB substance
Water solubility:							Insoluble

### **SECTION 13: Disposal considerations**

### 13.1 Waste treatment methods For the substance / mixture / residual amounts

EC disposal code no.:

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The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be

allocated under certain circumstances. (2014/955/EU)

07 07 04 other organic solvents, washing liquids and mother liquors

14 06 03 other solvents and solvent mixtures

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

Implement substance recycling.

#### E.g. suitable incineration plant.

### For contaminated packing material

Pay attention to local and national official regulations.

Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

### **SECTION 14: Transport information**

## General statements

Talispoli by load/by fall (ADR/RID)		
14.1. UN number or ID number:	3082	
14.2. UN proper shipping name:		
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID	, N.O.S. (2-ETHYLHEXYL NITRATE, HYDROCARBONS,	
C10, AROMATICS)		allb.
14.3. Transport hazard class(es):	9	~
14.4. Packing group:	III	Ar
14.5. Environmental hazards:	environmentally hazardous	<\\>
Tunnel restriction code:	-	$\sim$
Classification code:	M6	
LQ:	5 L	
Transport category:	3	
Transport by sea (IMDG-code)		



Page 14 of 17 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 03.07.2023 / 0032 Replacing version dated / version: 02.09.2022 / 0031 Valid from: 03.07.2023 PDF print date: 04.07.2023 Pro-Line JetClean Diesel-System-Reiniger		
14.1. UN number or ID number:	3082	
14.2. UN proper shipping name:		
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N	N.O.S. (2-ETHYLHEXYL NITRATE, HYDROCARBONS,	
C10, AROMATICS)		allb
14.3. Transport hazard class(es):	9	<b></b>
14.4. Packing group:	III	- AL
14.5. Environmental hazards:	environmentally hazardous	
Marine Pollutant:	Yes	$\sim$
EmS:	F-A, S-F	
Transport by air (IATA)		
14.1. UN number or ID number:	3082	
14.2. UN proper shipping name:		
UN 3082 Environmentally hazardous substance, liquid, n.o.s. (2-ETHYL	HEXYL NITRATE, HYDROCARBONS, C10,	ሐ
AROMATICS)	9	ளிந
14.3. Transport hazard class(es): 14.4. Packing group:	9 	V,
14.4. Facking group. 14.5. Environmental hazards:	environmentally hazardous	<₩
		$\sim$
14.6. Special precautions for user		
Persons employed in transporting dangerous goods must be trained. All persons involved in transporting must observe safety regulations.		
Precautions must be taken to prevent damage.		
	instrumente	
14.7. Maritime transport in bulk according to IMO		
Freighted as packaged goods rather than in bulk, therefore not applicab Minimum amount regulations have not been taken into account.	le.	
Danger code and packing code on request.		
Comply with special provisions.		

### **SECTION 15: Regulatory information**

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

Observe restrictions: Comply with trade association/occupational health regulations.

Directive 2012/18/EU ("Seveso III"), Annex I, Part 1 - The following categories apply to this product (others may also need to be considered according to storage, handling etc.):

Hazard categories	Notes to Annex I	Qualifying quantity (tonnes) of	Qualifying quantity (tonnes) of
		dangerous substances as	dangerous substances as
		referred to in Article 3(10) for the	referred to in Article 3(10) for the
		application of - Lower-tier	application of - Upper-tier
		requirements	requirements
E2		200	500

The Notes to Annex 1 of Directive 2012/18/EU, in particular those named in the tables here and notes 1-6, must be taken into account when assigning categories and qualifying quantities.

Directive 2010/75/EU (VOC):

~ 99 %

National requirements/regulations on safety and health protection must be applied when using work equipment.

### 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

### **SECTION 16: Other information**

Revised sections:

 $2,\,3,\,4,\,6,\,7,\,8,\,9,\,11,\,12,\,14,\,15,\,16$ 

Employee training in handling dangerous goods is required. These details refer to the product as it is delivered.

Employee instruction/training in handling hazardous materials is required.



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# Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Classification in accordance with regulation (EC) No. 1272/2008 (CLP)	Evaluation method used
Asp. Tox. 1, H304	Classification according to calculation procedure.
Aquatic Chronic 2, H411	Classification according to calculation procedure.

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

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.

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH044 Risk of explosion if heated under confinement.

Asp. Tox. — Aspiration hazard Aquatic Chronic — Hazardous to the aquatic environment - chronic Acute Tox. — Acute toxicity - oral Acute Tox. — Acute toxicity - dermal Acute Tox. — Acute toxicity - inhalation Aquatic Acute — Hazardous to the aquatic environment - acute STOT SE — Specific target organ toxicity - single exposure - narcotic effects

#### Key literature references and sources for data:

Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended.

Guidelines for the preparation of safety data sheets as amended (ECHA).

Guidelines on labelling and packaging according to the Regulation (EG) Nr. 1272/2008 (CLP) as amended (ECHA).

Safety data sheets for the constituent substances.

ECHA Homepage - Information about chemicals.

GESTIS Substance Database (Germany).

German Environment Agency "Rigoletto" information site on substances that are hazardous to water (Germany). EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164, (EU) 2019/1831, each as

amended.

National Lists of Occupational Exposure Limits for each country as amended.

Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.

### Any abbreviations and acronyms used in this document:

according, according to acc., acc. to ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road) Adsorbable organic halogen compounds AOX approx. approximately Art., Art. no. Article number ASTM ASTM International (American Society for Testing and Materials) ATE Acute Toxicity Estimate BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany) BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany) BCF **Bioconcentration factor** BSEF The International Bromine Council bw body weight **Chemical Abstracts Service** CAS



ആ Page 16 of 17 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 03.07.2023 / 0032 Replacing version dated / version: 02.09.2022 / 0031 Valid from: 03.07.2023 PDF print date: 04.07.2023 Pro-Line JetClean Diesel-System-Reiniger Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances CLP and mixtures) CMR carcinogenic, mutagenic, reproductive toxic DMEL Derived Minimum Effect Level DNEL Derived No Effect Level Dissolved organic carbon DOC dw dry weight for example (abbreviation of Latin 'exempli gratia'), for instance e.a. EbCx, EyCx, EbLx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass (algae, plants) EC European Community ECHA European Chemicals Agency ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect EEC European Economic Community EINECS European Inventory of Existing Commercial Chemical Substances ELINCS European List of Notified Chemical Substances EN European Norms EPA United States Environmental Protection Agency (United States of America)  $ErCx, E\mu Cx, ErLx (x = 10, 50)$ Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants) etc. et cetera EU European Union EVAL Ethylene-vinyl alcohol copolymer Fax. Fax number general aen. Globally Harmonized System of Classification and Labelling of Chemicals GHS GWP Global warming potential Adsorption coefficient of organic carbon in the soil Koc octanol-water partition coefficient Kow International Agency for Research on Cancer IARC International Air Transport Association IATA IBC (Code) International Bulk Chemical (Code) IMDG-code International Maritime Code for Dangerous Goods including, inclusive incl. IUCLID International Uniform Chemical Information Database IUPAC International Union for Pure Applied Chemistry LC50 Lethal Concentration to 50 % of a test population LD50 Lethal Dose to 50% of a test population (Median Lethal Dose) Log Koc Logarithm of adsorption coefficient of organic carbon in the soil Log Kow, Log Pow Logarithm of octanol-water partition coefficient LQ Limited Quantities MARPOL International Convention for the Prevention of Marine Pollution from Ships not applicable n.a. n.av. not available not checked n.c. no data available n.d.a. NIOSH National Institute for Occupational Safety and Health (USA) NI P No-longer-Polymer NOEC, NOEL No Observed Effect Concentration/Level OECD Organisation for Economic Co-operation and Development org. organic OSHA Occupational Safety and Health Administration (USA) PBT persistent, bioaccumulative and toxic PE Polyethylene PNEC Predicted No Effect Concentration parts per million ppm Polyvinylchloride **PVC** REACHRegistration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals) REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT. RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail) SVHC Substances of Very High Concern Telephone Tel. Total organic carbon TOC



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GB

 UN RTDG
 United Nations Recommendations on the Transport of Dangerous Goods

 VOC
 Volatile organic compounds

 vPvB
 very persistent and very bioaccumulative

 wwt
 wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge. No responsibility.

These statements were made by: Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90

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