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

Revision date / version: 22.02.2019 / 0019

Replacing version dated / version: 12.07.2018 / 0018

Valid from: 22.02.2019

PDF print date: 08.03.2019

Pro-Line JetClean Ansaugsystemreiniger Benzin 300 ml

Art.: 20985

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

1.1 Product identifier

Pro-Line JetClean Ansaugsystemreiniger Benzin 300 ml

Art.: 20985

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

No information available at present.

Cleaner

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, Germany Phone: (+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)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (CLP) Hazard class Hazard category Hazard statement

nazaru ciass	nazaru calegory	nazaru Statement
Flam. Liq.	2	H225-Highly flammable liquid and vapour.
STOT RE	2	H373-May cause damage to organs through prolonged
		or repeated exposure.
Eye Irrit.	2	H319-Causes serious eye irritation.
STOT SE	3	H335-May cause respiratory irritation.
Skin Irrit.	2	H315-Causes skin irritation.
Asp. Tox.	1	H304-May be fatal if swallowed and enters airways.
STOT SE	3	H336-May cause drowsiness or dizziness.

2.2 Label elements

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



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Danger

H225-Highly flammable liquid and vapour. H373-May cause damage to organs through prolonged or repeated exposure. H319-Causes serious eye irritation. H335-May cause respiratory irritation. H315-Causes skin irritation. H304-May be fatal if swallowed and enters airways. H336-May cause drowsiness or dizziness.

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 vapours. P271-Use only outdoors or in a well-ventilated area. P280-Wear protective gloves and eye protection / face protection.

P301+P310+P331-IF SWALLOWED: Immediately call a POISON CENTER / doctor. Do NOT induce vomiting. P312-Call a POISON CENTRE / doctor if you feel unwell.

P405-Store locked up.

P501-Dispose of contents / container to an approved waste disposal facility.

Xylene Acetone

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) 1907/2006 (< 0,1 %).

SECTION 3: Composition/information on ingredients

3.1 Substance

n.a. 3.2 Mixture

OIZ MIXTURE	
Acetone	Substance for which an EU exposure limit value applies.
Registration number (REACH)	01-2119471330-49-XXXX
Index	606-001-00-8
EINECS, ELINCS, NLP	200-662-2
CAS	67-64-1
content %	20-50
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 2, H225
	Eye Irrit. 2, H319
	STOT SE 3. H336

Xylene	Substance for which an EU exposure limit value applies.
Registration number (REACH)	01-2119488216-32-XXXX
Index	601-022-00-9
EINECS, ELINCS, NLP	215-535-7
CAS	1330-20-7
content %	20-<50



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Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 3, H226
	Asp. Tox. 1, H304
	Acute Tox. 4, H312
	Skin Irrit. 2, H315
	Eye Irrit. 2, H319
	Acute Tox. 4, H332
	STOT SE 3, H335
	STOT RE 2, H373

Benzyl alcohol	
	04 0440400000 20 VVVV
Registration number (REACH)	01-2119492630-38-XXXX
Index	603-057-00-5
EINECS, ELINCS, NLP	202-859-9
CAS	100-51-6
content %	1-<20
Classification according to Regulation (EC) 1272/2008 (CLP)	Acute Tox. 4, H302
	Eye Irrit. 2, H319
	Acute Tox. 4, H332

Fatty alcohol ethoxylate	
Registration number (REACH)	
Index	
EINECS, ELINCS, NLP	
CAS	78330-21-9
content %	0,1-<1
Classification according to Regulation (EC) 1272/2008 (CLP)	Eye Dam. 1, H318
	Aquatic Acute 1, H400 (M=1)
	Aguatic Chronic 3, H412

Impurities, test data and additional information may have been taken into account in classifying and labelling the product.

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.

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

Remove person from danger area.

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

Skin contact

Wash thoroughly using copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult 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

irritation of the respiratory tract

coughing

headaches

respiratory distress

Effects/damages the central nervous system

with long-term contact:



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Dermatitis (skin inflammation)

Product removes fat.

Ingestion: Nausea Lung damage Danger of aspiration

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

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

Cool container at risk with water.

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

Oxides of nitrogen

Toxic pyrolysis products.

Explosive vapour/air or gas/air mixtures.

In case of spreading near the ground, flashback to distance sources of ignition is possible.

5.3 Advice for firefighters

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

Protective respirator with independent air supply.

Full protection, if necessary.

Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove possible causes of ignition - do not smoke.

Ensure sufficient supply of air.

Avoid inhalation, and contact with eyes or skin.

Do not carry cleaning cloths soaked in product in trouser pockets.

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.

Prevent penetration into drains, cellars, working pits or other places in which accumulation could be hazardous.

6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent) and dispose of according to Section 13.

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



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7.1.1 General recommendations

Ensure good ventilation.

Keep away from sources of ignition - Do not smoke.

Take precautions against electrostatic charges.

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.

Not to be stored in gangways or stair wells.

Store product closed and only in original packing.

Observe special storage conditions.

Solvent resistant floor

Do not store with oxidizing agents.

Store in a well ventilated place.

Protect from direct sunlight and warming.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Chemical Name	Acetone		Content %:20-50
WEL-TWA: 500 ppm (1210 mg/m3) (WEL, EU)	WEL-STEL: 1500 ppm (3620 mg/m3) (WEL)	
Monitoring procedures:	-	Compur - KITA-102 SA (548 534)	
	-	Compur - KITA-102 SC (548 550)	
	-	Compur - KITA-102 SD (551 109)	
	-	Draeger - Acetone 40/a (5) (81 03 381)	
	-	Draeger - Acetone 100/b (CH 22 901)	
		MTA/MA-031/A96 (Determination of ketones (acetone, meth	nyl ethyl ketone, methyl
		isobutyl ketone) in air - Charcoal tube method / Gas chroma	tography) - 1996 - EU
	-	project BC/CEN/ENTR/000/2002-16 card 67-1 (2004)	
		MDHS 72 (Volatile organic compounds in air - Laboratory n	nethod using pumped solid
	-	sorbent tubes, thermal desorption and gas chromatography) - 1993
BMGV:		Other information:	

2	Curer intermediation	
Chemical Name Xylene		Content %:20- <50
WEL-TWA: 50 ppm (220 mg/m3) (WEL), 50 ppm	WEL-STEL: 100 ppm (441 mg/m3 (WEL), 100 ppm	
(221 mg/m3) (EU)	(442 mg/m3) (EU)	
Monitoring procedures:	- Compur - KITA-143 SA (550 325)	
	- Compur - KITA-143 SB (505 998)	
	 Draeger - Xylene 10/a (67 33 161) 	
	MTA/MA-030/A92 (Determination of aromatic hydrocarbons	(benzene, toluene,
	ethylbenzene, p-xylene, 1,2,4-trimethylbenzene) in air - Char	rcoal tube method / Gas
	- chromatography) - 1992 - EU project BC/CEN/ENTR/000/20	02-16 card 47-1 (2004)
BMGV: 650 mmol methyl hippuric acid/mol creatir	nine in urine, post shift (Xylene, o-, m- Other information: Sk	(WEL)
, p- or mixed isomers) (BMGV)		` ,

Acetone						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note



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	Environment - marine		PNEC	1,06	mg/l	Assesment
						factor 500
	Environment - freshwater		PNEC	10,6	mg/l	Assesment factor 50
	Environment - sediment, freshwater		PNEC	30,4	mg/l	
	Environment - sediment, marine		PNEC	3,04	mg/l	
	Environment - soil		PNEC	29,5	mg/kg dw	
	Environment - sewage treatment plant		PNEC	19,5	mg/l	
	Environment - sporadic (intermittent) release		PNEC	21	mg/l	Assesment factor 100
	Environment - sewage treatment plant		PNEC	100	mg/l	
Consumer	Human - oral	Long term, systemic effects	DNEL	62	mg/kg bw/day	Overall assesment factor 2
Consumer	Human - dermal	Long term, systemic effects	DNEL	62	mg/kg bw/day	Overall assesment factor 20
Consumer	Human - inhalation	Long term, systemic effects	DNEL	200	mg/m3	Overall assesment factor 5
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	186	mg/kg bw/day	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	2420	mg/m3	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	1210	mg/m3	

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - periodic release		PNEC	0,327	mg/l	
	Environment - sewage treatment plant		PNEC	6,58	mg/l	
	Environment - freshwater		PNEC	0,327	mg/l	
	Environment - marine		PNEC	0,327	mg/l	
	Environment - sediment, freshwater		PNEC	12,46	mg/kg dw	
	Environment - sediment, marine		PNEC	12,46	mg/kg dw	
	Environment - soil		PNEC	2,31	mg/kg dw	
Consumer	Human - inhalation	Short term, local effects	DNEL	174	mg/m3	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	174	mg/m3	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	14,8	mg/m3	
Consumer	Human - dermal	Long term, systemic effects	DNEL	108	mg/kg bw/day	
Consumer	Human - oral	Long term, systemic effects	DNEL	1,6	mg/kg bw/day	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	289	mg/m3	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	289	mg/m3	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	77	mg/m3	



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Workers / employees	Human - dermal	Long term, systemic	DNEL	180	mg/kg	
		effects			bw/day	

Area of application	Exposure route /	Effect on health	Descriptor	Value	Unit	Note
	Environmental					
	compartment					
	Environment - soil		PNEC	0,456	mg/kg	
	Environment - sewage treatment plant		PNEC	39	mg/l	
	Environment - sediment		PNEC	5,27	mg/kg	
	Environment - sediment, marine		PNEC	0,527	mg/kg	
	Environment - marine		PNEC	0,1	mg/l	
	Environment - periodic release		PNEC	2,3	mg/l	
	Environment - freshwater		PNEC	1	mg/l	
Consumer	Human - dermal	Short term, systemic effects	DNEL	28,5	mg/kg bw/d	
Consumer	Human - dermal	Long term, systemic effects	DNEL	5,7	mg/kg bw/d	
Consumer	Human - oral	Short term, systemic effects	DNEL	25	mg/kg bw/d	
Consumer	Human - oral	Long term, systemic effects	DNEL	5	mg/kg bw/d	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	95,5	mg/m3	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	19,1	mg/m3	
Workers / employees	Human - dermal	Short term, systemic effects	DNEL	47	mg/kg bw/d	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	9,5	mg/kg bw/d	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	450	mg/m3	
Workers / employees	kers / employees Human - inhalation		DNEL	90	mg/m3	

Dimethyl glutarate						
Area of application	Exposure route / Environmental	•		Value	Unit	Note
	compartment					
	Human - inhalation		DNEL	8,3	mg/m3	
	Environment - sediment, marine		PNEC	0,015	mg/kg	
	Environment - sediment, freshwater		PNEC	0,15	mg/kg	
	Environment - marine		PNEC	0,0031	mg/l	
	Environment - freshwater		PNEC	0,031	mg/l	
	Environment - soil		PNEC	0,113	mg/kg	
	Environment - sporadic (intermittent) release		PNEC	0,31	mg/l	

Dimethyl adipate										
Area of application	Exposure route /	Effect on health	Descriptor	Value	Unit	Note				
	Environmental									
	compartment									
	Environment - marine		PNEC	0,0018	mg/l					
	Environment - soil		PNEC	0,09	mg/kg					



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	Environment - sediment,		PNEC	0,016	mg/kg	
	marine					
	Environment - sediment,		PNEC	0,16	mg/kg	
	freshwater					
	Environment - freshwater		PNEC	0,018	mg/l	
	Environment - sporadic		DNEL	0,18	mg/l	
	(intermittent) release					
Industrial	Human - inhalation	Long term	DNEL	8,3	mg/m3	
Consumer	Human - inhalation	Long term	DNEL	5	mg/m3	

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 (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). | 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.

8.2 Exposure controls

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. BS EN 14042.

BS 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:

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

Skin protection - Hand protection:

Solvent resistant protective gloves (EN 374).

If applicable

Protective Viton® / fluoroelastomer gloves (EN 374)

Safety gloves made of fluorocarbon rubber (EN 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.

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.

Filter A P2 (EN 14387), code colour brown, white

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

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: Light yellow Colour: Odour: Characteristic Odour threshold: Not determined pH-value: Not determined Melting point/freezing point: Not determined Initial boiling point and boiling range:

Not determined Flash point: -18 °C Evaporation rate: Not determined Flammability (solid, gas): Not determined

Lower explosive limit: 1 Vol-% (Xylene) 13 Vol-% (Acetone) Upper explosive limit: Vapour pressure: Not determined Vapour density (air = 1): Not determined 0,894 g/ml (15°C) Density: Bulk density: Not determined Solubility(ies): Not determined

Water solubility: Insoluble Partition coefficient (n-octanol/water): Not determined Auto-ignition temperature: Not determined Decomposition temperature: Not determined Viscosity: <7 mm2/s (40°C) Explosive properties: Not determined Oxidising properties: Not determined

9.2 Other information

Miscibility: Not determined Fat solubility / solvent: Not determined Conductivity: Not determined Surface tension: Not determined Solvents content: Not determined

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

No dangerous reactions are known.

10.4 Conditions to avoid

Heating, open flame, ignition sources

10.5 Incompatible materials

Avoid contact with oxidizing agents.



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10.6 Hazardous decomposition products

No decomposition when used as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

Pro-Line JetClean Ansaugsyste Art.: 20985	emreiniger Be	enzin 300 ml	,			
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.

Acetone						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	5800	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	>15800	mg/kg	Rat		
Acute toxicity, by inhalation:	LC50	~76	mg/l/4h	Rat		
Skin corrosion/irritation:				Guinea pig		Slightly irritant, Repeated exposure may cause skin dryness or cracking.
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Irritant
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Not sensitizising
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Germ cell mutagenicity:					OECD 473 (In Vitro Mammalian Chromosome Aberration Test)	Negative
Germ cell mutagenicity:					OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative



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Symptoms:		unconsciousness , vomiting, headaches, gastrointestinal disturbances, fatigue, mucous membrane irritation, dizziness,
		nausea, drowsiness

Xylene						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	3523	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	12126	mg/kg	Rabbit		Does not
						conform with EU
						classification.
Acute toxicity, by inhalation:	LD50	27,6	mg/l/4h	Rat		Does not
						conform with EU
						classification.,
						Vapours
Skin corrosion/irritation:						Irritant
Serious eye damage/irritation:						Irritant
Germ cell mutagenicity:						Negative
Carcinogenicity:						Negative
Reproductive toxicity:						Negative
Aspiration hazard:						Yes
Symptoms:						breathing
						difficulties,
						headaches,
						dizziness, Lung
						damage
Specific target organ toxicity -						Irritation of the
single exposure (STOT-SE),						respiratory tract
inhalative:						

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	1620	mg/kg	Rat		
Acute toxicity, by oral route:	LD50	1230	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rabbit		
Acute toxicity, by inhalation:	LC50	> 4,178	mg/l/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Aerosol
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Irritant, Classification according to Regulation (EC) 1272/2008 (CLP)
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Not sensitizising
Germ cell mutagenicity:					OECD 474 (Mammalian Erythrocyte Micronucleus Test)	Negative
Reproductive toxicity:	NOAEC	1072	mg/m3	Rat	,	
Specific target organ toxicity - repeated exposure (STOT-RE):	NOAEC	1072	mg/kg	Rat		
Specific target organ toxicity - repeated exposure (STOT-RE):	NOAEL	200	mg/kg	Mouse		



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Symptoms:			headaches,
			fatigue,
			dizziness,
			nausea and
			vomiting.

Fatty alcohol ethoxylate								
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes		
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rat				

SECTION 12: Ecological information

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

Pro-Line JetClean Ansaugsystemreiniger Benzin 300 ml Toxicity / effect Time **Endpoint** Value Unit Organism Test method Notes 12.1. Toxicity to fish: n.d.a. 12.1. Toxicity to daphnia: n.d.a. 12.1. Toxicity to algae: n.d.a. 12.2. Persistence and n.d.a. degradability: 12.3. Bioaccumulative n.d.a. potential: 12.4. Mobility in soil: n.d.a. 12.5. Results of PBT n.d.a. and vPvB assessment 12.6. Other adverse n.d.a. effects:

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to daphnia:	NOEC/NOEL	28d	2212	mg/l	Daphnia pulex		
Toxicity to bacteria:	EC10	30min	1000	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
12.2. Persistence and degradability:		28d	91	%		OECD 301 A (Ready Biodegradability - DOC Die-Away Test)	Readily biodegradable
12.1. Toxicity to fish:	LC50	96h	5540	mg/l	Oncorhynchus mykiss	,	
12.1. Toxicity to fish:	LC50	96h	7500	mg/l	Leuciscus idus		
12.1. Toxicity to daphnia:	EC50	48h	6100- 12700	mg/l	Daphnia magna		
12.1. Toxicity to algae:	EC50	48h	4740	mg/l	Pseudokirchneriell a subcapitata		
12.1. Toxicity to algae:	NOEC/NOEL	48h	3400	mg/l	Pseudokirchneriell a subcapitata		
12.3. Bioaccumulative potential:	Log Pow		-0,24				
12.3. Bioaccumulative potential:	BCF		0,19				
12.4. Mobility in soil:							No adsorption in soil.
12.5. Results of PBT							No PBT
and vPvB assessment							substance, No vPvB substance



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Toxicity to bacteria:	BOD/COD	16h	1700	mg/l	Pseudomonas putida	
Other information:	BOD5		1760- 1900	mg/g		
Other information:	COD		2100	mg/g		
Other information:	AOX		0	%		

Xylene							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.2. Persistence and							Readily
degradability:							biodegradable
12.3. Bioaccumulative	Log Kow		3,16				
potential:							
12.4. Mobility in soil:	H (Henry)		665	Pa*m3/m			
•	, , ,			ol			

Benzyl alcohol							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	460	mg/l	Pimephales promelas		
12.1. Toxicity to daphnia:	EC50	48h	230	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	51	mg/l	Daphnia magna	OECD 211 (Daphnia magna Reproduction Test)	
12.1. Toxicity to algae:	EC50	72h	770	mg/l	Pseudokirchneriell a subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	NOEC/NOEL	72h	310	mg/l	Pseudokirchneriell a subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:		21d	95-97	%		OECD 301 A (Ready Biodegradability - DOC Die-Away Test)	Readily biodegradable
12.2. Persistence and degradability:		28d	92-96	%		OECD 301 C (Ready Biodegradability - Modified MITI Test (I))	Readily biodegradable
12.3. Bioaccumulative potential:	Log Pow		1,1				A notable biological accumulation potential is not to be expected (LogPow 1-3).
Toxicity to bacteria:	EC10	16h	658	mg/l	Pseudomonas putida		

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

Soaked polluted cloths, paper or other organic materials represent a fire hazard and should be controlled, collected and disposed of. EC disposal code no.:

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



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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.

Residues may present a risk of explosion.

SECTION 14: Transport information

General statements

14.1. UN number: 1993

Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name:
UN 1993 FLAMMABLE LIQUID, N.O.S. (XYLENES, ACETONE)

14.3. Transport hazard class(es):
14.4. Packing group:
II
Classification code:
LO:
1 L

14.5. Environmental hazards:

Not applicable

Tunnel restriction code: D/E

Transport by sea (IMDG-code)

14.2. UN proper shipping name:

FLAMMABLE LIQUID, N.O.S. (XYLENES,ACETONE)

14.3. Transport hazard class(es):

14.4. Packing group:

II

EmS:

Marine Pollutant:

n.a

14.5. Environmental hazards: Not applicable

Transport by air (IATA)

14.2. UN proper shipping name:

Flammable liquid, n.o.s. (XYLENES,ACETONE)

14.3. Transport hazard class(es):

3

14.4. Packing group:

14.5. Environmental hazards:

Not applicable

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.

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

Freighted as packaged goods rather than in bulk, therefore not applicable.

Minimum amount regulations have not been taken into account.

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 national regulations/laws governing the protection of young people at work (national implementation of the Directive 94/33/EC)! Comply with national regulations/laws governing maternity protection (national implementation of the Directive 92/85/EEC)!









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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.):

according to Storage, nandling etc	<i>)</i> .		
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
P5c		5000	50000

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 2012/18/EU ("Seveso III"), Annex I, Part 2 - This product contains the substances listed below:

Entry Nr	Dangerous substances	Notes to Annex I	Qualifying quantity	Qualifying quantity
			(tonnes) for the	(tonnes) for the
			application of - Lower-tier	application of - Upper-tier
			requirements	requirements
22	Methanol		500	5000

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):

~ 90 %

REGULATION (EC) No 648/2004

30 % and more aromatic hydrocarbons

BENZYL ALCOHOL

Observe incident regulations.

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections:

2, 3, 8, 11, 12, 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.

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
Flam. Liq. 2, H225	Classification based on test data.
STOT RE 2, H373	Classification according to calculation procedure.
Eye Irrit. 2, H319	Classification according to calculation procedure.
STOT SE 3, H335	Classification according to calculation procedure.
Skin Irrit. 2, H315	Classification according to calculation procedure.
Asp. Tox. 1, H304	Classification according to calculation procedure.
STOT SE 3, H336	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).

H225 Highly flammable liquid and vapour.



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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.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

Flam. Liq. — Flammable liquid STOT RE — Specific target organ toxicity - repeated exposure

Eye Irrit. — Eye irritation

STOT SE — Specific target organ toxicity - single exposure - respiratory tract irritation

Skin Irrit. — Skin irritation

Asp. Tox. — Aspiration hazard

STOT SE — Specific target organ toxicity - single exposure - narcotic effects

Acute Tox. — Acute toxicity - dermal Acute Tox. — Acute toxicity - inhalation Acute Tox. — Acute toxicity - oral

Eye Dam. — Serious eye damage Aquatic Acute — Hazardous to the aquatic environment - acute Aquatic Chronic — Hazardous to the aquatic environment - chronic

Any abbreviations and acronyms used in this document:

AC **Article Categories**

according, according to acc., acc. to

ACGIH American Conference of Governmental Industrial Hygienists

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the

International Carriage of Dangerous Goods by Road)

AOEL Acceptable Operator Exposure Level AOX Adsorbable organic halogen compounds

approx. approximately

Art., Art. no. Article number

Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP) ATE

Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany) BAM

Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany) BAuA

Bioconcentration factor BCF

BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)

BHT Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol)

BMGV Biological monitoring guidance value (EH40, UK)

Biochemical oxygen demand BOD

BSEF Bromine Science and Environmental Forum

bw body weight

CAS Chemical Abstracts Service

Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids CEC

CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques

CIPAC Collaborative International Pesticides Analytical Council

Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances

and mixtures)

CMR carcinogenic, mutagenic, reproductive toxic

COD Chemical oxygen demand

CTFA Cosmetic, Toiletry, and Fragrance Association

DMEL Derived Minimum Effect Level

DNEL Derived No Effect Level DOC Dissolved organic carbon

Dwell Time - 50% reduction of start concentration



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DVS Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)

dw dry weight

e.g. for example (abbreviation of Latin 'exempli gratia'), for instance

EC European Community
ECHA European Chemicals Agency
EEA European Economic Area
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)

ERC Environmental Release Categories

ES Exposure scenario etc. et cetera EU European Union

EWC European Waste Catalogue

Fax. Fax number gen. general

GHS Globally Harmonized System of Classification and Labelling of Chemicals

GWP Global warming potential

HET-CAM Hen's Egg Test - Chorionallantoic Membrane

HGWP Halocarbon Global Warming Potential
IARC International Agency for Research on Cancer
IATA International Air Transport Association
IBC Intermediate Bulk Container

IBC (Code) International Bulk Chemical (Code)

IC Inhibitory concentration

IMDG-code International Maritime Code for Dangerous Goods

incl. including, inclusive

IUCLID International Uniform ChemicaL Information Database

LC lethal concentration

LC50 lethal concentration 50 percent kill LCLo lowest published lethal concentration

LD Lethal Dose of a chemical LD50 Lethal Dose, 50% kill LDLo Lethal Dose Low

LOAEL Lowest Observed Adverse Effect Level LOEC Lowest Observed Effect Concentration LOEL Lowest Observed Effect Level

LQ Limited Quantities

MARPOL International Convention for the Prevention of Marine Pollution from Ships

n.a. not applicablen.av. not availablen.c. not checkedn.d.a. no data available

NIOSH National Institute of Occupational Safety and Health (United States of America)

NOAECNo Observed Adverse Effective Concentration

NOAEL No Observed Adverse Effect Level NOEC No Observed Effect Concentration NOEL No Observed Effect Level

ODP Ozone Depletion Potential

OECD Organisation for Economic Co-operation and Development

org. organic

PAH polycyclic aromatic hydrocarbon PBT persistent, bioaccumulative and toxic

PC Chemical product category

PE Polyethylene

PNEC Predicted No Effect Concentration
POCP Photochemical ozone creation potential

ppm parts per million PROC Process category PTFE Polytetrafluorethylene



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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)

SADT Self-Accelerating Decomposition Temperature

SAR Structure Activity Relationship

SU Sector of use

SVHC Substances of Very High Concern

Tel. Telephone

ThOD Theoretical oxygen demand

TOC Total organic carbon

TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)

UN RTDG United Nations Recommendations on the Transport of Dangerous Goods

VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))

VOC Volatile organic compounds

vPvB very persistent and very bioaccumulative

WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average)

reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).

WHO World Health Organization

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:

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