

**138 Intake System Cleaner 400 ml AB**

Print date: 28.06.2019

Product code: 1103665

Page 1 of 13

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

138 Intake System Cleaner 400 ml AB

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

Cleaner

**1.3. Details of the supplier of the safety data sheet**

Company name:	TUNAP GmbH & Co. KG	
Street:	Bürgermeister-Seidl-Str. 2	
Place:	D-82515 Wolfratshausen	
Telephone:	+49 (0) 8171/1600 - 0	Telefax: +49 (0) 8171/1600 - 40
e-mail:	sdb@tunap.com	
Internet:	www.tunap.com	

**1.4. Emergency telephone number:** +49 (0) 30 30 686 790 (Giftnotruf Berlin)**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Aerosol: Aerosol 1

Acute toxicity: Acute Tox. 4

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Specific target organ toxicity - single exposure: STOT SE 3

Specific target organ toxicity - repeated exposure: STOT RE 2

Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

Harmful if inhaled.

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**

Acetone

4-hydroxy-4-methylpentan-2-one, diacetone alcohol

xylene

ethylbenzene

**Signal word:** Danger**Pictograms:**

**138 Intake System Cleaner 400 ml AB**

Print date: 28.06.2019

Product code: 1103665

Page 2 of 13

**Hazard statements**

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
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.

**Precautionary statements**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P260	Do not breathe Aerosol.
P280	Wear eye protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

**2.3. Other hazards**

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.  
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

**138 Intake System Cleaner 400 ml AB**

Print date: 28.06.2019

Product code: 1103665

Page 3 of 13

**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
67-64-1	Acetone			25 - < 50 %
	200-662-2	606-001-00-8		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
123-42-2	4-hydroxy-4-methylpentan-2-one, diacetone alcohol			25 - < 50 %
	204-626-7		01-2119473975-21	
	Eye Irrit. 2, STOT SE 3; H319 H335			
1330-20-7	xylene			20 - < 25 %
	215-535-7	601-022-00-9		
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1; H226 H332 H312 H315 H319 H335 H373 H304			
124-38-9	carbon dioxide			5 - < 10 %
	204-696-9			
100-41-4	ethylbenzene			5 - < 10 %
	202-849-4	601-023-00-4		
	Flam. Liq. 2, Acute Tox. 4, STOT RE 2, Asp. Tox. 1; H225 H332 H373 H304			
108-88-3	toluene			0.1 - < 1 %
	203-625-9	601-021-00-3		
	Flam. Liq. 2, Repr. 2, Asp. Tox. 1, STOT RE 2, Skin Irrit. 2, STOT SE 3; H225 H361d *** H304 H373 ** H315 H336			

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

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

First aider: Pay attention to self-protection! Remove persons to safety. Never give anything by mouth to an unconscious person or a person with cramps.

**After inhalation**

Remove person to fresh air and keep comfortable for breathing. In all cases of doubt, or when symptoms persist, seek medical advice.

**After contact with skin**

Wash with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. In all cases of doubt, or when symptoms persist, seek medical advice.

**After contact with eyes**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.

**After ingestion**

Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Call a physician in any case!

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

Headache, nausea, dizziness, fatigue, skin irritation

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

Treat symptomatically. Call a POISON CENTER. Symptoms can occur only after several hours.

**138 Intake System Cleaner 400 ml AB**

Print date: 28.06.2019

Product code: 1103665

Page 4 of 13

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Water fog. Foam. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder.

**Unsuitable extinguishing media**

Full water jet

**5.2. Special hazards arising from the substance or mixture**

Incomplete combustion and thermolysis gases of different toxicity can occur. In the case of hydrocarbonaceous products such as CO, CO<sub>2</sub>, aldehydes and soot. These can be very dangerous if they are inhaled in high concentrations or in enclosed spaces.

**5.3. Advice for firefighters**

In case of fire and/or explosion do not breathe fumes. Move undamaged containers from immediate hazard area if it can be done safely. In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Danger of bursting container.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Remove all sources of ignition. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Wear personal protection equipment.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Ensure all waste water is collected and treated via a waste water treatment plant.

**6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Clean contaminated articles and floor according to the environmental legislation.

**6.4. Reference to other sections**

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Observe instructions for use.  
Dust must be exhausted directly at the point of origin. Vapours/aerosols must be exhausted directly at the point of origin. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.  
When using do not eat, drink, smoke, sniff.  
Wear personal protection equipment (refer to section 8).  
In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking. Heating causes rise in pressure with risk of bursting.

**Further information on handling**

Avoid contact with skin and eyes.

**7.2. Conditions for safe storage, including any incompatibilities**



### 138 Intake System Cleaner 400 ml AB

Print date: 28.06.2019

Product code: 1103665

Page 5 of 13

#### Requirements for storage rooms and vessels

Keep container tightly closed. Observe legal regulations and provisions.

#### Hints on joint storage

Do not store together with: Oxidizing agents. Pyrophoric or self-heating substances. Food and feedingstuffs.

#### Further information on storage conditions

Protect from frost. Protect against direct sunlight. Store in a cool dry place. Observe legal regulations and provisions.

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

No information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
123-42-2	4-Hydroxy-4-methyl-pentan-2-one	50	241		TWA (8 h)	WEL
		75	362		STEL (15 min)	WEL
67-64-1	Acetone	500	1210		TWA (8 h)	WEL
		1500	3620		STEL (15 min)	WEL
124-38-9	Carbon dioxide	5000	9150		TWA (8 h)	WEL
		15000	27400		STEL (15 min)	WEL
100-41-4	Ethylbenzene	100	441		TWA (8 h)	WEL
		125	552		STEL (15 min)	WEL
108-88-3	Toluene	50	191		TWA (8 h)	WEL
		100	384		STEL (15 min)	WEL
1330-20-7	Xylene: mixed isomers	50	220		TWA (8 h)	WEL
		100	441		STEL (15 min)	WEL

##### Biological Monitoring Guidance Values (EH40)

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

##### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
123-42-2	4-hydroxy-4-methylpentan-2-one, diacetone alcohol			
	Worker DNEL, long-term	inhalation	systemic	59,2 mg/m <sup>3</sup>
	Worker DNEL, acute	inhalation	local	240 mg/m <sup>3</sup>
	Worker DNEL, long-term	dermal	systemic	840 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	10,4 mg/m <sup>3</sup>
	Consumer DNEL, long-term	dermal	systemic	60 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	3 mg/kg bw/day

**138 Intake System Cleaner 400 ml AB**

Print date: 28.06.2019

Product code: 1103665

Page 6 of 13

**PNEC values**

CAS No	Substance	
	Environmental compartment	Value
123-42-2	4-hydroxy-4-methylpentan-2-one, diacetone alcohol	
	Freshwater	2 mg/l
	Freshwater (intermittent releases)	1 mg/l
	Marine water	0,2 mg/l
	Freshwater sediment	9,06 mg/kg
	Marine sediment	0,91 mg/kg
	Micro-organisms in sewage treatment plants (STP)	10 mg/l
	Soil	0,63 mg/kg

**Additional advice on limit values**

- a no restriction
- b End of exposure or end of shift
- c at long term exposure: after several previous shifts
- d before next shift

- blood (B)
- Urine (U)

**8.2. Exposure controls****Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used.

**Protective and hygiene measures**

Avoid exposure. Wear suitable protective clothing. Draw up and observe skin protection programme.

**Eye/face protection**

Suitable eye protection: Tightly sealed safety glasses.  
DIN EN 166

**Hand protection**

Protect skin by using skin protective cream. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Suitable material: NBR (Nitrile rubber) Breakthrough time (maximum wearing time) 480min  
Thickness of the glove material 0,45 mm  
DIN EN 374

**Skin protection**

Wear suitable protective clothing. Take off immediately all contaminated clothing and wash it before reuse.

**Respiratory protection**

Wear breathing apparatus if exposed to vapours/dusts/aerosols.  
When exceeding the relevant workplace exposure limits, note the following:  
Suitable respiratory protective equipment: Combination filter device (DIN EN 141)..  
Filtering device with filter or ventilator filtering device of type: A  
Observe the wear time limits as specified by the manufacturer.  
Observe legal regulations and provisions.

**Environmental exposure controls**

Observe legal regulations and provisions.



according to Regulation (EC) No 1907/2006

**138 Intake System Cleaner 400 ml AB**

Print date: 28.06.2019

Product code: 1103665

Page 7 of 13

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state: Aerosol  
 Colour: colourless  
 Odour: characteristic

**Test method**

pH-Value (at 20 °C): not determined DIN 19268

**Changes in the physical state**

Melting point: not determined  
 Initial boiling point and boiling range: -78 °C  
 Sublimation point: not determined  
 Softening point: not determined  
 Pour point: not determined  
 Flash point: -80 °C  
 Sustaining combustion: No data available

**Flammability**

Solid: not applicable  
 Gas: not applicable

Lower explosion limits: 0,9  
 Upper explosion limits: 14,3  
 Ignition temperature: >200 °C

**Auto-ignition temperature**

Solid: not applicable  
 Gas: not applicable

Decomposition temperature: not determined

**Oxidizing properties**

Not oxidising.

Vapour pressure: not determined

Density (at 20 °C): 0,85 g/cm<sup>3</sup> DIN 51757

Water solubility: The study does not need to be conducted because the substance is known to be insoluble in water.

**Solubility in other solvents**

not determined

Partition coefficient: not determined

Vapour density: not determined

Evaporation rate: not determined

**9.2. Other information**

Solid content: not determined

Data apply to technical substance: Relative density, Colour, Odour, Viscosity, pH.

**SECTION 10: Stability and reactivity**

**138 Intake System Cleaner 400 ml AB**

Print date: 28.06.2019

Product code: 1103665

Page 8 of 13

**10.1. Reactivity**

Extremely flammable aerosol.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

Do not expose to temperatures above 50 °C. Heating causes rise in pressure with risk of bursting.

**10.4. Conditions to avoid**

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

**10.5. Incompatible materials**

Oxidizing agents. Pyrophoric or self-heating substances.

**10.6. Hazardous decomposition products**Incomplete combustion and thermolysis gases of different toxicity can occur. In the case of hydrocarbonaceous products such as CO, CO<sub>2</sub>, aldehydes and soot. These can be very dangerous if they are inhaled in high concentrations or in enclosed spaces.**Further information**

Do not mix with other chemicals.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

There are no data available on the mixture itself.

**Acute toxicity**

Harmful if inhaled.





according to Regulation (EC) No 1907/2006

**138 Intake System Cleaner 400 ml AB**

Print date: 28.06.2019

Product code: 1103665

Page 9 of 13

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
67-64-1	Acetone			
	oral	LD50 5800 mg/kg	Rat	RTECS
	dermal	LD50 20000 mg/kg	Rabbit	IUCLID
	inhalation (4 h) vapour	LC50 76 mg/l	Rat	
123-42-2	4-hydroxy-4-methylpentan-2-one, diacetone alcohol			
	oral	LD50 3002 mg/kg	Rat	Study report (1978)
	dermal	LD50 13630 mg/kg	Rabbit	
1330-20-7	xylene			
	oral	LD50 4300 mg/kg	Rat	
	dermal	LD50 1700 mg/kg	Rabbit	
	inhalation (4 h) vapour	LC50 21,7 mg/l	Rat	
	inhalation aerosol	ATE 1,5 mg/l		
100-41-4	ethylbenzene			
	oral	LD50 3500 mg/kg	Rat	GESTIS
	dermal	LD50 15400 mg/kg	Rabbit	GESTIS
	inhalation (4 h) vapour	LC50 17,2 mg/l	Rat	
	inhalation aerosol	ATE 1,5 mg/l		
108-88-3	toluene			
	dermal	LD50 12200 mg/kg	Rabbit	GESTIS
	inhalation (4 h) vapour	LC50 49 mg/l	Rat	GESTIS

**Irritation and corrosivity**

Causes skin irritation.

Causes serious eye irritation.

**Sensitising effects**

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

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

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

No indication of human carcinogenicity.

No indications of human germ cell mutagenicity exist.

No indications of human reproductive toxicity exist.

**STOT-single exposure**

May cause respiratory irritation. (4-hydroxy-4-methylpentan-2-one, diacetone alcohol; xylene)

May cause drowsiness or dizziness. (Acetone)

**STOT-repeated exposure**

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

**Aspiration hazard**

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

**Specific effects in experiment on an animal**

No information available.

**Additional information on tests**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].



according to Regulation (EC) No 1907/2006

**138 Intake System Cleaner 400 ml AB**

Print date: 28.06.2019

Product code: 1103665

Page 10 of 13

**SECTION 12: Ecological information****12.1. Toxicity**

The product is not: Ecotoxic.

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h]   [d]	Species	Source
67-64-1	Acetone				
	Acute fish toxicity	LC50 5540 mg/l	96 h	Onchorhynchus mykiss	
	Acute crustacea toxicity	EC50 6100 mg/l	48 h	Daphnia magna	
123-42-2	4-hydroxy-4-methylpentan-2-one, diacetone alcohol				
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Oryzias latipes	Study report (1997)
	Acute algae toxicity	ErC50 > 1000 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (1997)
	Acute crustacea toxicity	EC50 > 1000 mg/l	48 h	Daphnia magna	Study report (1997)
	Algae toxicity	NOEC 1000 mg/l	3 d	Pseudokirchneriella subcapitata	
	Crustacea toxicity	NOEC 100 mg/l	14 d	Daphnia magna	Study report (1997)
	Acute bacteria toxicity	(> 1000 mg/l)	3 h	activated sludge, domestic	Study report (2012)
1330-20-7	xylene				
	Acute fish toxicity	LC50 4,2 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute algae toxicity	ErC50 > 100 mg/l		Selenastrum capricornutum	
	Acute crustacea toxicity	EC50 1,8 - 2,9 mg/l	48 h	Daphnia magna	
100-41-4	ethylbenzene				
	Acute algae toxicity	ErC50 3,6 mg/l	96 h		GESTIS
108-88-3	toluene				
	Acute fish toxicity	LC50 13 mg/l	96 h	Carassius auratus	IUCLID
	Acute algae toxicity	ErC50 12,5 mg/l	72 h		GESTIS

**12.2. Persistence and degradability**

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
123-42-2	4-hydroxy-4-methylpentan-2-one, diacetone alcohol			
	OECD 301 A	98,51%	28	
	Easily biodegradable (concerning to the criteria of the OECD)			

**12.3. Bioaccumulative potential**

The product has not been tested.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
67-64-1	Acetone	-0,24
123-42-2	4-hydroxy-4-methylpentan-2-one, diacetone alcohol	1,9
100-41-4	ethylbenzene	3,15
108-88-3	toluene	2,73



### 138 Intake System Cleaner 400 ml AB

Print date: 28.06.2019

Product code: 1103665

Page 11 of 13

#### 12.4. Mobility in soil

The product has not been tested.

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

The product has not been tested.

#### 12.6. Other adverse effects

No information available.

#### Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Advice on disposal

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

##### Waste disposal number of waste from residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

##### Waste disposal number of used product

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

##### Waste disposal number of contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

##### Contaminated packaging

This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

<b><u>14.1. UN number:</u></b>	UN 1950
<b><u>14.2. UN proper shipping name:</u></b>	AEROSOLS
<b><u>14.3. Transport hazard class(es):</u></b>	2
<b><u>14.4. Packing group:</u></b>	-
Hazard label:	2.1
Classification code:	5F
Special Provisions:	190 327 344 625
Limited quantity:	1 L
Excepted quantity:	E0
Transport category:	2
Tunnel restriction code:	D

#### Inland waterways transport (ADN)

<b><u>14.1. UN number:</u></b>	UN 1950
<b><u>14.2. UN proper shipping name:</u></b>	AEROSOLS
<b><u>14.3. Transport hazard class(es):</u></b>	2
<b><u>14.4. Packing group:</u></b>	-



### 138 Intake System Cleaner 400 ml AB

Print date: 28.06.2019

Product code: 1103665

Page 12 of 13

Hazard label: 2.1  
 Classification code: 5F  
 Special Provisions: 190 327 344 625  
 Limited quantity: 1 L  
 Excepted quantity: E0

#### Marine transport (IMDG)

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
 Hazard label: 2.1  
 Marine pollutant: no  
 Special Provisions: 63, 190, 277, 327, 344, 381,959  
 Limited quantity: 1000 mL  
 Excepted quantity: E0  
 EmS: F-D, S-U

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

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS, flammable  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
 Hazard label: 2.1  
 Special Provisions: A145 A167 A802  
 Limited quantity Passenger: 30 kg G  
 Passenger LQ: Y203  
 Excepted quantity: E0  
 IATA-packing instructions - Passenger: 203  
 IATA-max. quantity - Passenger: 75 kg  
 IATA-packing instructions - Cargo: 203  
 IATA-max. quantity - Cargo: 150 kg

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### 14.6. Special precautions for user

Warning: Flammable gases.

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

not applicable

## SECTION 15: Regulatory information

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

#### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 48: toluene

2010/75/EU (VOC): No information available.

2004/42/EC (VOC): No information available.

Information according to 2012/18/EU (SEVESO III): P3b FLAMMABLE AEROSOLS

#### Additional information



according to Regulation (EC) No 1907/2006

**138 Intake System Cleaner 400 ml AB**

Print date: 28.06.2019

Product code: 1103665

Page 13 of 13

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Aerosol directive (75/324/EEC)

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

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

**SECTION 16: Other information****Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road )

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

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

H222 Extremely flammable aerosol.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H229 Pressurised container: May burst if heated.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H361d Suspected of damaging the unborn child.

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

EUH066 Repeated exposure may cause skin dryness or cracking.

**Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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