Safety Data Sheet Wynn's according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

MSDS Version: E03.04

Date of issue: 28/06/2017

Blend Version: 3

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

Product identifier 1.1.

Product form Product name Product code

: Mixtures

: Air Intake & Carburettor Cleaner (Aerosol)

: W54179

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

1.2.1. **Relevant identified uses**

Use of the substance/mixture

: Cleaning product Maintenance product

1.2.2. Uses advised against

No additional information available

Details of the supplier of the safety data sheet 1.3.

Wynn's Belgium Industriepark-West 46 9100 Sint-Niklaas - Belgium T +32 3 766 60 20 - F +32 3 778 16 56 msds@wynns.eu - www.wynns.com

1.4. **Emergency telephone number**

Emergency number

: BIG: +32(0)14/58.45.45 (NL FR EN DE)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol 1	H222;H229
Acute Tox. 4 (Dermal)	H312
Acute Tox. 4 (Inhalation:gas)	H332
Skin Irrit. 2	H315
Eye Irrit. 2	H319

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)

	GHS02 GHS07	
Signal word (CLP)	: Danger	
Hazardous ingredients	: xylene	
Hazard statements (CLP)	 H222 - Extremely flammable aerosol H229 - Pressurised container: May burst if heated H312+H332 - Harmful in contact with skin or if inhaled H315 - Causes skin irritation H319 - Causes serious eye irritation 	
Precautionary statements (CLP)	 P261 - Avoid breathing vapours, spray P280 - Wear protective gloves, protective clothing, eye protection P271 - Use only outdoors or in a well-ventilated area P102 - Keep out of reach of children P210 - Keep away from heat, hot surfaces, sparks, open flames and other igniti sources. No smoking P211 - Do not spray on an open flame or other ignition source P251 - Do not pierce or burn, even after use 	ion
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P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Detergent Regulation : Labelling of contents: (Regulation (EC) No. 648/2004 of 31 March 2004 on detergents	5):
Component	%
aromatic hydrocarbons	>=30%

aromatic hydrocarbons

2.3. **Other hazards**

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. **Mixtures**

Name	Product identifier	% w	Classification according to Regulation (EC) No. 1272/2008 [CLP]
xylene	(CAS-No.) 1330-20-7 (EC-No.) 215-535-7 (EC Index-No.) 601-022-00-9 (REACH-no) 01-2119488216-32	25 - 50	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315
Propane	(CAS-No.) 74-98-6 (EC-No.) 200-827-9 (EC Index-No.) 601-003-00-5 (REACH-no) 01-2119486944-21	20 - 25	Flam. Gas 1, H220
Acetone	(CAS-No.) 67-64-1 (EC-No.) 200-662-2 (EC Index-No.) 606-001-00-8 (REACH-no) 01-2119471330-49	10 - 20	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
2-butoxyethanol	(CAS-No.) 111-76-2 (EC-No.) 203-905-0 (EC Index-No.) 603-014-00-0 (REACH-no) 01-2119475108-36	2,5 - 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. **Description of first aid measures**

First-aid measures general	: Check the vital functions. Keep victim at rest in half upright position. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Keep watching the victim. Give psychological aid. Prevent cooling by covering the victim (no warming up). Keep the victim calm, avoid physical strain. If necessary seek medical advice.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell. As it is a spray can packaging it is most unlikely that large quantities will be swallowed.
4.2. Most important symptoms	and effects, both acute and delayed
Symptoms/effects after inhalation	: Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. Nausea. May cause respiratory irritation.
Symptoms/effects after skin contact	: Repeated exposure may cause skin dryness or cracking. Harmful in contact with skin. Causes skin irritation. Swelling of the skin. Red skin.

Chronic symptoms

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

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No additional information available			
SECTION 5: Firefighting meas	ures		
5.1. Extinguishing media			
Suitable extinguishing media	: Water spray. AFFF foam. ABC-powder.		
Unsuitable extinguishing media	: Do not use a heavy water stream.		
5.2. Special hazards arising from	om the substance or mixture		
Fire hazard	: Extremely flammable aerosol. Heating may cause a fire or explosion.		
Explosion hazard	: No direct explosion hazard. Contains gas under pressure; may explode if heated. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.		
5.3. Advice for firefighters			
Firefighting instructions	: Cool closed containers exposed to fire with water spray. Fight fire from safe distance and protected location.		
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.		
SECTION 6: Accidental release	e measures		
	tective equipment and emergency procedures		
6.1.1. For non-emergency personne			
Protective equipment	 Wear suitable gloves and eye/face protection. Wear suitable respiratory equipment in case of insufficient ventilation. protective clothing. 		
Emergency procedures	: Mark the danger area. Stop engines and no smoking. Keep upwind. Prevent flow to low areas. No flames, no sparks. Eliminate all sources of ignition. Wash contaminated clothes.		
6.1.2. For emergency responders			
Emergency procedures	: Ventilate area.		
6.2. Environmental precaution	S		
Do not allow product to spread into the e	nvironment.		
6.3. Methods and material for	containment and cleaning up		
For containment	: Contain the spilled material by bunding. Collect spillage.		
Methods for cleaning up	: Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Clean preferably with a detergent - Avoid the use of solvents.		
Other information	: Dispose of materials or solid residues at an authorized site.		
6.4. Reference to other section	IS		
For further information refer to section 8	"Exposure controls/personal protection".		
SECTION 7: Handling and sto	rage		
7.1. Precautions for safe hand	ling		
Additional hazards when processed	: Pressurized container: Do not pierce or burn, even after use. Not expected to present a significant hazard under anticipated conditions of normal use.		
Precautions for safe handling	: Meet the legal requirements. Avoid contact with skin and eyes. Take precautionary measures against static discharge. Provide good ventilation in process area to prevent formation of vapour. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.		
Hygiene measures	: Use good personal hygiene practices. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse.		
7.2. Conditions for safe storage, including any incompatibilities			

Storage conditions: Keep in fireproof place. Protect from sunlight. Do not expose to temperatures
exceeding 50 °C/122 °F.Storage temperature: <= 45 °C</td>Heat and ignition sources: Keep away from heat, hot surfaces, sparks, open flames and other ignition
sources. No smoking.Information on mixed storage: Store seperately.Storage area: Meet the legal requirements. Fireproof storeroom. Ventilation along the floor.

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Special rules on packaging Packaging materials

: Meet the legal requirements. Labelling according to.

: Aerosol.

7.3. Specific end use(s)

See product bulletin for detailed information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Air Intake & Carbure	ttor Cleaner (Aerosol)	
EU	IOELV TWA (mg/m ³)	221 mg/m ³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m ³)	442 mg/m ³
EU	IOELV STEL (ppm)	100 ppm
EU	Notes	Xyleen
xylene (1330-20-7)		
EU	IOELV TWA (mg/m³)	221 mg/m ³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m ³)	442 mg/m ³
EU	IOELV STEL (ppm)	100 ppm
Belgium	Limit value (mg/m ³)	221 mg/m ³
Belgium	Limit value (ppm)	50 ppm
Belgium	Short time value (mg/m ³)	442 mg/m ³
Belgium	Short time value (ppm)	100 ppm
Belgium	Remark (BE)	D
United Kingdom	WEL STEL (ppm)	100 ppm
Propane (74-98-6)		
Belgium	Limit value (ppm)	1000 ppm
Acetone (67-64-1)		PP
EU	IOELV TWA (mg/m³)	1210 mg/m ³
EU	IOELV TWA (ng/m²)	500 ppm
Belgium	Limit value (mg/m ³)	1210 mg/m ³
Belgium	Limit value (ppm)	500 ppm
Belgium	Short time value (mg/m ³)	2420 mg/m ³
Belgium	Short time value (ppm)	1000 ppm
Netherlands	Grenswaarde TGG 8H (mg/m ³)	1210 mg/m ³
Netherlands	Grenswaarde TGG 8H (ppm)	510 ppm
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	2420 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (ppm)	1020 ppm
2-butoxyethanol (11		
EU	IOELV TWA (mg/m ³)	98 mg/m³
EU	IOELV TWA (ppm)	20 ppm
EU	IOELV STEL (mg/m ³)	246 mg/m ³
EU	IOELV STEL (ppm)	50 ppm
Belgium	Limit value (mg/m ³)	98 mg/m ³
Belgium	Limit value (ppm)	20 ppm
Belgium	Short time value (mg/m ³)	246 mg/m ³
Belgium	Short time value (ppm)	50 ppm
Belgium	Remark (BE)	D: de opname van het agens via de huid, de
-		slijmvliezen of de ogen vormt een belangrijk deel van de totale blootstelling. Deze opname kan het gevolg zijn van zowel direct contact als
		zijn aanwezigheid in de lucht.
Netherlands	Grenswaarde TGG 8H (mg/m ³)	100 mg/m ³
Netherlands	Grenswaarde TGG 8H (ppm)	20 ppm
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	246 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (ppm)	50 ppm
xylene (1330-20-7)		

DNEL/DMEL (Workers)

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xylene (1330-20-7)

xylene (1330-20-7)	
Acute - systemic effects, inhalation	289 mg/m ³
Acute - local effects, inhalation	289 mg/m³
Long-term - systemic effects, dermal	180 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	77 mg/m ³
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	174 mg/m³
Acute - local effects, inhalation	174 mg/m ³
Long-term - systemic effects, oral	1,6 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	14,8 mg/m ³
	-
Long-term - systemic effects, dermal	108 mg/kg bodyweight/day
Long-term - local effects, inhalation	174 mg/m³
PNEC (Water)	0.007 //
PNEC aqua (freshwater)	0,327 mg/l
PNEC aqua (marine water)	0,327 mg/l
PNEC aqua (intermittent, freshwater)	0,327 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	12,46 mg/kg dwt
PNEC sediment (marine water)	12,46 mg/kg dwt
PNEC (Soil)	
PNEC soil	2,31 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	6,58 mg/l
Acetone (67-64-1)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	2420 mg/m³
Long-term - systemic effects, dermal	186 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1210 mg/m ³
DNEL/DMEL (General population)	1210 119/11
Long-term - systemic effects,oral	62 mg/kg bodyweight/day
Long term systemic enects, or a	02 mg/kg bouyweight/uay
long-term - systemic effects inhalation	200 mg/m^3
Long-term - systemic effects, inhalation	200 mg/m ³ 62 mg/kg bodywoight/day
Long-term - systemic effects, dermal	200 mg/m³ 62 mg/kg bodyweight/day
Long-term - systemic effects, dermal PNEC (Water)	62 mg/kg bodyweight/day
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater)	62 mg/kg bodyweight/day 10,6 mg/l
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water)	62 mg/kg bodyweight/day 10,6 mg/l 1,06 mg/l
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater)	62 mg/kg bodyweight/day 10,6 mg/l
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) PNEC (Sediment)	62 mg/kg bodyweight/day 10,6 mg/l 1,06 mg/l 21 mg/l
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) PNEC (Sediment) PNEC sediment (freshwater)	62 mg/kg bodyweight/day 10,6 mg/l 1,06 mg/l 21 mg/l 30,4 mg/kg dwt
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) PNEC (Sediment) PNEC sediment (freshwater) PNEC sediment (marine water)	62 mg/kg bodyweight/day 10,6 mg/l 1,06 mg/l 21 mg/l
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) PNEC (Sediment) PNEC sediment (freshwater) PNEC sediment (marine water) PNEC (Soil)	62 mg/kg bodyweight/day 10,6 mg/l 1,06 mg/l 21 mg/l 30,4 mg/kg dwt 3,04 mg/kg dwt
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) PNEC (Sediment) PNEC sediment (freshwater) PNEC sediment (marine water) PNEC (Soil) PNEC soil	62 mg/kg bodyweight/day 10,6 mg/l 1,06 mg/l 21 mg/l 30,4 mg/kg dwt
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) PNEC (Sediment) PNEC (Sediment) PNEC sediment (freshwater) PNEC sediment (marine water) PNEC (Soil) PNEC soil PNEC (STP)	62 mg/kg bodyweight/day 10,6 mg/l 1,06 mg/l 21 mg/l 30,4 mg/kg dwt 3,04 mg/kg dwt 29,5 mg/kg dwt
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) PNEC (Sediment) PNEC sediment (freshwater) PNEC sediment (marine water) PNEC (Soil) PNEC soil	62 mg/kg bodyweight/day 10,6 mg/l 1,06 mg/l 21 mg/l 30,4 mg/kg dwt 3,04 mg/kg dwt
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) PNEC (Sediment) PNEC (Sediment) PNEC sediment (freshwater) PNEC sediment (marine water) PNEC (Soil) PNEC soil PNEC (STP)	62 mg/kg bodyweight/day 10,6 mg/l 1,06 mg/l 21 mg/l 30,4 mg/kg dwt 3,04 mg/kg dwt 29,5 mg/kg dwt
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) PNEC (Sediment) PNEC (Sediment (freshwater) PNEC sediment (marine water) PNEC (Soil) PNEC soil PNEC (STP) PNEC sewage treatment plant	62 mg/kg bodyweight/day 10,6 mg/l 1,06 mg/l 21 mg/l 30,4 mg/kg dwt 3,04 mg/kg dwt 29,5 mg/kg dwt
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) PNEC (Sediment) PNEC (Sediment (freshwater) PNEC sediment (marine water) PNEC soil PNEC (Soil) PNEC soil PNEC (STP) PNEC sewage treatment plant 2-butoxyethanol (111-76-2)	62 mg/kg bodyweight/day 10,6 mg/l 1,06 mg/l 21 mg/l 30,4 mg/kg dwt 3,04 mg/kg dwt 29,5 mg/kg dwt
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) PNEC (Sediment) PNEC (Sediment) PNEC sediment (freshwater) PNEC sediment (marine water) PNEC (Soil) PNEC soil PNEC soil PNEC (STP) PNEC sewage treatment plant 2-butoxyethanol (111-76-2) DNEL/DMEL (Workers)	62 mg/kg bodyweight/day 10,6 mg/l 1,06 mg/l 21 mg/l 30,4 mg/kg dwt 3,04 mg/kg dwt 29,5 mg/kg dwt 100 mg/l
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) PNEC (Sediment) PNEC (Sediment (freshwater) PNEC sediment (freshwater) PNEC sediment (marine water) PNEC (Soil) PNEC soil PNEC (STP) PNEC sewage treatment plant 2-butoxyethanol (111-76-2) DNEL/DMEL (Workers) Acute - systemic effects, dermal	62 mg/kg bodyweight/day 10,6 mg/l 1,06 mg/l 21 mg/l 30,4 mg/kg dwt 3,04 mg/kg dwt 29,5 mg/kg dwt 100 mg/l 89 mg/kg bodyweight/day
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) PNEC (Sediment) PNEC (Sediment (freshwater) PNEC sediment (freshwater) PNEC sediment (marine water) PNEC sediment (marine water) PNEC (Soil) PNEC soil PNEC (STP) PNEC sewage treatment plant 2-butoxyethanol (111-76-2) DNEL/DMEL (Workers) Acute - systemic effects, dermal Acute - systemic effects, inhalation	62 mg/kg bodyweight/day 10,6 mg/l 1,06 mg/l 21 mg/l 30,4 mg/kg dwt 3,04 mg/kg dwt 29,5 mg/kg dwt 100 mg/l 89 mg/kg bodyweight/day 1091 mg/m ³
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) PNEC (Sediment) PNEC (Sediment (freshwater) PNEC sediment (freshwater) PNEC sediment (marine water) PNEC sediment (marine water) PNEC (Soil) PNEC (Soil) PNEC (Soil) PNEC soil PNEC (STP) PNEC sewage treatment plant 2-butoxyethanol (111-76-2) DNEL/DMEL (Workers) Acute - systemic effects, dermal Acute - systemic effects, dermal	62 mg/kg bodyweight/day 10,6 mg/l 1,06 mg/l 21 mg/l 30,4 mg/kg dwt 3,04 mg/kg dwt 29,5 mg/kg dwt 100 mg/l 89 mg/kg bodyweight/day 1091 mg/m ³ 125 mg/kg bodyweight/day
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) PNEC (Sediment) PNEC (Sediment (freshwater) PNEC sediment (freshwater) PNEC sediment (marine water) PNEC soil PNEC (Soil) PNEC (Soil) PNEC soil PNEC (STP) PNEC sewage treatment plant 2-butoxyethanol (111-76-2) DNEL/DMEL (Workers) Acute - systemic effects, dermal Acute - systemic effects, dermal Long-term - systemic effects, inhalation	62 mg/kg bodyweight/day 10,6 mg/l 1,06 mg/l 21 mg/l 30,4 mg/kg dwt 3,04 mg/kg dwt 29,5 mg/kg dwt 100 mg/l 89 mg/kg bodyweight/day 1091 mg/m ³ 125 mg/kg bodyweight/day 98 mg/m ³
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) PNEC aqua (intermittent, freshwater) PNEC (Sediment) PNEC (Sediment (freshwater) PNEC sediment (marine water) PNEC sediment (marine water) PNEC soil PNEC (Soil) PNEC soil PNEC (STP) PNEC sewage treatment plant 2-butoxyethanol (111-76-2) DNEL/DMEL (Workers) Acute - systemic effects, dermal Acute - systemic effects, inhalation Long-term - systemic effects, inhalation Long-term - local effects, inhalation DNEL/DMEL (General population)	62 mg/kg bodyweight/day 10,6 mg/l 1,06 mg/l 21 mg/l 30,4 mg/kg dwt 3,04 mg/kg dwt 29,5 mg/kg dwt 100 mg/l 89 mg/kg bodyweight/day 1091 mg/m ³ 125 mg/kg bodyweight/day 98 mg/m ³ 246 mg/m ³
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) PNEC (Sediment) PNEC (Sediment (freshwater) PNEC sediment (freshwater) PNEC sediment (marine water) PNEC soil PNEC (Soil) PNEC (Soil) PNEC soil PNEC (STP) PNEC sewage treatment plant 2-butoxyethanol (111-76-2) DNEL/DMEL (Workers) Acute - systemic effects, dermal Acute - systemic effects, inhalation Long-term - systemic effects, inhalation Long-term - local effects, inhalation DNEL/DMEL (General population) Acute - systemic effects, dermal	62 mg/kg bodyweight/day 10,6 mg/l 1,06 mg/l 21 mg/l 30,4 mg/kg dwt 3,04 mg/kg dwt 29,5 mg/kg dwt 100 mg/l 89 mg/kg bodyweight/day 1091 mg/m ³ 125 mg/kg bodyweight/day 98 mg/m ³ 246 mg/m ³ 89 mg/kg bodyweight
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) PNEC (Sediment) PNEC (Sediment (freshwater) PNEC sediment (freshwater) PNEC sediment (marine water) PNEC soil PNEC (Soil) PNEC (Soil) PNEC soil PNEC (STP) PNEC sewage treatment plant 2-butoxyethanol (111-76-2) DNEL/DMEL (Workers) Acute - systemic effects, dermal Acute - systemic effects, inhalation Long-term - systemic effects, inhalation DNEL/DMEL (General population) Acute - systemic effects, dermal Acute - systemic effects, dermal Acute - systemic effects, inhalation	62 mg/kg bodyweight/day 10,6 mg/l 1,06 mg/l 21 mg/l 30,4 mg/kg dwt 3,04 mg/kg dwt 29,5 mg/kg dwt 100 mg/l 89 mg/kg bodyweight/day 1091 mg/m ³ 125 mg/kg bodyweight/day 98 mg/m ³ 246 mg/m ³ 89 mg/kg bodyweight 426 mg/m ³
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) PNEC (Sediment) PNEC (Sediment (freshwater) PNEC sediment (freshwater) PNEC sediment (marine water) PNEC soil PNEC (Soil) PNEC (Soil) PNEC soil PNEC (STP) PNEC sewage treatment plant 2-butoxyethanol (111-76-2) DNEL/DMEL (Workers) Acute - systemic effects, dermal Acute - systemic effects, inhalation Long-term - systemic effects, inhalation Long-term - local effects, inhalation DNEL/DMEL (General population) Acute - systemic effects, dermal Acute - systemic effects, inhalation	62 mg/kg bodyweight/day 10,6 mg/l 1,06 mg/l 21 mg/l 30,4 mg/kg dwt 3,04 mg/kg dwt 29,5 mg/kg dwt 100 mg/l 89 mg/kg bodyweight/day 1091 mg/m ³ 125 mg/kg bodyweight/day 98 mg/m ³ 246 mg/m ³ 89 mg/kg bodyweight 426 mg/m ³ 26,7 mg/kg bodyweight
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) PNEC aqua (intermittent, freshwater) PNEC (Sediment) PNEC (Sediment (freshwater) PNEC sediment (marine water) PNEC sediment (marine water) PNEC (Soil) PNEC soil PNEC (STP) PNEC sewage treatment plant 2-butoxyethanol (111-76-2) DNEL/DMEL (Workers) Acute - systemic effects, dermal Acute - systemic effects, inhalation Long-term - systemic effects, inhalation Long-term - local effects, inhalation DNEL/DMEL (General population) Acute - systemic effects, oral Acute - systemic effects, oral Long-term - systemic effects, oral Long-term - systemic effects, oral	62 mg/kg bodyweight/day 10,6 mg/l 1,06 mg/l 21 mg/l 30,4 mg/kg dwt 3,04 mg/kg dwt 29,5 mg/kg dwt 100 mg/l 89 mg/kg bodyweight/day 1091 mg/m ³ 125 mg/kg bodyweight/day 98 mg/m ³ 246 mg/m ³ 89 mg/kg bodyweight 426 mg/m ³ 26,7 mg/kg bodyweight/day
Long-term - systemic effects, dermal PNEC (Water) PNEC aqua (freshwater) PNEC aqua (marine water) PNEC aqua (intermittent, freshwater) PNEC (Sediment) PNEC (Sediment (freshwater) PNEC sediment (freshwater) PNEC sediment (marine water) PNEC soil PNEC (Soil) PNEC (Soil) PNEC soil PNEC (STP) PNEC sewage treatment plant 2-butoxyethanol (111-76-2) DNEL/DMEL (Workers) Acute - systemic effects, dermal Acute - systemic effects, inhalation Long-term - systemic effects, inhalation Long-term - local effects, inhalation DNEL/DMEL (General population) Acute - systemic effects, dermal Acute - systemic effects, inhalation	62 mg/kg bodyweight/day 10,6 mg/l 1,06 mg/l 21 mg/l 30,4 mg/kg dwt 3,04 mg/kg dwt 29,5 mg/kg dwt 100 mg/l 89 mg/kg bodyweight/day 1091 mg/m ³ 125 mg/kg bodyweight/day 98 mg/m ³ 246 mg/m ³ 89 mg/kg bodyweight 426 mg/m ³ 26,7 mg/kg bodyweight

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2-butoxyethanol (111-76-2)	
Long-term - local effects, inhalation	147 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	8,8 mg/l
PNEC aqua (marine water)	0,88 mg/l
PNEC aqua (intermittent, freshwater)	9,1 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	34,6 mg/kg dwt
PNEC sediment (marine water)	3,46 mg/kg dwt
PNEC (Soil)	
PNEC soil	2,33 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	463 mg/l
8.2. Exposure controls	
Appropriate engineering controls	: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Vapours are heavier than air and may spread along floors. Provide local exhaust or general room ventilation. Does not require any specific or particular technical measures.
Personal protective equipment	: Protective clothing. Gloves. Safety glasses.
Hand protection	: Polyvinylalcohol (PVA). Nitrile rubber. Choosing the proper glove is a decision that

Other information

producer. : Breakthrough time : >30'. Thickness of the glove material >0.1 mm.

depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Time of penetration is to be checked with the glove

SECTION 9: Physical and chemical properties

9.1. Information on basic phy	vsical and chemical properties
Physical state	: Liquid
Appearance	: Aerosol.
Colour	: No data available
Odour	: characteristic.
Odour threshold	: No data available
рН	:
Relative evaporation rate (butylacetate=1)	: No data available
refraction index	:
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 56,5 - 173 °C
Flash point	: < 0 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density @20°C	: 856,5 kg/m³ @ 20 °C
Solubility	: Partially soluble.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic @40°C	: No data available
Viscosity, dynamic @40°C	: No data available

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Viscosity	:
Viscosity Index	:
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
9.2. Other information	
VOC content	: 100 %
Additional information	: Physical and chemical properties of the active product without gas. The physical and chemical data in this section are typical values for this product and are not intended as product specifications.

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Extremely flammable aerosol. Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from strong acids and strong oxidizers.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. On burning: release of harmful/irritant gases/vapours. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects		
Acute toxicity	: Dermal: Harmful in contact with skin. Inhalation:gas: Harmful if inhaled.	
Air Intake & Carburettor Cleaner (A	Aerosol)	
ATE CLP (dermal)	1762,821 mg/kg bodyweight	
ATE CLP (gases)	4500,000 ppmv/4h	
xylene (1330-20-7)		
LD50 oral rat	> 3500 mg/kg bodyweight F344/N	
LD50 dermal rabbit	> 5000 mg/kg bodyweight	
LC50 inhalation rat (mg/l)	29 mg/l/4h	
ATE CLP (dermal)	1100,000 mg/kg bodyweight	
ATE CLP (vapours)	29,000 mg/l/4h	
ATE CLP (dust,mist)	1,500 mg/l/4h	
Acetone (67-64-1)		
LD50 oral rat	5800 mg/kg Sprague-Dawley	
LD50 dermal rabbit	> 15800 mg/kg New Zealand White	
LC50 inhalation rat (mg/l)	76 mg/l/4h Carworth Farms-Nelson	
ATE CLP (oral)	5800,000 mg/kg bodyweight	
ATE CLP (vapours)	76,000 mg/l/4h	
ATE CLP (dust,mist)	76,000 mg/l/4h	
2-butoxyethanol (111-76-2)		
LD50 oral rat	1746 mg/kg bodyweight COBS, CD, BR	
LD50 dermal rat	> 2000 mg/kg bodyweight Sprague-Dawley	
LD50 dermal rabbit	24h 435 mg/kg bodyweight New Zealand White	
LC50 inhalation rat (mg/l)	2,2 mg/l/4h Fischer 344	
ATE CLP (oral)	1746,000 mg/kg bodyweight	
ATE CLP (dermal)	1100,000 mg/kg bodyweight	
ATE CLP (vapours)	2,200 mg/l/4h	
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2-butoxyethanol (111-76-2)				
ATE CLP (dust,mist)	2,200 mg/l/4h			
Skin corrosion/irritation	: Causes skin irritation.			
Serious eye damage/irritation	: Causes serious eye irritation.			
Respiratory or skin sensitisation	: Not classified			
Germ cell mutagenicity	: Not classified			
Carcinogenicity	: Not classified			
Reproductive toxicity	: Not classified			
STOT-single exposure	: Not classified			
STOT-repeated exposure	: Not classified			
Aspiration hazard	: Not classified			
Potential adverse human health effects and symptoms	: May have a narcotic effect at high concentrations.			
SECTION 12: Ecological information				
12.1. Toxicity				
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.			
valene (1220-20-7)				

> 3 (≤ 10) mg/l @96h

> 3 (≤ 10) mg/l @48h

> 3 (\leq 10) mg/l @72h algae

96h 5540 mg/l oncorhynchus mykiss

48h 7635 mg/l Daphnia cucullata

8d 530 mg/l microcystis aeroginosa

xylene (1330-20-7) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1

Acetone (67-64-1)

LC50 fish 1 EC50 Daphnia 1 NOEC chronic algae

2-butoxyethanol (111-76-2)

LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1 NOEC (acute) 96h 1464 mg/l Oncorhynchus mykiss 48h 1800 mg/l Daphnia magna 72h 911 mg/l Pseudokirchneriella subcapitata 72h 88 mg/l Pseudokirchneriella subcapitata

12.2. Persistence and degradability

Air Intake & Carburettor Cleaner (Aerosol)

All fillake & carburettor cleaner (Aero	301)
Persistence and degradability	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
xylene (1330-20-7)	
Persistence and degradability	Readily biodegradable.
Acetone (67-64-1)	
Persistence and degradability	Readily biodegradable.
2-butoxyethanol (111-76-2)	
Persistence and degradability	Readily biodegradable.
12.3. Bioaccumulative potential	
xylene (1330-20-7)	
Bioaccumulative potential	Slightly bioaccumulative.
Acetone (67-64-1)	
Bioaccumulative potential	Bioaccumulation unlikely.
2-butoxyethanol (111-76-2)	
Bioaccumulative potential	Slightly bioaccumulative.
12.4 Mobility in coil	

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Acetone (67-64-1)

Ecology - soil

Ecology - soil

2-butoxyethanol (111-76-2)

Small adsorption.

12.5. Results of PBT and vPvB assessment

xylene (1330-20-7)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations		
13.1. Waste treatment method	5	
Product/Packaging disposal recommendations	 Container under pressure. Do not drill or burn even after use. Remove to an authorized waste treatment plant. 	
European List of Waste (LoW) code	: 15 01 10* - packaging containing residues of or contaminated by dangerous substances 16 05 04* - gases in pressure containers (including halons) containing dangerous	
	substances	

Expected to be highly mobile in soil.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number	
UN-No. (ADR)	: 1950
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: AEROSOLS
Transport document description (ADR)	: UN 1950 AEROSOLS, 2.1, (D)
14.3. Transport hazard class(es)	
Class (ADR)	: 2
Subsidiary risk (IMDG)	: 2.1
Subsidiary risk (IATA)	: 2.1
Danger labels (ADR)	: 2.1
	2

14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information

: No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport				
Classification code (ADR)	: 5F			
Special provisions (ADR)	: 190, 327, 344, 625			
Transport category (ADR)	: 2			
Tunnel restriction code (ADR)	: D			
Limited quantities (ADR)	: 11			
14.6.2. Transport by sea				
14.6.2. Transport by sea				
14.6.2. Transport by sea EmS-No. (1)	: F-D, S-U			
	: F-D, S-U			
EmS-No. (1)	: F-D, S-U : 203			
EmS-No. (1) 14.6.3. Air transport				

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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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances VOC content : 100 %

15.1.2. National regulations

Water hazard class (WGK)

: 2 - hazard to waters

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aerosol 1	Aerosol, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1	Flammable gases, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H220	Extremely flammable gas
H222	Extremely flammable aerosol
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H229	Pressurised container: May burst if heated
H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product