



Injection System Purge

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

1.1. Product identifier

Product name : Injection System Purge

Product code : W76695

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Petrol injection cleaner

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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]

Flam. Liq. 2	H225
Acute Tox. 4 (Inhalation:dust,mist)	H332
Skin Irrit. 2	H315
Eye Irrit. 2	H319
STOT SE 3	H336
Asp. Tox. 1	H304
Aquatic Chronic 3	H412

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

GHS08

Signal word (CLP) : Danger

Hazardous ingredients : xylene; hydrocarbons, C6, isoalkanes, <5% n-hexane; Propan-2-ol

Hazard statements (CLP) : H225 - Highly flammable liquid and vapour.
H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.
H336 - May cause drowsiness or dizziness.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P102 - Keep out of reach of children.
P405 - Store locked up.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 - Avoid breathing vapours.
P280 - Wear protective gloves, eye protection.

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P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor.
P331 - Do NOT induce vomiting.
P273 - Avoid release to the environment.

Detergent Regulation : Labelling of contents:(Regulation (EC) No. 648/2004 of 31 March 2004 on detergents):

Component	%
aromatic hydrocarbons	>=30%
aliphatic hydrocarbons	15-30%
non-ionic surfactants	<5%

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
Propan-2-ol	(CAS-No.) 67-63-0 (EC-No.) 200-661-7 (EC Index-No.) 603-117-00-0 (REACH-no) 01-2119457558-25	10 - 25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Pentane	(CAS-No.) 109-66-0 (EC-No.) 203-692-4 (EC Index-No.) 601-006-00-1 (REACH-no) 01-2119459286-30	10 - 25	Flam. Liq. 2, H225 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
hydrocarbons, C6, isoalkanes, <5% n-hexane	(EC-No.) 931-254-9 (REACH-no) 01-2119484651-34	10 - 25	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
2-butoxyethanol	(CAS-No.) 111-76-2 (EC-No.) 203-905-0 (EC Index-No.) 603-014-00-0 (REACH-no) 01-2119475108-36	5 - 10	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
n-Butylpyrrolidone	(CAS-No.) 3470-98-2 (EC-No.) 222-437-8 (REACH-no) 01-2120062728-48	2,5 - 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319
amines, coco alkyl, ethoxylated (12 EO)	(CAS-No.) 61791-14-8 (EC-No.) 500-152-2	1 - 2,5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412

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. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. 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. Consult an ophthalmologist if irritation persists.

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First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell. Ingestion of large quantities: immediately to hospital.

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

No additional information available

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. ABC-powder. AFFF foam. Alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Highly flammable liquid and vapour. Take precautionary measures against static discharges. This material can accumulate static charge by flow or agitation and can be ignited by static discharge.

Explosion hazard : No direct explosion hazard.

5.3. Advice for firefighters

Firefighting instructions : Prevent fire fighting water from entering the environment. Contain the extinguishing fluids by bunding.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Use special care to avoid static electric charges. No open flames. No smoking.

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable gloves and eye/face protection. protective clothing. Wear suitable respiratory equipment in case of insufficient ventilation.

Emergency procedures : Mark the danger area. Prevent flow to low areas. In confined space use self-contained breathing apparatus. Take off contaminated clothing.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage. Contain the spilled material by bunding. Eliminate ignition sources. Contain leaking substance, pump over in suitable containers. Recover large spills by pumping (use an explosion proof or hand pump).

Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Scoop absorbed substance into closing containers. Clean preferably with a detergent - Avoid the use of solvents. Dispose in a safe manner in accordance with local/national regulations.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Meet the legal requirements. Repeated exposure may cause skin dryness or cracking. 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. Presents no particular risk when handled in accordance with good occupational hygiene practice.

Hygiene measures : Use good personal hygiene practices. IF ON SKIN: Wash with plenty of water/... Wash contaminated clothing before reuse.

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7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Provide good ventilation in process area to prevent formation of vapour. Take precautionary measures against static discharge. Does not require any specific or particular technical measures.
Storage conditions	: Meet the legal requirements. Keep container tightly closed. Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Storage temperature	: < 45 °C
Storage area	: Meet the legal requirements. Fireproof storeroom. Ventilation along the floor.
Special rules on packaging	: Store in a closed container. Labelling according to.

7.3. Specific end use(s)

See product bulletin for detailed information. Follow the instructions for use of the associated device.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

xylene (1330-20-7)

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
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

Propan-2-ol (67-63-0)

Belgium	Limit value (mg/m ³)	500 mg/m ³
Belgium	Limit value (ppm)	200 ppm
Belgium	Short time value (mg/m ³)	1000 mg/m ³
Belgium	Short time value (ppm)	400 ppm
France	VLE (mg/m ³)	980 mg/m ³
France	VLE (ppm)	400 ppm

Pentane (109-66-0)

Belgium	Limit value (mg/m ³)	1800 mg/m ³
Belgium	Limit value (ppm)	600 ppm
Belgium	Short time value (mg/m ³)	2250 mg/m ³
Belgium	Short time value (ppm)	750 ppm
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	1000 ppm

2-butoxyethanol (111-76-2)

EU	IOELV TWA (mg/m ³)	98 mg/m ³
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

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2-butoxyethanol (111-76-2)

Hungary	AK-érték	98 mg/m ³
Hungary	CK-érték	246 mg/m ³

xylene (1330-20-7)

DNEL/DMEL (Workers)		
Acute - systemic effects, inhalation		289 mg/m ³
Acute - local effects, inhalation		289 mg/m ³
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/m ³
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/m ³
PNEC (Water)		
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

Propan-2-ol (67-63-0)

DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal		888 mg/kg bodyweight/day
Long-term - systemic effects, inhalation		500 mg/m ³
DNEL/DMEL (General population)		
Long-term - systemic effects, oral		26 mg/kg bodyweight/day
Long-term - systemic effects, inhalation		89 mg/m ³
Long-term - systemic effects, dermal		319 mg/kg bodyweight/day
PNEC (Water)		
PNEC aqua (freshwater)		140,9 mg/l
PNEC aqua (marine water)		140,9 mg/l
PNEC aqua (intermittent, freshwater)		140,9 mg/l
PNEC aqua (intermittent, marine water)		140,9 mg/l
PNEC (Sediment)		
PNEC sediment (freshwater)		552 mg/kg dwt
PNEC sediment (marine water)		552 mg/kg dwt
PNEC (Soil)		
PNEC soil		28 mg/kg dwt
PNEC (Oral)		
PNEC oral (secondary poisoning)		160 mg/kg food
PNEC (STP)		
PNEC sewage treatment plant		2251 mg/l

hydrocarbons, C6, isoalkanes, <5% n-hexane

DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal		13964 mg/kg bodyweight/day
Long-term - systemic effects, inhalation		5306 mg/m ³
DNEL/DMEL (General population)		
Long-term - systemic effects, oral		1301 mg/kg bodyweight/day
Long-term - systemic effects, inhalation		1131 mg/m ³

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hydrocarbons, C6, isoalkanes, <5% n-hexane

Long-term - systemic effects, dermal 1377 mg/kg bodyweight/day

Pentane (109-66-0)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal 432 mg/kg bodyweight/day

Long-term - systemic effects, inhalation 3000 mg/m³

DNEL/DMEL (General population)

Long-term - systemic effects, oral 214 mg/kg bodyweight/day

Long-term - systemic effects, inhalation 643 mg/m³

Long-term - systemic effects, dermal 214 mg/kg bodyweight/day

PNEC (Sediment)

PNEC sediment (freshwater) 1,2 mg/kg dwt

PNEC sediment (marine water) 1,2 mg/kg dwt

PNEC (Soil)

PNEC soil 0,55 mg/kg dwt

2-butoxyethanol (111-76-2)

DNEL/DMEL (Workers)

Acute - systemic effects, dermal 89 mg/kg bodyweight/day

Acute - systemic effects, inhalation 1091 mg/m³

Long-term - systemic effects, dermal 125 mg/kg bodyweight/day

Long-term - systemic effects, inhalation 98 mg/m³

Long-term - local effects, inhalation 246 mg/m³

DNEL/DMEL (General population)

Acute - systemic effects, dermal 89 mg/kg bodyweight

Acute - systemic effects, inhalation 426 mg/m³

Acute - systemic effects, oral 26,7 mg/kg bodyweight

Long-term - systemic effects, oral 6,3 mg/kg bodyweight/day

Long-term - systemic effects, inhalation 59 mg/m³

Long-term - systemic effects, dermal 75 mg/kg bodyweight/day

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

n-Butylpyrrolidone (3470-98-2)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal 10 mg/kg bodyweight/day

Long-term - systemic effects, inhalation 70,5 mg/m³

DNEL/DMEL (General population)

Acute - systemic effects, oral 2,5 mg/kg bodyweight

Long-term - systemic effects, oral 2,5 mg/kg bodyweight/day

Long-term - systemic effects, inhalation 17,4 mg/m³

Long-term - systemic effects, dermal 5 mg/kg bodyweight/day

PNEC (Water)

PNEC aqua (freshwater) 0,8 mg/l

PNEC aqua (marine water) 0,08 mg/l

PNEC aqua (intermittent, freshwater) 1 mg/l

PNEC (Sediment)

PNEC sediment (freshwater) 6,336 mg/kg dwt

PNEC sediment (marine water) 0,634 mg/kg dwt

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n-Butylpyrrolidone (3470-98-2)

PNEC (Soil)	
PNEC soil	0,795 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	30,62 mg/l

2,2',2''-nitrioltriethanol (102-71-6)

DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	6,3 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	5 mg/m ³
Long-term - local effects, inhalation	5 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	13 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1,25 mg/m ³
Long-term - systemic effects, dermal	3,1 mg/kg bodyweight/day
Long-term - local effects, inhalation	1,25 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0,32 mg/l
PNEC aqua (marine water)	0,032 mg/l
PNEC aqua (intermittent, freshwater)	5,12 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	1,7 mg/kg dwt
PNEC sediment (marine water)	0,17 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,151 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l

2,2'-iminodiethanol (111-42-2)

DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	0,13 mg/kg bodyweight/day
Long-term - local effects, inhalation	1 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0,06 mg/kg bodyweight/day
Long-term - systemic effects, dermal	0,07 mg/kg bodyweight/day
Long-term - local effects, inhalation	0,25 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0,0156 mg/l
PNEC aqua (marine water)	0,00156 mg/l
PNEC aqua (intermittent, freshwater)	0,097 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0,0718 mg/kg dwt
PNEC sediment (marine water)	0,00718 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,00518 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	1,04 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	100 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. Provide good ventilation in process area to prevent formation of vapour. Does not require any specific or particular technical measures.

Personal protective equipment

: Gloves. Safety glasses.



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Hand protection	: Neoprene. Nitrile rubber. Choosing the proper glove is a decision that 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 producer.
Other information	: Breakthrough time : >30'. Thickness of the glove material >0,1 mm.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: clear.
Colour	: light yellow.
Odour	: aromatic.
Odour threshold	: No data available
pH	:
Relative evaporation rate (butylacetate=1)	: No data available
refraction index	: 1,422
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 36 °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	: 798 kg/m ³
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic @40°C	: 0,82 mm ² /s
Viscosity, dynamic @40°C	: No data available
Viscosity	:
Viscosity Index	:
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content	: 88,83 %
Additional information	: 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

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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. Protect from sunlight.

10.5. Incompatible materials

No additional information available

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10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmful: may cause lung damage if swallowed

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ATE CLP (dust,mist) 3,5952803774 mg/l/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 mg/kg bodyweight

ATE CLP (vapours) 29 mg/l/4h

ATE CLP (dust,mist) 1,5 mg/l/4h

Propan-2-ol (67-63-0)

LD50 oral rat 5840 mg/kg bodyweight Sherman

LD50 dermal rabbit 13900 mg/kg bodyweight

LC50 inhalation rat (mg/l) > 25 mg/l

ATE CLP (oral) 5840 mg/kg bodyweight

ATE CLP (dermal) 13900 mg/kg bodyweight

hydrocarbons, C6, isoalkanes, <5% n-hexane

LD50 oral rat 16750 mg/kg bodyweight Long-Evans

LD50 dermal rabbit 3350 mg/kg bodyweight New Zealand White

LC50 inhalation rat (mg/l) 259,354 mg/l/4h Long-Evans

ATE CLP (oral) 16750 mg/kg bodyweight

ATE CLP (dermal) 3350 mg/kg bodyweight

ATE CLP (vapours) 259,354 mg/l/4h

ATE CLP (dust,mist) 259,354 mg/l/4h

Pentane (109-66-0)

LD50 oral rat > 2000 mg/kg bodyweight

LC50 inhalation rat (mg/l) > 25,3 mg/l/4h Sprague-Dawley

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 mg/kg bodyweight

ATE CLP (dermal) 1100 mg/kg bodyweight

ATE CLP (vapours) 2,2 mg/l/4h

ATE CLP (dust,mist) 2,2 mg/l/4h

n-Butylpyrrolidone (3470-98-2)

LD50 oral rat 301 (≤ 1999) mg/kg bodyweight RccHan: WIST (SPF)

LD50 dermal rat > 2000 mg/kg bodyweight Wistar

ATE CLP (oral) 301 mg/kg bodyweight

amines, coco alkyl, ethoxylated (12 EO) (61791-14-8)

ATE CLP (oral) 500 mg/kg bodyweight

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 : May cause drowsiness or dizziness.

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STOT-repeated exposure	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: This product contains hazardous components for the aquatic environment.
Ecology - water	: Harmful to aquatic life with long lasting effects.

xylene (1330-20-7)

LC50 fish 1	> 3 (≤ 10) mg/l @96h
EC50 Daphnia 1	> 3 (≤ 10) mg/l @48h
EC50 other aquatic organisms 1	> 3 (≤ 10) mg/l @72h algae

Propan-2-ol (67-63-0)

LC50 fish 1	96h 9640 mg/l pimephales promelas
EC50 Daphnia 1	24h 9714 mg/l daphnia magna
LOEC (chronic)	1000 mg/l @8d algae

hydrocarbons, C6, isoalkanes, <5% n-hexane

LC50 fish 1	96h 12,51 mg/l Oncorhynchus mykiss
EC50 Daphnia 1	48h 23,22 mg/l Daphnia magna
EC50 other aquatic organisms 1	72h 13,56 mg/l Pseudokirchneriella subcapitata

Pentane (109-66-0)

LC50 fish 1	96h 4,26 mg/l Oncorhynchus mykiss
EC50 Daphnia 1	48h 2,7 mg/l Daphnia magna
EC50 other aquatic organisms 1	72h 10,7 mg/l Scenedesmus capricornutum
NOEC (acute)	72h 2,04 mg/l Scenedesmus capricornutum

2-butoxyethanol (111-76-2)

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

n-Butylpyrrolidone (3470-98-2)

LC50 fish 1	> 100 mg/l @96h Oncorhynchus mykiss
EC50 Daphnia 1	> 100 mg/l Daphnia magna
EC50 other aquatic organisms 1	> 160 mg/l @72h Pseudokirchneriella subcapitata
ErC50 (algae)	> 160 mg/l @72h Pseudokirchneriella subcapitata
NOEC (acute)	100 mg/l Oncorhynchus mykiss

amines, coco alkyl, ethoxylated (12 EO) (61791-14-8)

EC50 Daphnia 1	48h 10 - 100 mg/l daphnia magna
EC50 other aquatic organisms 1	72h 10 - 100 mg/l desmodesmus subspicatus
NOEC (acute)	48h 1 mg/l daphnia magna

12.2. Persistence and degradability

xylene (1330-20-7)

Persistence and degradability	Readily biodegradable.
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Propan-2-ol (67-63-0)

Persistence and degradability	Readily biodegradable.
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Pentane (109-66-0)

Persistence and degradability	Readily biodegradable.
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2-butoxyethanol (111-76-2)

Persistence and degradability	Readily biodegradable.
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n-Butylpyrrolidone (3470-98-2)

Persistence and degradability	biodegradable.
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amines, coco alkyl, ethoxylated (12 EO) (61791-14-8)

Biodegradation	28d 72 % OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D
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12.3. Bioaccumulative potential

xylene (1330-20-7)

Bioaccumulative potential Slightly bioaccumulative.

Propan-2-ol (67-63-0)

Log Pow 0,05

Log Kow < 4

Bioaccumulative potential No bioaccumulation.

Pentane (109-66-0)

Bioaccumulative potential Readily biodegradable.

2-butoxyethanol (111-76-2)

Bioaccumulative potential Slightly bioaccumulative.

n-Butylpyrrolidone (3470-98-2)

Bioaccumulative potential No bioaccumulation.

12.4. Mobility in soil

2-butoxyethanol (111-76-2)

Ecology - soil Small adsorption.

n-Butylpyrrolidone (3470-98-2)

Log Koc 43,2

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

Propan-2-ol (67-63-0)

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 methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Remove to an authorized waste treatment plant. Avoid release to the environment.

European List of Waste (LoW) code : 15 01 10* - packaging containing residues of or contaminated by dangerous substances
18 01 06* - chemicals consisting of or containing dangerous substances

SECTION 14: Transport information

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

14.1. UN number

UN-No. (ADR) : 1993

14.2. UN proper shipping name

Proper Shipping Name (ADR) : FLAMMABLE LIQUID, N.O.S.

Transport document description (ADR) : UN 1993 FLAMMABLE LIQUID, N.O.S. (hexanes, isopropanol), 3, II, (D/E)

14.3. Transport hazard class(es)

Class (ADR) : 3

Danger labels (ADR) : 3



14.4. Packing group

Packing group (ADR) : II

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14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

Hazard identification number (Kemler No.) : 33

Classification code (ADR) : F1

Orange plates :



Special provisions (ADR) : 274, 601, 640D

Transport category (ADR) : 2

Tunnel restriction code (ADR) : D/E

Limited quantities (ADR) : 1I

Excepted quantities (ADR) : E2

EAC code : •3YE

14.6.2. Transport by sea

EmS-No. (1) : F-E, S-E

14.6.3. Air transport

Instruction "cargo" (ICAO) : 364

Instruction "passenger" (ICAO) : 353

Instruction "passenger" - Limited quantities (ICAO) : Y341

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 : 88,83 %

15.1.2. National regulations

Water hazard class (WGK) : 2 - significant 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 Tox. 4 (Inhalation:dust,mist)

Acute Tox. 4 (Oral)

Aquatic Chronic 2

Aquatic Chronic 3

Asp. Tox. 1

Eye Dam. 1

Eye Irrit. 2

Acute toxicity (dermal), Category 4

Acute toxicity (inhalation:dust,mist) Category 4

Acute toxicity (oral), Category 4

Hazardous to the aquatic environment — Chronic Hazard, Category 2

Hazardous to the aquatic environment — Chronic Hazard, Category 3

Aspiration hazard, Category 1

Serious eye damage/eye irritation, Category 1

Serious eye damage/eye irritation, Category 2

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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
H225	Highly flammable liquid and vapour.
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.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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