Safety Data Sheet

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



MSDS Version: E03.01

Date of issue: 14/03/2018

Blend Version: 6

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

Product identifier 1.1.

Product form	3	Mixture
Product name	:	Diesel System Purge
Product code	:	W89195

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	: [Diesel fuel additive
Function or use category	: F	uel additives

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

Emergency telephone number 1.4.

Emergency number

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

SECTION 2: Hazards identification

Classification of the substance or mixture 2.1.

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

H226
H319
H372
H304
H412

Full text of 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)

	GH502 GH507 GH508
Signal word (CLP)	: Danger
Hazardous ingredients	: hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
Hazard statements (CLP)	 H226 - Flammable liquid and vapour. H304 - May be fatal if swallowed and enters airways. H319 - Causes serious eye irritation. H372 - Causes damage to organs (central nervous system) through prolonged or repeated exposure. H412 - Harmful to aquatic life with long lasting effects.
EUH-statements	: EUH066 - Repeated exposure may cause skin dryness or cracking.
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. P260 - Do not breathe vapours.
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- P280 Wear eye protection.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER, a doctor.
- P331 Do NOT induce vomiting.
- P273 Avoid release to the environment.

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]
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	(EC-No.) 919-164-8 (REACH-no) 01-2119473977-17	75 - 90	STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
4-methylpentan-2-ol	(CAS-No.) 108-11-2 (EC-No.) 203-551-7 (EC Index-No.) 603-008-00-8 (REACH-no) 01-2119473979-13	10 - 25	Flam. Liq. 3, H226 Eye Irrit. 2, H319 STOT SE 3, H335
2-Ethylhexyl nitrate	(CAS-No.) 27247-96-7 (EC-No.) 248-363-6 (REACH-no) 01-2119539586-27	5 - 10	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Aquatic Chronic 2, H411
2-ethylhexan-1-ol substance with a Community workplace exposure limit	(CAS-No.) 104-76-7 (EC-No.) 203-234-3 (REACH-no) 01-2119487289-20	0,1 - 1	Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Name	Product identifier	Specific of	concentration limits
4-methylpentan-2-ol	(CAS-No.) 108-11-2 (EC-No.) 203-551-7 (EC Index-No.) 603-008-00-8 (REACH-no) 01-2119473979-13	(C >= 25)	STOT SE 3, H335

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. Prevent cooling by covering the victim (no warming up). Give psychological aid. Keep watching the victim. 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 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	: If swallowed, 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	s and effects, both acute and delayed
Symptoms/effects after skin contact	: Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: Causes serious eye irritation.
	. Upwoful if guallawad, Uppdacha, Abdeminal pain, May be fatal if guallawad and

Symptoms/effects after ingestion : Harmful if swallowed. Headache. Abdominal pain. May be fatal if swallowed and enters airways. Risk of aspiration pneumonia.

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

No additional information available

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SECTION 5: Firefighting measures

5.1. Extinguishing med	ia	
Suitable extinguishing media	: Water spray. AFFF foam. ABC-powder.	
5.2. Special hazards ar	sing from the substance or mixture	
Fire hazard	: Flammable liquid and vapour. Agitation can cause build up of electrostatic charge.	
Explosion hazard	: No direct explosion hazard.	
5.3. Advice for firefight	ers	
Firefighting instructions	: Prevent fire fighting water from entering the environment.	
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory	

SECTION 6: Accidental release measures	
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SECTION 6: Accidental release measures		
6.1. Personal precautions, prot	tective equipment and emergency procedures	
General measures	: Use special care to avoid static electric charges. No open flames. No smoking.	
6.1.1. For non-emergency personne	I	
Protective equipment	: Wear suitable gloves and eye/face protection. protective clothing.	
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.	

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	: Contain leaking substance, pump over in suitable containers.
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.

Reference to other sections 6.4.

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

SECTION 7: Handling and storage			
7.1. Precautions for safe handli	ng		
Precautions for safe handling	 Meet the legal requirements. Repeated exposure may cause skin dryness or cracking. Presents no particular risk when handled in accordance with good occupational hygiene practice. 		
Hygiene measures	: Use good personal hygiene practices. IF ON SKIN: Gently wash with plenty of soap and water. Wash contaminated clothing before reuse.		
7.2. Conditions for safe storage, including any incompatibilities			
Storage conditions	: Meet the legal requirements. Keep container tightly closed. Protect from sunlight. Store in a well-ventilated place.		
Storage temperature	: < 45 °C		
Storage area	 Meet the legal requirements. Store in a well-ventilated place. Keep container tightly closed. Ventilation along the floor. 		
Special rules on packaging	: Keep only in original container. Labelling according to.		

7.3. Specific end use(s)

See product bulletin for detailed information.

SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**

hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Belgium	Limit value (mg/m³)	533 mg/m³
Belgium	Limit value (ppm)	100 ppm
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	100 ppm

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4-methylpentan-2-ol (108-11-2)

Belgium	Limit value (mg/m ³)	106 mg/m³	
Belgium	Limit value (ppm)	25 ppm	
Belgium	Short time value (mg/m ³)	169 mg/m³	
Belgium	Short time value (ppm)	40 ppm	
Belgium	Remark (BE)	D	
France	VME (mg/m ³)	100 mg/m³	
France	VME (ppm)	25 ppm	
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	85 mg/m ³	
Germany	TRGS 900 Occupational exposure limit value (ppm)	20 ppm	
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	25 ppm	
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	40 ppm	
United Kingdom	WEL TWA (mg/m³)	106 mg/m³	
United Kingdom	WEL TWA (ppm)	25 ppm	
United Kingdom	WEL STEL (mg/m ³)	170 mg/m³	
United Kingdom	WEL STEL (ppm)	40 ppm	
2-ethylbexan-1-ol (104-76-7)			

2-ethylhexan-1-ol (104-76-7)

-	•	•	
EU		IOELV TWA (mg/m ³)	5,4 mg/m ³
EU		IOELV TWA (ppm)	1 ppm
Germany		TRGS 900 Occupational exposure limit value (mg/m ³)	110 mg/m ³
Germany		TRGS 900 Occupational exposure limit value (ppm)	20 ppm

4-methylpentan-2-ol (108-11-2)

DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	208 mg/m ³
Acute - local effects, inhalation	104 mg/m ³
Long-term - systemic effects, dermal	11,8 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	83 mg/m ³
Long-term - local effects, inhalation	83 mg/m ³
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	155,2 mg/m³
Acute - local effects, inhalation	52,1 mg/m ³
Long-term - systemic effects,oral	4,2 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	14,7 mg/m ³
Long-term - systemic effects, dermal	4,2 mg/kg bodyweight/day
Long-term - local effects, inhalation	14,7 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0,6 mg/l
PNEC aqua (marine water)	0,06 mg/l
PNEC aqua (intermittent, freshwater)	3,3 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	2,94 mg/kg dwt
PNEC sediment (marine water)	0,3 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,24 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	1 mg/l
2-Ethylhexyl nitrate (27247-96-7)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	1 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0,35 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects, dermal	0,52 mg/kg bodyweight/day

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	2-Ethylhexyl nitrate (27247-96-7) PNEC (STP)	
	PNEC sewage treatment plant	10 mg/l
Hydrocarbons, C10, aromatics, <1% naphthalene DNEL/DMEL (Workers)		naphthalene
	Long-term - systemic effects, dermal	12,5 mg/kg bodyweight/day
	Long-term - systemic effects, inhalation	151 mg/m ³
	DNEL/DMEL (General population)	
	Long-term - systemic effects,oral	7,5 mg/kg bodyweight/day
	Long-term - systemic effects, inhalation	32 mg/m ³
	Long-term - systemic effects, dermal	7,5 mg/kg bodyweight/day
	2-ethylhexan-1-ol (104-76-7)	
	DNEL/DMEL (Workers)	
	Acute - local effects, inhalation	53,2 mg/m ³
	Long-term - systemic effects, dermal	23 mg/kg bodyweight/day
	Long-term - systemic effects, inhalation	12,8 mg/m ³
	Long-term - local effects, inhalation	53,2 mg/m ³
	DNEL/DMEL (General population)	
	Acute - local effects, inhalation	26,6 mg/m ³
	Long-term - systemic effects,oral	1,1 mg/kg bodyweight/day
	Long-term - systemic effects, inhalation	2,3 mg/m ³
	Long-term - systemic effects, dermal	11,4 mg/kg bodyweight/day
	Long-term - local effects, inhalation	26,6 mg/m ³
	PNEC (Water)	0.017 mg/l
	PNEC aqua (freshwater)	0,017 mg/l
	PNEC aqua (marine water) PNEC aqua (intermittent, freshwater)	0,0017 mg/l 0,17 mg/l
	PNEC (Sediment)	0,17 119/1
	PNEC sediment (freshwater)	0,284 mg/kg dwt
	PNEC sediment (marine water)	0,0284 mg/kg dwt
	PNEC (Soil)	
	PNEC soil	0,047 mg/kg dwt
	PNEC (STP)	, 5, 5
	PNEC sewage treatment plant	10 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. Does not require any specific or particular technical measures.
	Developed a set in a submer set	

: Gloves. Safety glasses.



: Nitrile rubber. Neoprene. 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. : Breakthrough time : >30'. Thickness of the glove material >0,1 mm.

SECTION 9: Physical and chemical properties

Personal protective equipment

Hand protection

Other information

Information on basic physical and chemical properties 9.1.

Physical state	: Liquid
Appearance	: clear.
Colour	: Yellow. light brown.
Odour	: No data available
Odour threshold	: No data available
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Relative evaporation rate (butylacetate=1)	: No data available
refraction index	: 1,441
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 47 °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	: 816 kg/m³
Solubility	: insoluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic @40°C	: 1,26 mm²/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	: 97,025 %

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 additional information available

10.4. Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition. Keep away from strong acids and strong oxidizers.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

On burning: release of harmful/irritant gases/vapours. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

: Harmful: may cause lung damage if swallowed

hydrocarbons, C10-C13, n-alkanes, iso	alkanes, cyclics, aromatics (2-25%)
LD50 oral rat	> 15000 mg/kg
LD50 dermal rabbit	> 3400 mg/kg
LC50 inhalation rat (mg/l)	> 13,1 mg/l/4h
4-methylpentan-2-ol (108-11-2)	
LD50 oral rat	2590 mg/kg bodyweight

LD50 dermal rabbit

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830			
4-methylpentan-2-ol (108-11-2)			
LC50 inhalation rat (mg/l)	> 16 mg/l/4h Wistar		
ATE CLP (oral)	2590 mg/kg bodyweight		
ATE CLP (dermal)	2870 mg/kg bodyweight		
2-Ethylhexyl nitrate (27247-96-7)			
LD50 oral rat	> 9600 mg/kg bodyweight Sprague-Dawley		
ATE CLP (oral)	500 mg/kg bodyweight		
ATE CLP (dermal)	1100 mg/kg bodyweight		
ATE CLP (dust,mist)	1,5 mg/l/4h		
2-ethylhexan-1-ol (104-76-7)			
LD50 oral rat	3290 mg/kg		
LD50 dermal rabbit	> 3000 mg/kg		
LC50 inhalation rat (mg/l)	1,1 mg/l/4h		
ATE CLP (oral)	3290 mg/kg bodyweight		
ATE CLP (dermal)	3000 mg/kg bodyweight		
ATE CLP (vapours)	1,1 mg/l/4h		
ATE CLP (dust,mist)	1,1 mg/l/4h		
Skin corrosion/irritation	: Not classified		
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	: Causes damage to organs (central nervous system) through prolonged or repeated exposure.		
Aspiration hazard	: May be fatal if swallowed and enters airways.		
Aspiration hazard SECTION 12: Ecological information			
SECTION 12: Ecological inform			
SECTION 12: Ecological information 12.1. Toxicity	ation		
SECTION 12: Ecological information 12.1. Toxicity Ecology - general	: May cause long lasting harmful effects to aquatic life.		
SECTION 12: Ecological information 12.1. Toxicity Ecology - general Ecology - water	ation		
SECTION 12: Ecological informa 12.1. Toxicity Ecology - general Ecology - water 4-methylpentan-2-ol (108-11-2)	ation : May cause long lasting harmful effects to aquatic life. : Harmful to aquatic life with long lasting effects.		
SECTION 12: Ecological information 12.1. Toxicity Ecology - general Ecology - water 4-methylpentan-2-ol (108-11-2) LC50 fish 1	 May cause long lasting harmful effects to aquatic life. Harmful to aquatic life with long lasting effects. > 92,4 mg/l @96h Pimephales promelas 		
SECTION 12: Ecological informa 12.1. Toxicity Ecology - general Ecology - water 4-methylpentan-2-ol (108-11-2) LC50 fish 1 EC50 Daphnia 1	 May cause long lasting harmful effects to aquatic life. Harmful to aquatic life with long lasting effects. > 92,4 mg/l @96h Pimephales promelas 48h 337 mg/l Daphnia magna 		
SECTION 12: Ecological information 12.1. Toxicity Ecology - general Ecology - water 4-methylpentan-2-ol (108-11-2) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1	 May cause long lasting harmful effects to aquatic life. Harmful to aquatic life with long lasting effects. 92,4 mg/l @96h Pimephales promelas 48h 337 mg/l Daphnia magna 96h 334 mg/l Pseudokirchneriella subcapitata 		
SECTION 12: Ecological information 12.1. Toxicity Ecology - general Ecology - water 4-methylpentan-2-ol (108-11-2) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1 NOEC (acute)	 May cause long lasting harmful effects to aquatic life. Harmful to aquatic life with long lasting effects. > 92,4 mg/l @96h Pimephales promelas 48h 337 mg/l Daphnia magna 		
SECTION 12: Ecological information 12.1. Toxicity Ecology - general Ecology - water 4-methylpentan-2-ol (108-11-2) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1 NOEC (acute) 2-Ethylhexyl nitrate (27247-96-7)	 May cause long lasting harmful effects to aquatic life. Harmful to aquatic life with long lasting effects. 92,4 mg/l @96h Pimephales promelas 48h 337 mg/l Daphnia magna 96h 334 mg/l Pseudokirchneriella subcapitata 48h 288 mg/l Daphnia magna 		
SECTION 12: Ecological information 12.1. Toxicity Ecology - general Ecology - water 4-methylpentan-2-ol (108-11-2) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1 NOEC (acute) 2-Ethylhexyl nitrate (27247-96-7) LC50 fish 1	 May cause long lasting harmful effects to aquatic life. Harmful to aquatic life with long lasting effects. 92,4 mg/l @96h Pimephales promelas 48h 337 mg/l Daphnia magna 96h 334 mg/l Pseudokirchneriella subcapitata 48h 288 mg/l Daphnia magna 96h 2 mg/l Brachydanio rerio 		
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SECTION 12: Ecological information 12.1. Toxicity Ecology - general Ecology - water 4-methylpentan-2-ol (108-11-2) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1 NOEC (acute) 2-Ethylhexyl nitrate (27247-96-7) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1	 May cause long lasting harmful effects to aquatic life. Harmful to aquatic life with long lasting effects. 92,4 mg/l @96h Pimephales promelas 48h 337 mg/l Daphnia magna 96h 334 mg/l Pseudokirchneriella subcapitata 48h 288 mg/l Daphnia magna 96h 2 mg/l Brachydanio rerio 		
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SECTION 12: Ecological information 12.1. Toxicity Ecology - general Ecology - water 4-methylpentan-2-ol (108-11-2) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1 NOEC (acute) 2-Ethylhexyl nitrate (27247-96-7) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1 2-ethylhexan-1-ol (104-76-7) LC50 fish 1	 May cause long lasting harmful effects to aquatic life. Harmful to aquatic life with long lasting effects. 92,4 mg/l @96h Pimephales promelas 48h 337 mg/l Daphnia magna 96h 334 mg/l Pseudokirchneriella subcapitata 48h 288 mg/l Daphnia magna 96h 2 mg/l Brachydanio rerio 12,6 mg/l @48h Daphnia magna 72h 1,57 mg/l Pseudokirchnerella subcapitata 96h 28,2 mg/l pimephales promelas 		
SECTION 12: Ecological information 12.1. Toxicity Ecology - general Ecology - water 4-methylpentan-2-ol (108-11-2) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1 NOEC (acute) 2-Ethylhexyl nitrate (27247-96-7) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1 2-ethylhexan-1-ol (104-76-7) LC50 fish 1 EC50 fish 1 EC50 Daphnia 1	 May cause long lasting harmful effects to aquatic life. Harmful to aquatic life with long lasting effects. 92,4 mg/l @96h Pimephales promelas 48h 337 mg/l Daphnia magna 96h 334 mg/l Pseudokirchneriella subcapitata 48h 288 mg/l Daphnia magna 96h 2 mg/l Brachydanio rerio > 12,6 mg/l @48h Daphnia magna 72h 1,57 mg/l Pseudokirchnerella subcapitata 96h 28,2 mg/l pimephales promelas 48h 39 mg/l daphnia magna 		
SECTION 12: Ecological information 12.1. Toxicity Ecology - general Ecology - water 4-methylpentan-2-ol (108-11-2) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1 NOEC (acute) 2-Ethylhexyl nitrate (27247-96-7) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1 2-ethylhexan-1-ol (104-76-7) LC50 fish 1	 May cause long lasting harmful effects to aquatic life. Harmful to aquatic life with long lasting effects. 92,4 mg/l @96h Pimephales promelas 48h 337 mg/l Daphnia magna 96h 334 mg/l Pseudokirchneriella subcapitata 48h 288 mg/l Daphnia magna 96h 2 mg/l Brachydanio rerio 12,6 mg/l @48h Daphnia magna 72h 1,57 mg/l Pseudokirchnerella subcapitata 96h 28,2 mg/l pimephales promelas 		
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12.3. Bioaccumulative potential

Safety Data Sheet

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

2-ethylhexan-1-ol (104-76-7)

No bioaccumulation.

Bioaccumulative potential **12.4.** Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

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

2-ethylhexan-1-ol (104-76-7)

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	ds	
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Remove to an authorized waste treatment plant.	
European List of Waste (LoW) code	 18 01 06* - chemicals consisting of or containing dangerous substances 15 01 10* - packaging containing residues of or contaminated by dangerous substances 	
SECTION 14: Transport information		

In accordance with ADR / RID / IMDG / IA	ΓΑ / 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. (METHYL ISOBUTYL CARBINOL), 3, III, (D/E)	
14.3. Transport hazard class(es)		
Class (ADR)	: 3	
Danger labels (ADR)	: 3	
14.4. Packing group		
Packing group (ADR)	: III	
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.)	: 30	
Classification code (ADR)	: F1	
Orange plates	30 1993	
Special provisions (ADR)	: 274, 601, 640E	
Transport category (ADR)	: 3	
Tunnel restriction code (ADR)	: D/E	
Limited quantities (ADR)	: 51	
Excepted quantities (ADR)	: E1	

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

EAC code	: •3YE
14.6.2. Transport by sea	
EmS-No. (1)	: F-E, S-E
14.6.3. Air transport	
Instruction "cargo" (ICAO)	: 366
Instruction "passenger" (ICAO)	: 355
Instruction "passenger" - Limited quantities (ICAO)	: Y344

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 : 97,025 %

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 toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
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.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H372	Causes damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

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