



# Windscreen Wash for Trucks

## 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 : Windscreen Wash for Trucks

Product code : ZAW357

#### 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 : Cleaning product

##### 1.2.2. Uses advised against

No additional information available

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

Wynn Oil SA PTY (Ltd)

22 Mopedi Road

1609 Johannesburg - South Africa

T +27 11 6093708

[info@wynns.co.za](mailto:info@wynns.co.za) - [www.wynns.co.za](http://www.wynns.co.za)

#### 1.4. Emergency telephone number

Emergency number : +27 11 6093708

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Met. Corr. 1 H290

Skin Corr. 1A H314

Aquatic Chronic 2 H411

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) :



GHS05

GHS09

Signal word (CLP) : Danger

Hazardous ingredients : Sodium hydroxide; Hydrogen chloride

Hazard statements (CLP) : H290 - May be corrosive to metals  
H314 - Causes severe skin burns and eye damage  
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (CLP) : P102 - Keep out of reach of children  
P405 - Store locked up  
P280 - Wear face protection, protective gloves, protective clothing  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P310 - Immediately call a POISON CENTER, a doctor

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

Component	%
non-ionic surfactants, EDTA and salts thereof, anionic surfactants	<5%

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### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	% w	Classification according to Regulation (EC) No. 1272/2008 [CLP]
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	5 - 10	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
Benzenesulfonic acid, C10-16-alkyl derivs.	(CAS No) 68584-22-5 (EC no) 271-528-9 (REACH-no) 01-2119492632-34	1 - 2,5	Eye Irrit. 2, H319
fatty alcohol polyglycol ether	(CAS No) confidential (EC no) polymer	1 - 2,5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 2, H411
tetrasodium ethylene diamine tetraacetate	(CAS No) 64-02-8 (EC no) 200-573-9 (EC index no) 607-428-00-2 (REACH-no) 01-2119486762-27	0,1 - 1	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Dam. 1, H318
Sodium hydroxide	(CAS No) 1310-73-2 (EC no) 215-185-5 (EC index no) 011-002-00-6 (REACH-no) 01-2119457892-27	0,1 - 1	Met. Corr. 1, H290 Skin Corr. 1A, H314
Hydrogen chloride substance with a Community workplace exposure limit	(CAS No) 7647-01-0 (EC no) 231-595-7 (EC index no) 017-002-01-X (REACH-no) 01-2119484862-27	0,1 - 1	Met. Corr. 1, H290 Skin Corr. 1B, H314 STOT SE 3, H335
benzene, C10-16-alkyl derivs.	(CAS No) 68648-87-3 (EC no) 272-008-4	0,02 - 0,1	Skin Irrit. 2, H315 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410

Name	Product identifier	Specific concentration limits
Sodium hydroxide	(CAS No) 1310-73-2 (EC no) 215-185-5 (EC index no) 011-002-00-6 (REACH-no) 01-2119457892-27	( 0,5 =<C < 2) Skin Irrit. 2, H315 ( 0,5 =<C < 2) Eye Irrit. 2, H319 ( 2 =<C < 5) Skin Corr. 1B, H314 ( C >= 5) Skin Corr. 1A, H314
Hydrogen chloride	(CAS No) 7647-01-0 (EC no) 231-595-7 (EC index no) 017-002-01-X (REACH-no) 01-2119484862-27	( C >= 0,1) Met. Corr. 1, H290 ( 10 =<C < 25) Skin Irrit. 2, H315 ( 10 =<C < 25) Eye Irrit. 2, H319 ( C >= 10) STOT SE 3, H335 ( C >= 25) Skin Corr. 1B, H314

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 or doctor/physician 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.

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

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

- Symptoms/injuries : Causes severe skin burns and eye damage.

### 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 : All extinguishing agents can be used.
- Unsuitable extinguishing media : None to our knowledge. If there is a fire close by, use suitable extinguishing agents.

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

- Fire hazard : No fire hazard.
- Explosion hazard : Product is not explosive.

### 5.3. Advice for firefighters

- 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

#### 6.1.1. For non-emergency personnel

- Protective equipment : Wear suitable gloves and eye/face protection. protective clothing.
- Emergency procedures : Mark the danger area. Do not get in eyes, on skin, or on clothing. Take off contaminated clothing and wash before reuse.

#### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.

### 6.2. Environmental precautions

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

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

- For containment : Collect spillage. 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. This material and its container must be disposed of in a safe way, and as per local legislation. Clean contaminated surfaces with an excess of water.

### 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 : Presents no particular risk when handled in accordance with good occupational hygiene practice. Meet the legal requirements. Avoid contact with skin and eyes.
- 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

- Technical measures : Does not require any specific or particular technical measures. Keep out of frost.
- Storage conditions : Protect from sunlight. Store in a well-ventilated place. Meet the legal requirements. Store in a closed container.
- Storage area : Meet the legal requirements.
- Special rules on packaging : Meet the legal requirements. Keep only in original container. correctly labelled.

### 7.3. Specific end use(s)

See product bulletin for detailed information.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

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

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

##### 2-butoxyethanol (111-76-2)

EU	IOELV TWA (mg/m <sup>3</sup> )	98 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	20 ppm
EU	IOELV STEL (mg/m <sup>3</sup> )	246 mg/m <sup>3</sup>
EU	IOELV STEL (ppm)	50 ppm
Belgium	Limit value (mg/m <sup>3</sup> )	98 mg/m <sup>3</sup>
Belgium	Limit value (ppm)	20 ppm
Belgium	Short time value (mg/m <sup>3</sup> )	246 mg/m <sup>3</sup>
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 <sup>3</sup> )	100 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 8H (ppm)	20 ppm
Netherlands	Grenswaarde TGG 15MIN (mg/m <sup>3</sup> )	246 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 15MIN (ppm)	50 ppm

##### Sodium hydroxide (1310-73-2)

Belgium	Limit value (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Belgium	Remark (BE)	M

##### Hydrogen chloride (7647-01-0)

EU	IOELV TWA (mg/m <sup>3</sup> )	8 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	5 ppm
EU	IOELV STEL (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup>
EU	IOELV STEL (ppm)	10 ppm
Belgium	Limit value (mg/m <sup>3</sup> )	8 mg/m <sup>3</sup>
Belgium	Limit value (ppm)	5 ppm
Belgium	Short time value (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup>
Belgium	Short time value (ppm)	10 ppm

##### 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 <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	26 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	89 mg/m <sup>3</sup>
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

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

PNEC (Oral)	
PNEC oral (secondary poisoning)	160 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	2251 mg/l

### 2-butoxyethanol (111-76-2)

DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	89 mg/kg bodyweight/day
Acute - systemic effects, inhalation	1091 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	125 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	98 mg/m <sup>3</sup>
Long-term - local effects, inhalation	246 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	89 mg/kg bodyweight
Acute - systemic effects, inhalation	426 mg/m <sup>3</sup>
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/m <sup>3</sup>
Long-term - systemic effects, dermal	75 mg/kg bodyweight/day
Long-term - local effects, inhalation	147 mg/m <sup>3</sup>
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

### Benzenesulfonic acid, C10-16-alkyl derivs. (68584-22-5)

DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	3,33 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0,66 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0,833 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0,33 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	1,667 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	1 mg/l
PNEC aqua (marine water)	1 mg/l
PNEC aqua (intermittent, freshwater)	10 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	723500000 mg/kg dwt
PNEC sediment (marine water)	723500000 mg/kg dwt
PNEC (Soil)	
PNEC soil	868700000 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	16,667 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l

### Ethanol (64-17-5)

DNEL/DMEL (Workers)	
Acute - local effects, inhalation	1900 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	343 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	950 mg/m <sup>3</sup>

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### Ethanol (64-17-5)

DNEL/DMEL (General population)	
Acute - local effects, inhalation	950 mg/m <sup>3</sup>
Long-term - systemic effects, oral	87 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	114 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	206 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0,96 mg/l
PNEC aqua (marine water)	0,79 mg/l
PNEC aqua (intermittent, freshwater)	2,75 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	3,6 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,63 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	580 mg/l

### tetrasodium ethylene diamine tetraacetate (64-02-8)

DNEL/DMEL (Workers)	
Acute - local effects, inhalation	3 mg/m <sup>3</sup>
Long-term - local effects, inhalation	1,5 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Acute - local effects, inhalation	1,2 mg/m <sup>3</sup>
Long-term - systemic effects, oral	25 mg/kg bodyweight/day
Long-term - local effects, inhalation	0,6 mg/m <sup>3</sup>
PNEC (Water)	
PNEC aqua (freshwater)	2,2 mg/l
PNEC aqua (marine water)	0,22 mg/l
PNEC (Soil)	
PNEC soil	0,72 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	43 mg/l

### Sodium hydroxide (1310-73-2)

DNEL/DMEL (Workers)	
Long-term - local effects, inhalation	1 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - local effects, inhalation	1 mg/m <sup>3</sup>

### Hydrogen chloride (7647-01-0)

DNEL/DMEL (Workers)	
Acute - local effects, inhalation	15 mg/m <sup>3</sup>
Long-term - systemic effects, inhalation	8 mg/m <sup>3</sup>

## 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.

Personal protective equipment

: Protective clothing. Gloves. Protective goggles.



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

: Thickness of the glove material >0.15 mm. Breakthrough time : >60'.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

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Appearance	: clear.
Colour	: dark blue.
Odour	: characteristic.
Odour threshold	: No data available
pH	: 11,9
Relative evaporation rate (butylacetate=1)	: No data available
refraction index	:
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 100 °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	: 995 kg/m <sup>3</sup>
Solubility	: Soluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic @40°C	: No data available
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

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

React in contact of acids.

### 10.4. Conditions to avoid

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.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

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

LD50 oral rat 5840 mg/kg bodyweight Sherman

LD50 dermal rabbit 13900 mg/kg bodyweight

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

LC50 inhalation rat (mg/l)	> 25 mg/l
ATE CLP (oral)	5840,000 mg/kg bodyweight
ATE CLP (dermal)	13900,000 mg/kg bodyweight

### 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
ATE CLP (dust,mist)	2,200 mg/l/4h

### Benzenesulfonic acid, C10-16-alkyl derivs. (68584-22-5)

LD50 oral rat	> 5000 mg/kg bodyweight Sprague-Dawley
LD50 dermal rabbit	> 5000 mg/kg bodyweight New Zealand White
LC50 inhalation rat (mg/l)	> 1,9 mg/l/4h Sprague-Dawley

### fatty alcohol polyglycol ether (confidential)

LD50 oral rat	1000 mg/kg
ATE CLP (oral)	1000,000 mg/kg bodyweight

### tetrasodium ethylene diamine tetraacetate (64-02-8)

LD50 oral rat	1780 ( $\leq$ 1913) mg/kg bodyweight Wistar
ATE CLP (oral)	1780,000 mg/kg bodyweight
ATE CLP (gases)	4500,000 ppmv/4h
ATE CLP (vapours)	11,000 mg/l/4h
ATE CLP (dust,mist)	1,500 mg/l/4h

### benzene, C10-16-alkyl derivs. (68648-87-3)

LD50 oral rat	> 5000 mg/kg bodyweight read-across
Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: 11,9
Serious eye damage/irritation	: Serious eye damage, category 1, implicit pH: 11,9
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential adverse human health effects and symptoms	: Causes eye and skin burns.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : This product contains hazardous components for the aquatic environment.

#### 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

#### 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



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### **2-butoxyethanol (111-76-2)**

NOEC (acute) 72h 88 mg/l Pseudokirchneriella subcapitata

### **Benzenesulfonic acid, C10-16-alkyl derivs. (68584-22-5)**

LC50 fish 1 > 1000 mg/l @96h Pimephales promelas  
EC50 Daphnia 1 > 1000 mg/l @48h Daphnia magna  
EC50 other aquatic organisms 1 > 1000 mg/l @72h Pseudokirchnerella subcapitata  
NOEC (acute) 1000 mg/l @72h Pseudokirchnerella subcapitata

### **fatty alcohol polyglycol ether (confidential)**

LC50 fish 1 96h 1,1 ( $\leq 4,9$ ) mg/l cyprinus carpio  
EC50 Daphnia 1 48h 5,1 ( $\leq 9,9$ ) mg/l daphnia magna  
EC50 other aquatic organisms 1 < 10 mg/l algae - selenastrum capricornutum resp.

### **tetrasodium ethylene diamine tetraacetate (64-02-8)**

LC50 fish 1 96h 792 mg/l 754-831, medium hard water - Lepomis macrochirus  
EC50 Daphnia 1 24h 610 mg/l Daphnia magna  
EC50 other aquatic organisms 1 > 60 mg/l @72h Pseudokirchneriella subcapitata  
LOEC (acute) 60,6 mg/l @72h Pseudokirchneriella subcapitata  
NOEC (acute) 48,4 mg/l @72h Pseudokirchneriella subcapitata

### **Sodium hydroxide (1310-73-2)**

EC50 Daphnia 1 48h 40,4 mg/l Ceriodaphnia sp.

### **benzene, C10-16-alkyl derivs. (68648-87-3)**

EC50 Daphnia 1 48h 0,009 mg/l daphnia magna

## 12.2. Persistence and degradability

### **Windscreen Wash for Trucks**

Persistence and degradability Limited biodegradability.

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

Persistence and degradability Readily biodegradable.

### **2-butoxyethanol (111-76-2)**

Persistence and degradability Readily biodegradable.

### **Benzenesulfonic acid, C10-16-alkyl derivs. (68584-22-5)**

Persistence and degradability Water : Not biodegradable.

### **tetrasodium ethylene diamine tetraacetate (64-02-8)**

Persistence and degradability Not readily biodegradable.

Biodegradation 28d 0 - 10 %

### **benzene, C10-16-alkyl derivs. (68648-87-3)**

Persistence and degradability Not readily biodegradable.

## 12.3. Bioaccumulative potential

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

Log Pow 0,05  
Log Kow < 4  
Bioaccumulative potential No bioaccumulation.

### **2-butoxyethanol (111-76-2)**

Bioaccumulative potential Slightly bioaccumulative.

### **tetrasodium ethylene diamine tetraacetate (64-02-8)**

BCF fish 1 28d 1,8 mg/kg Conc.in environment / dose:0.08 mg/L - Lepomis macrochirus  
BCF fish 2 28d 1,1 mg/kg Conc.in environment / dose:0.76 mg/L - Lepomis macrochirus

### **benzene, C10-16-alkyl derivs. (68648-87-3)**

Log Pow 5,72 - 5,75 @27°C

## 12.4. Mobility in soil

### **2-butoxyethanol (111-76-2)**

Ecology - soil Small adsorption.

## 12.5. Results of PBT and vPvB assessment

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### 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

Waste 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 : 20 01 29\* - detergents 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 / IATA / ADN

### 14.1. UN number

UN-No. (ADR) : 1760

### 14.2. UN proper shipping name

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

Transport document description (ADR) : UN 1760 CORROSIVE LIQUID, N.O.S. (Sodium hydroxide; tetrasodium ethylene diamine tetraacetate), 8, III, (E), ENVIRONMENTALLY HAZARDOUS

### 14.3. Transport hazard class(es)

Class (ADR) : 8

Danger labels (ADR) : 8



### 14.4. Packing group

Packing group (ADR) : III

### 14.5. Environmental hazards

Dangerous for the environment :



Other information : No supplementary information available.

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

Hazard identification number (Kemler No.) : 80

Classification code (ADR) : C9

Orange plates :

Special provisions (ADR) : 274

Transport category (ADR) : 3

Tunnel restriction code (ADR) : E

Limited quantities (ADR) : 5I

Excepted quantities (ADR) : E1

EAC code : 2X

APP code : B

#### 14.6.2. Transport by sea

EmS-No. (1) : F-A, S-B

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### 14.6.3. Air transport

Instruction "cargo" (ICAO) : 856  
Instruction "passenger" (ICAO) : 852  
Instruction "passenger" - Limited quantities (ICAO) : Y841

### 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

#### 15.1.2. National regulations

Water hazard class (WGK) : 1 - low 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)	Acute toxicity (inhal.), 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 Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H290	May be corrosive to metals
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

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H411

Toxic 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*