



# Diesel Air Intake Cleaner

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 20/09/2022 Revision date: 16/08/2021 Version: 4.01

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

#### 1.1. Product identifier

Product name : Diesel Air Intake Cleaner  
Product code : W11395  
Product group : Trade product

#### 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 : Automotive Care Products

##### 1.2.2. Uses advised against

No additional information available

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

ITW ADDITIVES INTL B.V.  
Industriepark-West 46  
9100 Sint-Niklaas  
Belgium  
T +32 3 766 60 20 - F +32 3 778 16 56  
[msds@wynns.eu](mailto:msds@wynns.eu) - [www.wynns.com](http://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]

Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 1	H318
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336
Aspiration hazard, Category 1	H304
Hazardous to the aquatic environment – Acute Hazard, Category 1	H400
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411

Full text of H- and EUH-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) :



Signal word (CLP) :

Danger

Contains :

Hydrocarbons, C10, aromatics, <1% naphthalene, C8-C26 branched and linear hydrocarbons – Distillates, Alcohols, C9-11-iso-, C10-rich, ethoxylated

Hazard statements (CLP) :

H304 - May be fatal if swallowed and enters airways.  
H315 - Causes skin irritation.  
H318 - Causes serious eye damage.  
H336 - May cause drowsiness or dizziness.  
H410 - Very toxic to aquatic life with long lasting effects.

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Precautionary statements (CLP) : P102 - Keep out of reach of children.  
P405 - Store locked up.  
P261 - Avoid breathing vapours.  
P280 - Wear protective clothing, eye protection.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTER or doctor/physician.  
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P331 - Do NOT induce vomiting.  
P273 - Avoid release to the environment.

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C10, aromatics, <1% naphthalene	EC-No.: 918-811-1 REACH-no: 01-2119463583-34	25 – 50	STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066
C8-C26 branched and linear hydrocarbons – Distillates	CAS-No.: 848301-67-7 EC-No.: 481-740-5 REACH-no: 01-0000020119-75	10 – 25	Asp. Tox. 1, H304 EUH066
n-Butylpyrrolidone	CAS-No.: 3470-98-2 EC-No.: 222-437-8 REACH-no: 01-2120062728-48	10 – 25	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319
Alcohols, C9-11-iso-, C10-rich, ethoxylated	CAS-No.: 78330-20-8 EC-No.: 616-607-4	2,5 – 5	Eye Dam. 1, H318
Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl)	CAS-No.: 68603-38-3 EC-No.: 271-653-9 REACH-no: 01-2119951823-33	2,5 – 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
C16-18-(even numbered, saturated and unsatd.)-alkylamines (Oleylamine)	CAS-No.: 1213789-63-9 EC-No.: 627-034-4 REACH-no: 01-2119473797-19	1 – 2,5	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	CAS-No.: 110-25-8 EC-No.: 203-749-3 REACH-no: 01-2119488991-20	1 – 2,5	Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 3, H412

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
N,N-dimethyl dec-9-enamid	CAS-No.: 1356964-77-6 EC-No.: 806-919-0 REACH-no: 01-2120058432-61	1 – 2,5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 3, H412
2,2'-iminodiethanol	CAS-No.: 111-42-2 EC-No.: 203-868-0 EC Index-No.: 603-071-00-1 REACH-no: 01-2119488930-28	0,1 – 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Repr. 2, H361fd STOT RE 2, H373

Full text of H- and EUH-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	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If irritation persists, consult a doctor.
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 eye specialist.
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

Symptoms/effects after inhalation	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways.

### 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. AFFF foam. ABC-powder.
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### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Combustible liquid.
Explosion hazard	: Product is not explosive.

### 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.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : No open flames. No smoking.

##### 6.1.1. For non-emergency personnel

Protective equipment : Wear suitable gloves and eye/face protection. protective clothing. Large spills/in enclosed spaces: compressed air apparatus.

Emergency procedures : Mark the danger area. Keep upwind. Prevent flow to low areas. Take off contaminated clothing.

##### 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. Toxic to aquatic life with long lasting effects.

#### 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. Clean preferably with a detergent - Avoid the use of solvents.

#### 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. 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: Gently 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.

Storage conditions : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight.

Storage temperature : < 45 °C

Storage area : Store in a well-ventilated place. Meet the legal requirements.

Special rules on packaging : Meet the legal requirements. Labelling according to.

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

Read label before use. Observe the label precautions. See product bulletin for detailed information.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

###### Hydrocarbons, C10, aromatics, <1% naphthalene

###### Belgium - Occupational Exposure Limits

OEL TWA	200 mg/m <sup>3</sup>
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<b>2,2'-iminodiethanol (111-42-2)</b>	
<b>Belgium - Occupational Exposure Limits</b>	
OEL TWA	2 mg/m <sup>3</sup>
OEL TWA [ppm]	0,46 ppm
Remark	D

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

<b>Hydrocarbons, C10, aromatics, &lt;1% naphthalene</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	12,5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	151 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	7,5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	32 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	7,5 mg/kg bodyweight/day
<b>C8-C26 branched and linear hydrocarbons – Distillates (848301-67-7)</b>	
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	2,06 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	1,68 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	10 mg/l
<b>n-Butylpyrrolidone (3470-98-2)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	10 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	70,5 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
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/m <sup>3</sup>
Long-term - systemic effects, dermal	5 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0,8 mg/l
PNEC aqua (marine water)	0,08 mg/l
PNEC aqua (intermittent, freshwater)	1 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	6,336 mg/kg dwt

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<b>n-Butylpyrrolidone (3470-98-2)</b>	
PNEC sediment (marine water)	0,634 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	0,795 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	30,62 mg/l
<b>Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl) (68603-38-3)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	4,16 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	73,44 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	6,25 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	21,73 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	2,5 mg/kg bodyweight/day
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	0,83 mg/l
<b>C16-18-(even numbered, saturated and unsatd.)-alkylamines (Oleylamine) (1213789-63-9)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	0,09 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0,38 mg/m <sup>3</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0,00026 mg/l
PNEC aqua (marine water)	0,000026 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	0,1794 mg/kg dwt
PNEC sediment (marine water)	0,01794 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	10 mg/kg dwt
<b>PNEC (Oral)</b>	
PNEC oral (secondary poisoning)	0,22 mg/kg food
<b>2,2',2''-nitrilotriethanol (102-71-6)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	6,3 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	5 mg/m <sup>3</sup>
Long-term - local effects, inhalation	5 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	13 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1,25 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	3,1 mg/kg bodyweight/day

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<b>2,2',2''-nitrilotriethanol (102-71-6)</b>	
Long-term - local effects, inhalation	1,25 mg/m <sup>3</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0,32 mg/l
PNEC aqua (marine water)	0,032 mg/l
PNEC aqua (intermittent, freshwater)	5,12 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	1,7 mg/kg dwt
PNEC sediment (marine water)	0,17 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	0,151 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	10 mg/l
<b>N,N-dimethyl dec-9-enamid (1356964-77-6)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	5,71 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	40 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects,oral	2,857 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	10 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	2,857 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0,028 mg/l
PNEC aqua (marine water)	0,0028 mg/l
PNEC aqua (intermittent, freshwater)	0,028 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	1,541 mg/kg dwt
PNEC sediment (marine water)	0,154 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	5,3 mg/kg dwt
<b>PNEC (Oral)</b>	
PNEC oral (secondary poisoning)	12,71 mg/kg food
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	2,12 mg/l
<b>2,2'-iminodiethanol (111-42-2)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	0,13 mg/kg bodyweight/day
Long-term - local effects, inhalation	1 mg/m <sup>3</sup>

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<b>2,2'-iminodiethanol (111-42-2)</b>	
<b>DNEL/DMEL (General population)</b>	
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 <sup>3</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0,0156 mg/l
PNEC aqua (marine water)	0,00156 mg/l
PNEC aqua (intermittent, freshwater)	0,097 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	0,0718 mg/kg dwt
PNEC sediment (marine water)	0,00718 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	0,00518 mg/kg dwt
<b>PNEC (Oral)</b>	
PNEC oral (secondary poisoning)	1,04 mg/kg food
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	100 mg/l

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering 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.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Safety glasses. Gloves.

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

No additional information available

#### 8.2.2.2. Skin protection

##### 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

#### 8.2.2.3. Respiratory protection

No additional information available

#### 8.2.2.4. Thermal hazards

No additional information available



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### 8.2.3. Environmental exposure controls

#### 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
Colour	: Colourless to yellow. The colour can change over time without effect on the quality of the product.
Odour	: aromatic.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not available
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 62 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: 4,6 mm <sup>2</sup> /s
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: 900 kg/m <sup>3</sup>
Relative density	: Not available
Relative vapour density at 20 °C	: Not available
Particle characteristics	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

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

Combustible liquid. 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.

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### 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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### Hydrocarbons, C10, aromatics, <1% naphthalene

LD50 oral rat	6318 mg/kg bodyweight CrI:CDBR
LD50 dermal rabbit	> 2000 mg/kg bodyweight New Zealand White
LC50 Inhalation - Rat	> 4,688 mg/l/4h Sprague-Dawley

#### C8-C26 branched and linear hydrocarbons – Distillates (848301-67-7)

LD50 oral rat	> 5000 mg/kg bodyweight Sprague-Dawley
LD50 dermal rat	> 2000 mg/kg bodyweight Sprague-Dawley

#### n-Butylpyrrolidone (3470-98-2)

LD50 oral rat	301 (≤ 1999) mg/kg bodyweight RccHan: WIST (SPF)
LD50 dermal rat	> 2000 mg/kg bodyweight Wistar

#### Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl) (68603-38-3)

LD50 oral rat	> 3000 mg/kg bodyweight
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#### C16-18-(even numbered, saturated and unsatd.)-alkylamines (Oleylamine) (1213789-63-9)

LD50 oral rat	1689 mg/kg bodyweight Sprague-Dawley
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#### N,N-dimethyl dec-9-enamid (1356964-77-6)

LD50 oral rat	550 mg/kg
LD50 dermal rat	> 5000 mg/kg bodyweight Wistar

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

LD50 oral rat	1600 mg/kg
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#### (Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine (110-25-8)

LD50 oral rat	> 5000 mg/kg bodyweight Sprague-Dawley
LC50 Inhalation - Rat	> 1,01 (≤ 1,85) mg/l/4h Sprague-Dawley

Skin corrosion/irritation : Causes skin irritation.

#### Alcohols, C9-11-iso-, C10-rich, ethoxylated (78330-20-8)

pH	≈ 7
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Serious eye damage/irritation : Causes serious eye damage.

#### Alcohols, C9-11-iso-, C10-rich, ethoxylated (78330-20-8)

pH	≈ 7
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Respiratory or skin sensitisation : Not classified

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Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.

### Hydrocarbons, C10, aromatics, <1% naphthalene

STOT-single exposure	May cause drowsiness or dizziness.
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### C16-18-(even numbered, saturated and unsatd.)-alkylamines (Oleylamine) (1213789-63-9)

STOT-single exposure	May cause respiratory irritation.
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### N,N-dimethyl dec-9-enamid (1356964-77-6)

STOT-single exposure	May cause respiratory irritation.
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STOT-repeated exposure	: Not classified
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### C16-18-(even numbered, saturated and unsatd.)-alkylamines (Oleylamine) (1213789-63-9)

STOT-repeated exposure	May cause damage to organs (digestive tract, liver, immune system) through prolonged or repeated exposure (oral).
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### 2,2'-iminodiethanol (111-42-2)

STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
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Aspiration hazard	: May be fatal if swallowed and enters airways.
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### Diesel Air Intake Cleaner

Viscosity, kinematic	4,6 mm <sup>2</sup> /s
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### Hydrocarbons, C10, aromatics, <1% naphthalene

Viscosity, kinematic	< 2 mm <sup>2</sup> /s
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Aliphatic, alicyclic or aromatic hydrocarbon	Yes
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### C8-C26 branched and linear hydrocarbons – Distillates (848301-67-7)

Viscosity, kinematic	2 – 4,5 mm <sup>2</sup> /s
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### n-Butylpyrrolidone (3470-98-2)

Viscosity, kinematic	4,48 mm <sup>2</sup> /s
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### C16-18-(even numbered, saturated and unsatd.)-alkylamines (Oleylamine) (1213789-63-9)

Viscosity, kinematic	6,064 mm <sup>2</sup> /s
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### (Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine (110-25-8)

Viscosity, kinematic	250 – 450 mm <sup>2</sup> /s
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## 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: This product contains hazardous components for the aquatic environment.
Ecology - water	: Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

<b>Hydrocarbons, C10, aromatics, &lt;1% naphthalene</b>	
LC50 - Fish [1]	96h 2 (≤ 5) mg/l Oncorhynchus mykiss
EC50 - Crustacea [1]	48h 3 (≤ 10) mg/l Daphnia magna
EC50 - Other aquatic organisms [1]	72h 1 (≤ 3) mg/l Pseudokirchneriella subcapitata
NOEC chronic fish	0,441 mg/l
NOEC chronic crustacea	0,771 mg/l
NOEC chronic algae	1 mg/l
<b>C8-C26 branched and linear hydrocarbons – Distillates (848301-67-7)</b>	
LC50 - Fish [1]	> 1000 mg/l @96h Pimephales promelas
EC50 - Crustacea [1]	> 1000 mg/l @48h Daphnia magna
EC50 - Other aquatic organisms [1]	> 1000 mg/l @72h Pseudokirchneriella subcapitata
NOEC (acute)	> 1000 mg/l @48h Daphnia magna
<b>n-Butylpyrrolidone (3470-98-2)</b>	
LC50 - Fish [1]	> 100 mg/l @96h Oncorhynchus mykiss
EC50 - Crustacea [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
<b>Alcohols, C9-11-iso-, C10-rich, ethoxylated (78330-20-8)</b>	
LC50 - Fish [1]	> 100 mg/l Leuciscus idus @96h
<b>Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl) (68603-38-3)</b>	
LC50 - Fish [1]	96h 1,2 mg/l oncorhynchus mykiss
NOEC (acute)	72h 2 mg/l Desmodesmus subspicatus
NOEC (chronic)	> 0,01 (≤ 0,1) mg/l @21d daphnia magna
<b>C16-18-(even numbered, saturated and unsatd.)-alkylamines (Oleylamine) (1213789-63-9)</b>	
LC50 - Fish [1]	96h 0,06 mg/l Pimephales promelas
EC50 - Crustacea [1]	48h 0,98 mg/l Daphnia magna
EC50 - Other aquatic organisms [1]	72h 0,46 mg/l Desmodesmus subspicatus
<b>N,N-dimethyl dec-9-enamid (1356964-77-6)</b>	
LC50 - Fish [1]	> 7,5 mg/l
EC50 - Crustacea [1]	2,8 mg/l
NOEC chronic algae	1,1 mg/l
<b>2,2'-iminodiethanol (111-42-2)</b>	
LC50 - Fish [1]	96h 460 mg/l Oncorhynchus mykiss
EC50 - Crustacea [1]	48h 30 mg/l Ceriodaphnia dubia
EC50 - Other aquatic organisms [1]	72h 9,5 mg/l pseudokirchneriella subcapitata
NOEC chronic crustacea	1,05 mg/l

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<b>(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine (110-25-8)</b>	
LC50 - Fish [1]	96h 6,8 (≥ 4,6) mg/l <i>Leuciscus idus</i>
EC50 - Crustacea [1]	48h 0,43 mg/l <i>Daphnia magna</i>
EC50 - Other aquatic organisms [1]	72h 6,3 mg/l <i>Scenedesmus subspicatus</i>
NOEC (acute)	≈ 6,81 mg/l @96h <i>Leuciscus idus</i>

### 12.2. Persistence and degradability

<b>Hydrocarbons, C10, aromatics, &lt;1% naphthalene</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	50 %

<b>C8-C26 branched and linear hydrocarbons – Distillates (848301-67-7)</b>	
Persistence and degradability	Readily biodegradable.

<b>n-Butylpyrrolidone (3470-98-2)</b>	
Persistence and degradability	biodegradable.

<b>Alcohols, C9-11-iso-, C10-rich, ethoxylated (78330-20-8)</b>	
Persistence and degradability	Readily biodegradable.
Biochemical oxygen demand (BOD)	0,635 g O <sub>2</sub> /g substance @5d
Chemical oxygen demand (COD)	2,31 g O <sub>2</sub> /g substance
Biodegradation	> 60 %

<b>Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl) (68603-38-3)</b>	
Persistence and degradability	biodegradable.

<b>N,N-dimethyl dec-9-enamid (1356964-77-6)</b>	
Persistence and degradability	Readily biodegradable.

<b>2,2'-iminodiethanol (111-42-2)</b>	
Persistence and degradability	Readily biodegradable.

<b>(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine (110-25-8)</b>	
Persistence and degradability	Readily biodegradable.

### 12.3. Bioaccumulative potential

<b>C8-C26 branched and linear hydrocarbons – Distillates (848301-67-7)</b>	
Partition coefficient n-octanol/water (Log Pow)	> 6,5 @40°C

<b>n-Butylpyrrolidone (3470-98-2)</b>	
Bioaccumulative potential	No bioaccumulation.

<b>N,N-dimethyl dec-9-enamid (1356964-77-6)</b>	
Partition coefficient n-octanol/water (Log Pow)	3,17 @30°C
Bioaccumulative potential	Readily biodegradable.

<b>(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine (110-25-8)</b>	
Partition coefficient n-octanol/water (Log Pow)	3,5 – 4,2 @20°C
Partition coefficient n-octanol/water (Log Kow)	6,83 @25°C

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### 12.4. Mobility in soil

#### n-Butylpyrrolidone (3470-98-2)

Organic Carbon Normalized Adsorption Coefficient (Log K <sub>oc</sub> )	43,2
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### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

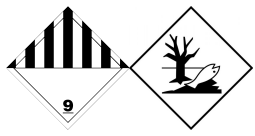
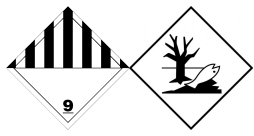
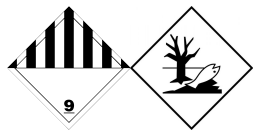
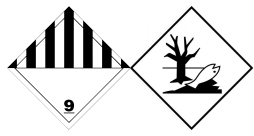
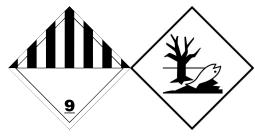
## SECTION 13: Disposal considerations

### 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	: 14 06 03* - other solvents and solvent mixtures 15 01 10* - packaging containing residues of or contaminated by dangerous substances

## SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082
<b>14.2. UN proper shipping name</b>				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	Environmentally hazardous substance, liquid, n.o.s.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
<b>Transport document description</b>				
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s., 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
<b>14.3. Transport hazard class(es)</b>				
9	9	9	9	9
				
<b>14.4. Packing group</b>				
III	III	III	III	III

# Diesel Air Intake Cleaner

## Safety Data Sheet

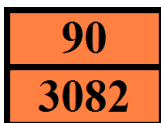
according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ADR	IMDG	IATA	ADN	RID
<b>14.5. Environmental hazards</b>				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR)	: M6
Special provisions (ADR)	: 274, 335, 375, 601
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBV
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV13
Hazard identification number (Kemler No.)	: 90
Orange plates	:



Tunnel restriction code (ADR)	: -
EAC code	: •3Z

#### Transport by sea

Special provisions (IMDG)	: 274, 335, 969
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP01, P001
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-F
Stowage category (IMDG)	: A

#### Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
Special provisions (IATA)	: A97, A158, A197, A215
ERG code (IATA)	: 9L

#### Inland waterway transport

Classification code (ADN)	: M6
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Special provisions (ADN)	: 274, 335, 375, 601
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP
Number of blue cones/lights (ADN)	: 0

### Rail transport

Classification code (RID)	: M6
Special provisions (RID)	: 274, 335, 375, 601
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Special packing provisions (RID)	: PP1
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1, TP29
Tank codes for RID tanks (RID)	: LGBV
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Special provisions for carriage - Loading, unloading and handling (RID)	: CW13, CW31
Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 90

### 14.7. Maritime transport in bulk according to IMO instruments

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

##### REACH Annex XVII (Restriction List)

Contains no REACH substances with Annex XVII restrictions

##### REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

##### REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

##### PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

##### Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

##### Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

##### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)



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### 15.1.2. National regulations

#### France

Occupational diseases	
Code	Description
RG 49	Skin disorders caused by aliphatic, alicyclic amines or ethanolamines
RG 49 BIS	Respiratory disorders caused by aliphatic amines, ethanolamines or isophoronediamine

#### Germany

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).  
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

#### Netherlands

SZW-lijst van kankerverwekkende stoffen : Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl) is listed  
SZW-lijst van mutagene stoffen : Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl) is listed  
SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed  
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed  
SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

#### Denmark

Class for fire hazard : Class III-1  
Store unit : 50 liter  
Classification remarks : Flammable according to the Danish Ministry of Justice; Emergency management guidelines for the storage of flammable liquids must be followed  
Danish National Regulations : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

#### Switzerland

Storage class (LK) : LK 6.1 - Toxic materials

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Full text of H- and EUH-statements:	
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
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
EUH066	Repeated exposure may cause skin dryness or cracking.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.

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Full text of H- and EUH-statements:	
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.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

Safety Data Sheet (SDS), EU

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.