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

1.1. Product identifier

Product name : Petrol Air Intake Cleaner

Product code : W10995

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

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

1.4. Emergency telephone number

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin Irrit. 2	H315
Eye Dam. 1	H318
STOT SE 3	H336
STOT RE 1	H372
Asp. Tox. 1	H304
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 GHS07 GHS08 GHS09

Signal word (CLP) : Danger

Hazardous ingredients : hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%); Hydrocarbons, C10, aromatics, <1% naphthalene; 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.
H372 - Causes damage to organs (central nervous system) through prolonged or repeated exposure.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P102 - Keep out of reach of children.
P405 - Store locked up.
P260 - Do not breathe vapours.
P280 - Wear protective gloves, 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 doctor.
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, 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
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	(EC-No.) 919-164-8 (REACH-no) 01-2119473977-17	10 - 25	STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
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	Acute Tox. 4 (Oral), H302 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 (112-90-3) (EC-No.) 627-034-4 (204-015-5) (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)
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
Naphthalene	(CAS-No.) 91-20-3 (EC-No.) 202-049-5 (EC Index-No.) 601-052-00-2 (REACH-no) 01-2119561346-37	0,1 - 1	Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Check the vital functions. Keep victim at rest in half upright position. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Keep watching the victim. Give psychological aid. Prevent cooling by covering the victim (no warming up). Keep the victim calm, avoid physical strain. If necessary seek medical advice.

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

First-aid measures after skin contact : 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.

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.

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: Wash with plenty of 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

Hydrocarbons, C10, aromatics, <1% naphthalene

Belgium	Limit value (mg/m³)	200 mg/m³

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

Naphthalene (91-20-3)

EU	IOELV TWA (mg/m³)	50 mg/m³
EU	IOELV TWA (ppm)	10 ppm
Belgium	Limit value (mg/m³)	53 mg/m³
Belgium	Limit value (ppm)	10 ppm
Belgium	Short time value (mg/m³)	80 mg/m³
Belgium	Short time value (ppm)	15 ppm
Belgium	Remark (BE)	D

Hydrocarbons, C10, aromatics, <1% naphthalene

DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	12,5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	151 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	7,5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	32 mg/m³
Long-term - systemic effects, dermal	7,5 mg/kg bodyweight/day

n-Butylpyrrolidone (3470-98-2)

DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	10 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	70,5 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, oral	2,5 mg/kg bodyweight
Long-term - systemic effects,oral	2,5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	17,4 mg/m³
Long-term - systemic effects, dermal	5 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0,8 mg/l
PNEC aqua (marine water)	0,08 mg/l
PNEC aqua (intermittent, freshwater)	1 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	6,336 mg/kg dwt
PNEC sediment (marine water)	0,634 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,795 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	30,62 mg/l

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

DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	4,16 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	73,44 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	6,25 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	21,73 mg/m³
Long-term - systemic effects, dermal	2,5 mg/kg bodyweight/day
PNEC (STP)	
PNEC sewage treatment plant	0,83 mg/l

C16-18-(even numbered, saturated and unsatd.)-alkylamines (Oleylamine) (1213789-63-9 (112-90-3))

DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	0,09 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0,38 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0,00026 mg/l
PNEC aqua (marine water)	0,000026 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0,1794 mg/kg dwt
PNEC sediment (marine water)	0,01794 mg/kg dwt
PNEC (Soil)	
PNEC soil	10 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	0,22 mg/kg food

2,2',2 "-nitrilotriethanol (102-71-6)

DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	6,3 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	5 mg/m³
Long-term - local effects, inhalation	5 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	13 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1,25 mg/m³
Long-term - systemic effects, dermal	3,1 mg/kg bodyweight/day
Long-term - local effects, inhalation	1,25 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0,32 mg/l
PNEC aqua (marine water)	0,032 mg/l
PNEC aqua (intermittent, freshwater)	5,12 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	1,7 mg/kg dwt
PNEC sediment (marine water)	0,17 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,151 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l

N,N-dimethyl dec-9-enamid (1356964-77-6)

DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	5,71 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	40 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	2,857 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	10 mg/m³
Long-term - systemic effects, dermal	2,857 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0,028 mg/l
PNEC aqua (marine water)	0,0028 mg/l
PNEC aqua (intermittent, freshwater)	0,028 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	1,541 mg/kg dwt
PNEC sediment (marine water)	0,154 mg/kg dwt
PNEC (Soil)	
PNEC soil	5,3 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	12,71 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	2,12 mg/l

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

DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	0,13 mg/kg bodyweight/day
Long-term - local effects, inhalation	1 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	0,06 mg/kg bodyweight/day
Long-term - systemic effects, dermal	0,07 mg/kg bodyweight/day
Long-term - local effects, inhalation	0,25 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0,0156 mg/l
PNEC aqua (marine water)	0,00156 mg/l
PNEC aqua (intermittent, freshwater)	0,097 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0,0718 mg/kg dwt
PNEC sediment (marine water)	0,00718 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,00518 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	1,04 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l

Naphthalene (91-20-3)

DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	3,57 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	25 mg/m³
Long-term - local effects, inhalation	25 mg/m³
PNEC (STP)	
PNEC sewage treatment plant	2,9 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.

Personal protective equipment : Safety glasses. Gloves.

Hand protection : Neoprene. Nitrile rubber. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Time of penetration is to be checked with the glove producer.

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless to yellow. The colour can change over time without effect on the quality of the product.
Odour	: aromatic.
Odour threshold	: No data available
pH	:
Relative evaporation rate (butylacetate=1)	: No data available
refraction index	: 1,466
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 62 °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	: 900 kg/m³
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic @40°C	: 3,9 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	: 68,28 %
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.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Hydrocarbons, C10, aromatics, <1% naphthalene

LD50 oral rat	6318 mg/kg bodyweight Crl:CDBR
LD50 dermal rabbit	> 2000 mg/kg bodyweight New Zealand White
LC50 inhalation rat (mg/l)	> 4,688 mg/l/4h Sprague-Dawley
ATE CLP (oral)	6318 mg/kg bodyweight

hydrocarbons, C10-C13, n-alkanes, isoalkanes, 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

n-Butylpyrrolidone (3470-98-2)

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

n-Butylpyrrolidone (3470-98-2)

ATE CLP (oral)	301 mg/kg bodyweight

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

LD50 oral rat	301 - 2000 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight
ATE CLP (oral)	301 mg/kg bodyweight

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

LD50 oral rat	> 3000 mg/kg bodyweight

C16-18-(even numbered, saturated and unsatd.)-alkylamines (Oleylamine) (1213789-63-9 (112-90-3))

LD50 oral rat	1689 mg/kg bodyweight Sprague-Dawley
ATE CLP (oral)	1689 mg/kg bodyweight

N,N-dimethyl dec-9-enamid (1356964-77-6)

LD50 oral rat	550 mg/kg
ATE CLP (oral)	550 mg/kg bodyweight

Naphthalene (91-20-3)

LD50 oral rat	> 2000 mg/kg bodyweight Sprague-Dawley
LD50 dermal rat	> 2500 mg/kg bodyweight Sherman
ATE CLP (oral)	500 mg/kg bodyweight

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.
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.

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.

Hydrocarbons, C10, aromatics, <1% naphthalene

LC50 fish 1	96h 2 - 5 mg/l Oncorhynchus mykiss
EC50 Daphnia 1	48h 10 mg/l Daphnia magna
EC50 other aquatic organisms 1	72h 1 - 3 mg/l Pseudokirchneriella subcapitata

n-Butylpyrrolidone (3470-98-2)

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

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

LC50 fish 1	96h 1,1 - 10 mg/l cyprinus carpio
EC50 Daphnia 1	48h 1,1 - 10 mg/l daphnia magna
EC50 other aquatic organisms 1	72h 1,1 - 10 mg/l desmodesmus subspicatus

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

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

C16-18-(even numbered, saturated and unsatd.)-alkylamines (Oleylamine) (1213789-63-9 (112-90-3))

LC50 fish 1	96h 0,06 mg/l Pimephales promelas
EC50 Daphnia 1	48h 0,98 mg/l Daphnia magna

C16-18-(even numbered, saturated and unsatd.)-alkylamines (Oleylamine) (1213789-63-9 (112-90-3))

EC50 other aquatic organisms 1	72h 0,46 mg/l Desmodesmus subspicatus
EC50 other aquatic organisms 2	96h 0,04 mg/l Pseudokirchnerella subcapitata

N,N-dimethyl dec-9-enamid (1356964-77-6)

LC50 fish 1	> 7,5 mg/l
EC50 Daphnia 1	2,8 mg/l
NOEC chronic algae	1,1 mg/l

Naphthalene (91-20-3)

LC50 fish 1	96h 1,6 mg/l Oncorhynchus mykiss
EC50 Daphnia 1	48h 2,16 mg/l Daphnia magna

12.2. Persistence and degradability

n-Butylpyrrolidone (3470-98-2)

Persistence and degradability	biodegradable.

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

Persistence and degradability	Readily biodegradable.
Biochemical oxygen demand (BOD)	0,635 g O_2/g substance @5d
Chemical oxygen demand (COD)	2,31 g O_2/g substance
Biodegradation	> 60 %

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

Persistence and degradability	biodegradable.

N,N-dimethyl dec-9-enamid (1356964-77-6)

Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

n-Butylpyrrolidone (3470-98-2)

Bioaccumulative potential	No bioaccumulation.

N,N-dimethyl dec-9-enamid (1356964-77-6)

Log Pow	3,17 @30°C
Bioaccumulative potential	Readily biodegradable.

12.4. Mobility in soil

n-Butylpyrrolidone (3470-98-2)

Log Koc	43,2

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

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

European List of Waste (LoW) code : 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 / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : 3082

14.2. UN proper shipping name

Proper Shipping Name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Transport document description (ADR) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hydrocarbons, C10, aromatics, <1% naphthalene; Oleylamine), 9, III

14.3. Transport hazard class(es)

Class (ADR) : 9

Danger labels (ADR) : 9

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.) : 90

Classification code (ADR) : M6

Orange plates :

Special provisions (ADR) : 274, 335, 375, 601

Transport category (ADR) : 3

Limited quantities (ADR) : 5l

Excepted quantities (ADR) : E1

EAC code : •3Z

14.6.2. Transport by sea

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

14.6.3. Air transport

Instruction "cargo" (ICAO) : 964

Instruction "passenger" (ICAO) : 964

Instruction "passenger" - Limited quantities (ICAO) : Y964

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 : 68,28 %

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 (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
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
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.

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