



Diesel Turbo Cleaner

Safety Data Sheet

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

MSDS Version: E05.00

Date of issue: 16/08/2016

Blend Version: 5

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

1.1. Product identifier

Product form : Mixture
Product name : Diesel Turbo Cleaner
Product code : W31563

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Diesel fuel additive

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

STOT RE 1 H372
Asp. Tox. 1 H304
Aquatic Chronic 3 H412

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS08

Signal word (CLP) : Danger
Hazardous ingredients : hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways
H372 - Causes damage to organs (central nervous system) through prolonged or repeated exposure
H412 - Harmful to aquatic life with long lasting effects
EUH-statements : EUH066 - Repeated exposure may cause skin dryness or cracking
Precautionary statements (CLP) : P102 - Keep out of reach of children
P405 - Store locked up
P260 - Do not breathe vapours
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

Diesel Turbo Cleaner

Safety Data Sheet

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

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] |
|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------------------|
| hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) | (EC no) 919-164-8 (REACH-no) 01-2119473977-17 | >= 90 | STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 |
| Hydrocarbons, C10, aromatics, <1% naphthalene | (EC no) 918-811-1 (REACH-no) 01-2119463583-34 | 1 - 2,5 | STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 |
| 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 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 or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- 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

No additional information available

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Fire hazard : Combustible liquid. This material can accumulate static charge by flow or agitation and can be ignited by static discharge.

Explosion hazard : Product is not explosive.

5.3. Advice for firefighters

Firefighting instructions : Prevent fire fighting water from entering the environment.

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 : Use special care to avoid static electric charges. No open flames. No smoking.

Diesel Turbo Cleaner

Safety Data Sheet

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

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable gloves and eye/face protection. protective clothing.
Emergency procedures : Mark the danger area. Large spills/in enclosed spaces: compressed air apparatus. Prevent flow to low areas. 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

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

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage. Contain 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. Use good personal hygiene practices. Repeated exposure may cause skin dryness or cracking. Presents no particular risk when handled in accordance with good occupational hygiene practice.
Hygiene measures : Use good personal hygiene practices. IF ON SKIN: 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 : Meet the legal requirements. Protect from sunlight. Store in a well-ventilated place.
Storage area : Meet the legal requirements. Store in a well-ventilated place. Ventilation along the floor.
Special rules on packaging : Keep only in original container. Meet the legal requirements.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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

| | | |
|---------------------------------|----------------------------------|-----------------------|
| Belgium | Limit value (mg/m ³) | 533 mg/m ³ |
| Belgium | Limit value (ppm) | 100 ppm |
| Italy - Portugal - USA ACGIH | ACGIH TWA (ppm) | 100 ppm |

Hydrocarbons, C10, aromatics, <1% naphthalene

| | | |
|---------|----------------------------------|-----------------------|
| Belgium | Limit value (mg/m ³) | 200 mg/m ³ |
|---------|----------------------------------|-----------------------|

Naphthalene (91-20-3)

| | | |
|---------|---------------------------------------|----------------------|
| EU | IOELV TWA (mg/m ³) | 50 mg/m ³ |
| EU | IOELV TWA (ppm) | 10 ppm |
| Belgium | Limit value (mg/m ³) | 53 mg/m ³ |
| Belgium | Limit value (ppm) | 10 ppm |
| Belgium | Short time value (mg/m ³) | 80 mg/m ³ |
| 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

Diesel Turbo Cleaner

Safety Data Sheet

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

| | |
|-----------------------------------------------|---------------------------|
| Hydrocarbons, C10, aromatics, <1% naphthalene | |
| Long-term - systemic effects, inhalation | 32 mg/m ³ |
| Long-term - systemic effects, dermal | 7,5 mg/kg bodyweight/day |
| 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/m ³ |
| Long-term - local effects, inhalation | 25 mg/m ³ |
| 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

: Gloves. Safety glasses.



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 | : brown. |
| Odour | : characteristic. |
| Odour threshold | : No data available |
| pH | : |
| Relative evaporation rate (butylacetate=1) | : No data available |
| refraction index | : 1,447 |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : 64 °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 | : 801,5 kg/m ³ |
| Solubility | : No data available |
| Log Pow | : No data available |
| Log Kow | : No data available |
| Viscosity, kinematic @40°C | : 1,26 mm ² /s |
| Viscosity, dynamic @40°C | : No data available |
| Viscosity | : |
| Viscosity Index | : |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

Diesel Turbo Cleaner

Safety Data Sheet

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

9.2. Other information

VOC content : 98,07 %

Additional information : The physical and chemical data in this section are typical values for this product and are not intended as product specifications.

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Keep away from 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

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmful: may cause lung damage if swallowed

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

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 (mg/l) > 4,688 mg/l/4h Sprague-Dawley

ATE CLP (oral) 6318,000 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) 500,000 mg/kg bodyweight

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

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) : 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 : Harmful to aquatic life with long lasting effects.

Diesel Turbo Cleaner

Safety Data Sheet

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

| | |
|-----------------------------------------------|------------------------------------------------|
| 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 |
| 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

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

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

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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 : 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

Not regulated for transport

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

Diesel Turbo Cleaner

Safety Data Sheet

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

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 : 98,07 %

15.1.2. National regulations

Water hazard class (WGK) : 2 - 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 |
| STOT RE 1 | Specific target organ toxicity — Repeated exposure, Category 1 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Narcosis |
| H302 | Harmful if swallowed |
| H304 | May be fatal if swallowed and enters airways |
| H336 | May cause drowsiness or dizziness |
| H351 | Suspected of causing cancer |
| H372 | Causes 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 |
| EUH066 | Repeated exposure may cause skin dryness or cracking |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product