



Supremium Diesel

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

MSDS Version: E06.00

Date of issue: 22/01/2015

Blend Version: 4

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

1.1. Product identifier

Product form : Mixture
Product name : Supremium Diesel
Product code : W22911

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.be

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]

| | |
|-------------------------------------|------|
| Acute Tox. 4 (Oral) | H302 |
| Acute Tox. 4 (Dermal) | H312 |
| Acute Tox. 4 (Inhalation:dust,mist) | H332 |
| STOT RE 1 | H372 |
| Asp. Tox. 1 | H304 |
| Aquatic Chronic 2 | H411 |

Full text of classification categories and H statements : see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R20/21/22
Xn; R65
Xn; R48/20
N; R51/53
R44
R66

Full text of R-phrases: 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) :



GHS07

GHS08

GHS09

Signal word (CLP) : Danger

Hazardous ingredients : 2-Ethylhexyl nitrate, hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Hazard statements (CLP) : H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled
H304 - May be fatal if swallowed and enters airways

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| | |
|--------------------------------|--|
| | H372 - Causes damage to organs (central nervous system) through prolonged or repeated exposure |
| | H411 - Toxic to aquatic life with long lasting effects |
| EUH phrases | : EUH044 - Risk of explosion if heated under confinement 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 P271 - Use only outdoors or in a well-ventilated area P273 - Avoid release to the environment P280 - Wear protective gloves, protective clothing P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor P331 - Do NOT induce vomiting |

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 Directive 67/548/EEC |
|--|---|---------|--|
| 2-Ethylhexyl nitrate | (CAS No) 27247-96-7 (EC no) 248-363-6 (REACH-no) 01-2119539586-27 | 25 - 50 | Xn; R20/21/22 R44 N; R51/53 R66 |
| hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) | (EC no) 919-164-8 (REACH-no) 01-2119473977-17 | 25 - 50 | Xn; R48/20 Xn; R65 R66 |
| 2-ethylhexan-1-ol | (CAS No) 104-76-7 (EC no) 203-234-3 (REACH-no) 01-2119487289-20 | 2,5 - 5 | Xn; R20 Xi; R36/37/38 |
| Hydrocarbons, C10, aromatics, <1% naphthalene | (EC no) 918-811-1 (REACH-no) 01-2119463583-34 | 2,5 - 5 | N; R51/53 Xn; R65 R66 R67 |

| Name | Product identifier | Specific concentration limits |
|----------------------|---|-------------------------------|
| 2-Ethylhexyl nitrate | (CAS No) 27247-96-7 (EC no) 248-363-6 (REACH-no) 01-2119539586-27 | (C >= 10) R44 |

| Name | Product identifier | % w | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|---|---------|---|
| 2-Ethylhexyl nitrate | (CAS No) 27247-96-7 (EC no) 248-363-6 (REACH-no) 01-2119539586-27 | 25 - 50 | Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Aquatic Chronic 2, H411 |
| hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) | (EC no) 919-164-8 (REACH-no) 01-2119473977-17 | 25 - 50 | STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 |
| 2-ethylhexan-1-ol | (CAS No) 104-76-7 (EC no) 203-234-3 (REACH-no) 01-2119487289-20 | 2,5 - 5 | Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 |
| Hydrocarbons, C10, aromatics, <1% naphthalene | (EC no) 918-811-1 (REACH-no) 01-2119463583-34 | 2,5 - 5 | STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 |

Full text of R- and H-statements: see section 16

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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. Vomiting: prevent asphyxia/aspiration pneumonia. Victim in shock: on his back with legs slightly raised. 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. Get medical advice/attention 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 skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell. Ingestion of large quantities: immediately to hospital.

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

- Symptoms/injuries after skin contact : Harmful in contact with skin. skin corrosion/irritation. Repeated or prolonged skin contact may cause dermatitis and defatting.
- Symptoms/injuries after eye contact : Eye irritation.
- Symptoms/injuries after ingestion : Harmful if swallowed. May be fatal if swallowed and enters airways. Headache. Abdominal pain. Risk of aspiration pneumonia.

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. Flammable liquid and vapour. This material can accumulate static charge by flow or agitation and can be ignited by static discharge.
- Explosion hazard : Risk of explosion if heated under confinement.
- Reactivity : Exothermic decomposition.

5.3. Advice for firefighters

- Firefighting instructions : Prevent fire-fighting water from entering 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.

6.1.1. For non-emergency personnel

- Protective equipment : Safety glasses. Face-shield. Gloves. protective clothing.
- Emergency procedures : Mark the danger area. Seal off low-lying areas. Large spills/in enclosed spaces: compressed air apparatus. Wash contaminated clothes.

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 : Contain leaking substance, pump over in suitable containers.

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Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Clean with detergents. Avoid solvent cleaners.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Meets the legal requirements. Repeated or prolonged contact with the product may lead to removal of natural fats from the skin. Presents no particular risk when handled in accordance with good occupational hygiene practice.

Hygiene measures : Use good personal hygiene practices. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Meets the legal requirements. Keep container tightly closed. Protect from sunlight. Store in a well-ventilated place.

Storage area : Meets the legal requirements. Keep container tightly closed in a cool, well-ventilated place. Ventilation along the floor.

Special rules on packaging : Keep only in original container. correctly labelled.

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%)

Italy - Portugal - USA ACGIH TWA (ppm) 100 ppm
ACGIH

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

Germany TRGS 900 Occupational exposure limit value 110 mg/m³
(mg/m³)

Germany TRGS 900 Occupational exposure limit value 20 ppm
(ppm)

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. 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

Appearance : Clear.

Colour : Yellow.

Odour : characteristic.

Odour threshold : No data available

pH :

Relative evaporation rate (butylacetate=1) : No data available

refraction index : 1,444

Melting point : No data available

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| | |
|----------------------------------|---------------------------|
| 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 | : 883 kg/m ³ |
| Solubility | : Insoluble in water. |
| Log Pow | : No data available |
| Log Kow | : No data available |
| Viscosity, kinematic @40°C | : 1,73 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 |

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

Exothermic decomposition.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Heating causes rise in pressure with risk of bursting. Exothermic decomposition.

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Keep away from strong acids and strong oxidizers.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

On burning: release of harmful/irritant gases/vapours e.g.: carbon monoxide - carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmful: may cause lung damage if swallowed

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ATE CLP (oral) 1041,667 mg/kg bodyweight

ATE CLP (dermal) 1100,000 mg/kg bodyweight

ATE CLP (dust,mist) 2,941 mg/l/4h

2-Ethylhexyl nitrate (27247-96-7)

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

ATE CLP (dermal) 1100,000 mg/kg bodyweight

ATE CLP (dust,mist) 1,500 mg/l/4h

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

ATE CLP (dust,mist) 1,500 mg/l/4h

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

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| | |
|--|--|
| 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 | : May cause long lasting harmful effects to aquatic life. |
| Ecology - water | : Toxic to aquatic life with long lasting effects. |

12.2. Persistence and degradability

2-Ethylhexyl nitrate (27247-96-7)

Persistence and degradability Not readily biodegradable in water.

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

Persistence and degradability Readily biodegradable in water. Biodegradable in the soil.

12.3. Bioaccumulative potential

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

Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).

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 : Remove to an authorized waste treatment plant.

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. (2-Ethylhexyl nitrate), 9, III, (E)

14.3. Transport hazard class(es)

Class (ADR) : 9

Danger labels (ADR) : 9



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14.4. Packing group

Packing group (ADR) : III

14.5. Environmental hazards

Dangerous for the environment :



Other information : No supplementary information available.

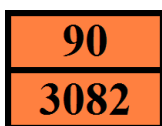
14.6. Special precautions for user

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

Tunnel restriction code (ADR) : E

Limited quantities (ADR) : 5I

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

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 R-, H- and EUH-statements:

Acute Tox. 4 (Dermal)

Acute Tox. 4 (Inhalation:dust,mist)

Acute Tox. 4 (Oral)

Acute toxicity (dermal), Category 4

Acute toxicity (inhalation:dust,mist) Category 4

Acute toxicity (oral), Category 4

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| | |
|-------------------|--|
| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT RE 1 | Specific target organ toxicity — Repeated exposure, Category 1 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| 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 |
| H312 | Harmful in contact with skin |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H332 | Harmful if inhaled |
| H335 | May cause respiratory irritation |
| H336 | May cause drowsiness or dizziness |
| H372 | Causes damage to organs through prolonged or repeated exposure |
| H411 | Toxic to aquatic life with long lasting effects |
| H412 | Harmful to aquatic life with long lasting effects |
| EUH044 | Risk of explosion if heated under confinement |
| EUH066 | Repeated exposure may cause skin dryness or cracking |
| R20 | Harmful by inhalation |
| R20/21/22 | Harmful by inhalation, in contact with skin and if swallowed |
| R36/37/38 | Irritating to eyes, respiratory system and skin |
| R44 | Risk of explosion if heated under confinement |
| R48/20 | Harmful: danger of serious damage to health by prolonged exposure through inhalation |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| R65 | Harmful: may cause lung damage if swallowed |
| R66 | Repeated exposure may cause skin dryness or cracking |
| R67 | Vapours may cause drowsiness and dizziness |
| N | Dangerous for the environment |
| Xi | Irritant |
| Xn | Harmful |

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