

DATA SAFETY
according 1907/2006/CE, Article 31

Date of edition: 11.03.2020

Number version 2

Revision: 11.03.2020

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

· **1.1 Product identifier**

· Product Name: **Exel Motor Diesel NG**

· · **1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.**

· Application of the substance / the mixture: diesel engine additive

· **1.3 Details of the supplier of the safety data sheet:**

· Producer / supplier:

· RIVIERA RACING

· 382 Chemin Grange de Capoun

· 06140 COURSEGOULES - France

· Phone +33 4 93 24 22 31

· Fax + 33 4 93 58 59 74

· Mail rivieraracing@free.fr

· **1.4 Emergency telephone number:**

· France: ORFILA number (INRS): +33 (0) 1 45 42 59 59

· Belgium / Luxembourg: (+352) 8002-5500

· Switzerland: 145

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008:**



GHS02

Flam. Liq. 3

H226 Flammable liquid and vapor.



GHS08

Asp. Tox. 1

H304 May be fatal if swallowed and enters airways



GHS09

Aquatic Chronic 2

H411 Toxic to aquatic life with long lasting effects



GHS07

Acute Tox. 4

H302 Harmful if swallowed.

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Acute Tox. 4 H312 Harmful in contact with skin.

Acute Tox. 4 H332 Harmful by inhalation.

· **2.2 Label elements**

· **Labeling according to Regulation (EC) No 1272/2008:**

· **The product is classified and labeled according to the CLP regulation.**

· **Hazard pictograms:**



GHS02 GHS07 GHS08 GHS09

· **Signal word: Danger**

· **Hazard-determining components of labeling:**

· **2- ethylhexyl nitrate**

· **Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics**

· **Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics solvent naphtha (petroleum), heavy aromatic**

· **Hazard statements:**

H226 Flammable liquid and vapor.

H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.

H304 May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

· **Precautionary advice:**

P101 If medical advice is needed, keep the container or label at hand. Keep out of the reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and all other sources of ignition. No smoking.

P233 Keep the container tightly closed.

P273 Avoid release into the environment.

P280 Wear protective gloves / protective clothing / eye protection / face protection.

P301+P310

P303+P361+P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water [or shower].

P304+P340 IF INHALED: transport the person to the outside and keep them in a position where they can breathe comfortably.

P403+P235 Store in a well-ventilated area. Keep cool.

P501 Dispose of contents / container in accordance with local / regional / national / international regulations.

· **2.3 Other hazards:**

· **Results of PBT and vPvB assessment:**

· **PBT: Not applicable.**

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· vPvB: Not applicable.

SECTION 3: Composition / information on ingredients

3.2 Chemical characterization: Mixture

· Description: Preparation: composed of the substances indicated below.

· Composants dangereux:

CAS: 27247-96-7 EINECS: 248-363-6	2-ethylhexyl nitrate ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332	10-30%
Numéro CE: 918-481-9 Reg.nr.: 01-2119457273-39	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics ⚠ Asp. Tox. 1, H304	10-20%
Numéro CE: 920-750-0 Reg.nr.: 01-2119473851-33	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336	20-25%
CAS: 64742-94-5 EINECS: 265-198-5 Numéro index: 649-424-00-3	solvant naphta aromatique lourd (pétrole) ⚠ Asp. Tox. 1, H304	10-20%
CAS: 67-64-1 EINECS: 200-662-2 Numéro index: 606-001-00-8 RTECS: AL 3150000 Reg.nr.: 01-2119471330-49-xxxx	acétone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336 SECTION 3: Composition / information on ingredients	≤2,5%
CAS: 123-92-2 EINECS: 204-662-3 Numéro index: 607-130-00-2 RTECS: NS 9800000	acétate d'isopentyle ⚠ Flam. Liq. 3, H226	≤2,5%
CAS: 101-84-8 EINECS: 202-981-2 RTECS: KN 8970000 Reg.nr.: 01-2119472545-33-XXXX	oxyde de diphenyle ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Eye Irrit. 2, H319	<0,25%

SVHC None

· Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures:

· General remarks:

Symptoms of poisoning may appear after only several hours; medical surveillance is therefore necessary at least 48 hours after an accident.

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- - After inhalation:
 - Provide fresh air. Respiratory assistance if necessary. Keep the patient warm. If symptoms persist, consult a doctor.
 - In the event of unconsciousness, lay and transport the person in a stable lateral position.
- After skin contact: The product does not usually irritate the skin.
- After contact with the eyes:
 - Rinse the eyes under running water for several minutes, keeping the eyelids wide apart.
- - After ingestion:
 - Do not induce vomiting, seek urgent medical assistance.
 - Seek immediate medical attention.
- 4.2 Most important symptoms and effects, both acute and delayed:
 - No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed: No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media: CO₂, sand, dry powder. Do not use water.
- Extinguishing agents which must not be used for safety reasons: High flow water jet
- 5.2 Special hazards arising from the substance or mixture:
 - No further relevant information available.
- 5.3 Advice for firefighters:
 - · Protective equipment: Wear respiratory protection.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:
 - Wear protective equipment. Keep unprotected people away.
- 6.2 Precautions for environmental protection:
 - Do not discharge into the sewer or into the natural environment.
 - In case of entry into water or sewers, notify the competent authorities.
 - Do not discharge into drains, surface water and underground water tables.
- 6.3 Methods and material for containment and cleaning up:
 - Collect the liquids using an absorbent product (sand, kieselguhr, acid neutralizer, universal binder, sawdust).
 - Dispose of contaminated material as waste according to item 13.
 - Provide sufficient ventilation.
 - Do not rinse with water or aqueous cleaning products.
- 6.4 Reference to other sections:
 - For information on safe handling, see chapter 7.
 - For information on personal protective equipment, see chapter 8. For information on disposal, see chapter 13.

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SECTION 7: Handling and storage

- **7.1 Precautions for safe handling: Ensure good ventilation / exhaustion at the workplace. Avoid the formation of aerosols.**
- Information about protection against explosions and fires:**



Protect from sources of ignition - do not smoke.

Keep away from heat.

Take measures against electrostatic charges.

- 7.2 Conditions for safe storage, including any incompatibilities:

Storage:

- Requirements to be met by storerooms and vessels: No special requirements.
- Information about storage in one common storage facility: Not required.

Other information on storage conditions:

Keep packaging hermetically sealed.

Protect from strong heat and direct sunlight.

- 7.3 Specific end use (s): No further relevant information available.

SECTION 8: Exposure controls / personal protection

- **Additional information on the layout of the technical installations: No further information, see point 7.**
- **8.1 Control parameters:**

- **Components with threshold values that require monitoring at the workplace:**

CAS: 67-64-1 acétone (≤2,5%)

VLEP	Momentary value: 2420 mg / m ³ , 1000 ppm Long term value: 1210 mg / m ³ , 500 ppm
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CAS: 123-92-2 acétate d'isopentyle (≤2,5%)

VLEP	Momentary value: 540 mg / m ³ , 100 ppm Long term value: 270 mg / m ³ , 50 ppm
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CAS: 101-84-8 diphenyl oxide(<0,25%)

VLEP	Long term value: 7 mg / m ³ , 1 ppm
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- **DNEL**

CAS: 67-64-1 acétone

Oral	DNEL Public long-term systemic	62 mg/kg bw/d
Dermal	DNEL Public long-term systemic	62 mg/kg bw/d
	DNEL Worker long-term systemic	186 mg/kg bw/d
inhalation	DNEL Public long-term systemic	200 mg/m ³

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	DNEL Worker long-term systemic	1.210 mg/m ³
	DNEL Worker long-term local effects	2.420 mg/m ³
	DNEL Worker acute/short-term local effects	2.420 mg/m ³

· PNEC

CAS: 67-64-1 acétone

PNEC STP	100 mg/L
PNEC aqua (fresh water)	10,6 mg/L
PNEC aqua (intermittent releases)	21 mg/L
PNEC aqua (marine water)	1,06 mg/L
PNEC sediment (fresh water)	30,4 mg/kg
PNEC sediment (marine water)	3,04 mg/kg
PNEC soil	29,5 mg/kg

Additional remarks:

This document is based on the lists in effect at the time of its preparation.

8.2 Exposure controls:

· Personal protective equipment:

General protective and hygienic measures:

Keep away from food, drink and animal feed. Wash hands before breaks and at the end of work.

Avoid contact with eyes and skin.

Respiratory protection:



In case of low or short exposure, use a respiratory filter; in case of intense or long-lasting exposure, use a breathing apparatus independent of the ambient air.

· Hand protection:



Protective gloves

· Glove material: Rubber gloves

· Eye protection



Tightly sealed protective glasses

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties	
· General indications	
· Appearance:	
Shape:	Amber
Color:	Liquid
Odour:	Characteristic
Odor threshold:	Not determined.
· pH value:	Not determined.
· Change of state	
· Melting point / freezing point: Not determined.	
Initial boiling point and boiling range:	180 °C
· Flash point :	34 °C
· Flammability (solid, gas):	Not applicable.
· Auto-ignition temperature:	Not applicable.
· Decomposition temperature:	Not applicable.
· Auto-ignition temperature:	The product does not ignite spontaneously.
· Explosive properties:	The product is not explosive; however, explosive vapor-air mixtures can form.
· Explosion limits:	
Lower:	Not determined.
Superior:	Not determined.
· Vapor pressure:	Not determined.
Density at 20 ° C:	0,893 g/cm ³
Relative density	Not determined.
Vapor density:	Not determined.
Evaporation rate:	Not determined.
· Solubility in / Miscibility with Water:	
Not or not very miscible	
· Partition coefficient: n-octanol / water: Not determined.	
· Viscosity:	
Dynamic:	Not determined.
Cinematic:	Not determined.
· Solvent content:	
VOC (CH):	2,00 %

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· **9.2 Other information:** No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity: No further relevant information available.
- 10.2 Chemical stability:
 - Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions: No dangerous reactions known.
- 10.4 Conditions to avoid: No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity :
Harmful if swallowed, in contact with skin or if inhaled.

· **LD / LC50 values that are relevant for the classification:**

CAS: 27247-96-7 2-ethylhexyl nitrate		
Oral	LD50	500 mg/kg (ATE)
Dermal	LD50	1.100 mg/kg (ATE)
Inhalation	LC50/4 h	11 mg/l (ATE)
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics		
Oral	LD50	>2.000 mg/kg (rat)
Dermal	LD50	>2.000 mg/kg (lapin)
Inhalation	LC50/4 h	>5.000 mg/l (rat)
CAS: 67-64-1 acétone		
Oral	LD50	5.800 mg/kg (rat)
Dermal	LD50	20.000 mg/kg (lapin)
CAS: 123-92-2 acétate d'isopentyle		
Oral	LD50	16.000 mg/kg (rat)
CAS: 101-84-8 oxyde de diphenyle		
Oral	LD50	3.370 mg/kg (rat)
CAS: 5471-51-2 4-(4-hydroxyphenyl)butane-2-one		
Oral	LD50	1.320 mg/kg (rat)
CAS: 97-53-0 eugenol		
Oral	LD50	1.930 mg/kg (rat)
CAS: 4940-11-8 2-ethyl-3-hydroxy-4-pyrone		
Oral	LD50	500 mg/kg (ATE)

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- Primary irritant effect:
- Skin corrosion / irritation
- Based on the available data, the classification criteria are not met.
- Serious eye damage / eye irritation
- Based on the available data, the classification criteria are not met.
- Respiratory or skin sensitization
- Based on the available data, the classification criteria are not met.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity
- Based on the available data, the classification criteria are not met.
- Carcinogenicity
- Based on the available data, the classification criteria are not met.
- Reproductive toxicity
- Based on the available data, the classification criteria are not met.
- Specific target organ toxicity - single exposure
- Based on the available data, the classification criteria are not met.
- Specific target organ toxicity - repeated exposure
- Based on the available data, the classification criteria are not met.
- Aspiration hazard
- May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

· Aquatic toxicity:	
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	
EC50 96h	>100 mg/l (fish)
CAS: 67-64-1 acétone	
LC50 96h	4.740-6.330 mg/l (fish)
EC50 48h	21,6-23,9 mg/l (Crustaceans)

- · 12.2 Persistence and degradability: No further relevant information available.
- · 12.3 Bioaccumulative potential: No further relevant information available.
- · 12.4 Mobility in soil: No further relevant information available.
- Ecotoxic effects:
- · Note: Toxic to fish.
- · Other ecological information:
- General indications:
- Water pollution category 2 (D) (Self-assessment): pollutant



Do not allow to penetrate into the water table, water or pipes.

Danger to drinking water if a small quantity leaks into the basement. In waters, also toxic to fish and plankton.

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- Toxic to aquatic organisms.
- 12.5 Results of PBT and vPvB assessment
 - PBT: Not applicable.
 - VPvB: Not applicable.
- 12.6 Other adverse effects: No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

Recommendation:



Should not be disposed together with household waste. Do not allow to enter drains.

· **European waste catalog**

HP3	Inflammable
HP6	acute toxicity
HP14	Ecotoxic

- Uncleaned packaging
- Recommendation: Disposal in accordance with legal requirements.

SECTION 14: Transport information

· **14.1 Number ONU**

· **ADR, IMDG, IATA**

UN1993

· **14.2 proper shipping name of ONU**

· **ADR**

UN1993 FLAMMABLE LIQUID, NOS (Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, 2-ethylhexyl nitrate, ACETONE), DANGEROUS FOR THE ENVIRONMENT FLAMMABLE LIQUID, NOS

· **IMDG**

(Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, 2-ethylhexyl nitrate, ACETONE, diphenyl ether), MARINE POLLUTANT

· **IATA**

FLAMMABLE LIQUID, N.O.S. (containing Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, 2-ethylhexyl nitrate, ACETONE)

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<p>· 14.3 Transport hazard class (es)</p> <p>· ADR</p> <div style="display: flex; align-items: center; gap: 10px;">   </div> <p>Class 3 (F1) Flammable liquids. Label 3</p>	
<p>· IMDG</p> <div style="display: flex; align-items: center; gap: 10px;">   </div> <p>· Class 3 Flammable liquids. · Label 3</p>	
<p>· IATA</p> <div style="display: flex; align-items: center; gap: 10px;">  </div> <p>· Class 3 Flammable liquids. · Label 3</p>	
<p>· 14.4 Packing group III · ADR, IMDG, IATA</p>	
<p>Packing group 14.5 Environmental hazards: Marine pollutant: Special marking (ADR):</p>	<p>The product contains environmentally hazardous materials: 2-ethylhexyl nitrate No Symbol (fish and tree) Symbol (fish and tree)</p>
<p>14.6 Special precautions for user Danger code: EMS No: Stowage Category</p>	<p>Caution: Flammable liquids. 30 F-E,<u>S-E</u> A</p>
<p>· 14.7 Transport in bulk according to Annex II of the Marpol Convention and the IBC Code Not applicable.</p>	
<p>· Additional transport information:</p>	
<p>ADR Limited quantities (LQ) Excepted quantities (EQ)</p>	<p>5L Code: E1 Maximum net quantity per inner packaging: 30</p>

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<p>·</p> <p>Transport category</p> <p>Tunnel restriction code</p>	<p>ml</p> <p>Maximum net quantity per outer packaging: 1000 ml</p> <p>3</p> <p>D/E</p>
<p>· IMDG</p> <p>· Limited quantities (LQ)</p> <p>· Excepted quantities (EQ)</p>	<p>5L</p> <p>Code: E1</p> <p>Maximum net quantity per inner packaging: 30 ml</p> <p>Maximum net quantity per outer packaging: 1000 ml</p>
<p>· "Model regulations" de l'ONU:</p>	<p>UN 1993 FLAMMABLE LIQUID, N.S.A. (HYDROCARBONS, C7-C9, N-ALKANES, ISOALKANES, CYCLICS, 2-ETHYLHEXYL NITRATE, ACÉTONE), 3, III, DANGEROUS FOR THE ENVIRONMENT</p>

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture
Directive 2012/18 / EU

· Designated dangerous substances - ANNEX I None of the ingredients are listed.

Category SEVESO

E2 Danger to the aquatic environment

P5c FLAMMABLE LIQUIDS

Threshold quantity (tonnes) for the application of the low threshold requirements 200 t

Threshold quantity (tonnes) for the application of the requirements relating to the high threshold 500 t

· REGULATION (EC) N ° 1907/2006 ANNEX XVII Limitation conditions: 3

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These indications are based on the current state of our knowledge, but do not constitute a guarantee as to the properties of the product and do not give rise to a contractual legal relationship.

· Wording of the risk phrases mentioned in paragraph 3:

· H225 Highly flammable liquid and vapor.

· H226 Flammable liquid and vapor.

· H302 Harmful if swallowed.

· H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin.

· H319 Causes serious eye irritation.

· H332 Harmful by inhalation.

· H336 May cause drowsiness or dizziness.

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H400 Very toxic to aquatic organisms.

H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.

Classification according to Regulation (EC) No 1272/2008	
Flammable liquids	Extrapolation rules
Acute toxicity - oral Acute toxicity - dermal Acute toxicity - inhalation Hazardous to the aquatic environment - long-term (chronic) hazard to the aquatic environment	The classification of the mixture is generally based on the calculation method using the substance data according to Regulation (EC) No 1272/2008.
Aspiration hazard	Expert judgment

- Acronyms and abbreviations:
- ADR: European Agreement on the Transport of Dangerous Goods by Road
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 2: Flammable liquids - Category 2
- Flam. Liq. 3: Flammable liquids - Category 3
- Acute Tox. 4: Acute toxicity - oral route - Category 4
- Eye Irrit. 2: Serious eye damage / eye irritation - Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) - Category 3
- Asp. Tox. 1: Aspiration hazard - Category 1
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic toxicity - Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment - long-term toxicity to the aquatic environment - Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term toxicity to the aquatic environment - Category 2