

Sicherheitsdatenblatt gemäß Verordnung (EG) 2015/830

Version 2.1, Datum: 25.06.2024

Vorherige Version: 2.0.; 21.06.2021

Erste Version: 16.08.2018

Druckdatum: 25.06.2024

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Trade Name	Diesel Additive
Supplier	Wagner Spezialschmierstoffe GmbH & Co. KG Speckbrodi 8, D – 86759 Wechingen Tel. +49 (0)9085-96009-0 E-mail: wagner@wagner-german-oil.com www.wagner-german-oil.com
Responsible Division	Product Safety Tel. +49 9085-96009-10
Emergency Telephone	Tel. +49 (0)9085 96009-0 (8:30 - 16:30) (Deutschland)
Information Centre Specialising in	+43 1 406 43 43 (Österreich)
Symptoms of Poisoning	

1.1 Relevant identified uses of the substance or mixture and uses advised against

Use: Fuel additive

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification of the substance/mixture

Asp. Tox. 1; H304 / Acute Tox. 4; H302 / Aquatic Chronic 2; H411

2.2 Label elements

Classification according to 1272/2008/EC: Yes.

Applicable Exemptions: No.

Signal word(s): Danger

Component(s): contains: Solvent naphtha heavy arom.
2-Ethylhexyl nitrate

H - Phrases:

H304: May be fatal if swallowed and enters airways.

H302: Harmful if swallowed.

H411: Toxic to aquatic life with long lasting effects.

P - Phrases:

P102: Keep out of reach of children.

P101: If medical advice is needed, have product container or label at hand.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P262: Do not get in eyes, on skin, or on clothing.

P233: Keep container tightly closed.

P308+P312: IF exposed or concerned: Call a POISON CENTER or doctor/physician if you feel unwell.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P310: Immediately call a POISON CENTER or doctor/physician.

P273: Avoid release to the environment.

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

P 501: Dispose of contents/container at hazardous or special waste collection point.

Additional Markings:

Tactile warning of danger, child resistant fastenings.

The above-mentioned labelling is valid for distribution to private consumer/industrial user.

2.3 Other hazards

This mixture contains no substances which are assessed to be PBT or vPvB. In use, may form flammable/explosive vapour-air mixture. If exposed to high temperatures, container may burst.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

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3.2 Mixtures

Chemical characterization: Mixture on mineral oil basis.

Dangerous Ingredients:

Hazard pictograms:



Material	CAS - No.	Index - No.	EEC - No.	REACH-No.	Symbol/H-phrases	m% - range
2-Ethylhexyl nitrate	27247-96-7	n.av.	248-363-6	01-2119539586-27-xxxx	Acute Tox. 4; H302 / Acute Tox. 4; H332 / Acute Tox. 4; H312 / Aquatic Chronic 2; H411 / EUH044 / EUH066	30 - 50%
Solvent naphtha (mineral oil), heavy arom.; kerosene not specified	64742-94-5	649-424-00-3	265-198-5	n.av.	Asp. Tox. 1; H304	30 - 40%
1,2,4-trimethylbenzene	95-63-6	601-043-00-3	202-436-9	01-2119472135-42-xxxx	Flam. Liq. 3; H226 / Acute Tox. 4; H332 / Eye Irrit. 2; H319 / STOT SE 3; H335 / Skin Irrit. 2; H315 / Aquatic Chronic 2; H411	1 - 5%
Distillates (mineral oil), hydrotreated light	64742-47-8	(649-422-00-2)	265-149-8	n.av.	Asp. Tox. 1; H304	5 - 15%
Naphtha	91-20-3	601-052-00-2	202-049-5	n.av.	Carc. 2; H351 / Acute Tox. 4 *; H302 / Aquatic Acute 1; H400 / Aquatic Chronic 1; H410	0,1 - 1%
Phenol, 4-dodecyl, branched [4]	210555-94-5[4]	604-092-00-9	-	n.v.	Repr. 1B; H360F / Skin Corr. 1C; H314 / Eye Dam. 1; H318 / Aquatic Acute 1; H400; M=10 / Aquatic Chronic 1; H410; M=10	0,1 – 0,3%
Hydrocarbons, C11-C13, isoalkanes, <2% aromates	246538-78-3	n.av.	920-901-0	n.av.	Asp. Tox. 1; H304 / EUH066	5 – 10%
C11-12-Isoalkane	246538-76-1	n.av.	918-167-1	n.av.	Flam. Liq. 3; H226 / Asp. Tox. 1; H304	5 - 15%
Organometallic iron compound	n.av.	n.av.	479-710-1	01-2119971580-35-xxxx	STOT RE 2; H373 / Aquatic Chronic 4; H413	1 – 5%

Text of R-/H- phrases: see section 16

m% - range: x – y ≙ x ≥ – < y

4. FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1 Inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products. If symptoms persist, call a physician.

4.1.2 Skin Contact

Wash off with warm water and soap. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.

4.1.3 Eye Contact

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

4.1.4 Ingestion

Call a physician immediately. Do not induce vomiting. Rinse mouth.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms of overexposure may be headache, dizziness, tiredness, palpitation, low blood pressure, nausea and vomiting. Aspiration may cause pulmonary oedema and pneumonitis. Continuous exposure may cause skin dryness and dermatitis.

4.3 Indication of any immediate medical attention and special treatment needed

Smallest quantities reaching the lungs through swallowing or subsequent vomiting may result in lung oedema or pneumonia. Subsequent monitoring for pneumonia and lung oedema. Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

5.1.1 Suitable Extinguishing Media

Use dry chemical, CO₂, water spray or "alcohol" foam.

5.1.2 Extinguishing Media to Avoid

High volume water jet.

5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon oxides, nitrogen oxides (NO_x).
Risk of explosion if heated under confinement. Risk of receptacle bursting.

5.3 Advice for firefighters

5.3.1 Special Protective Equipment

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

5.3.2 Additional Information

In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

See chapter 8.2.2

Contaminated surfaces will be extremely slippery. Keep away from ignition source – Do not smoke.

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Prevent spreading over a wide area (e.g. by containment or oil barriers). Soak up with oil absorbent material. Shovel into suitable container for disposal.

6.4 Reference to other sections

None.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

7.1.1 Precautions for Safe Handling

Avoid contact with skin and eyes. Remove and wash contaminated clothing before re-use. When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Do not port contaminated cleaning rags in pockets.
Contaminated equipment (brushes, rags) must be cleaned immediately with water. Do not breathe vapours or spray mist.

7.1.2 Precautions in Case of Fire and Explosion

Keep away from sources of ignition - No smoking. Do not use sparking tools. Take measures to prevent the build-up of electrostatic charge. Do not burn, or use a cutting torch on, the empty drum. Risk of explosion if heated under confinement.

7.2 Conditions for safe storage, including any incompatibilities

7.2.1 Storage Instructions

Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container.
Keep away from heat. Keep away from direct sunlight. Do not store at temperatures over 60°C.

7.2.2 Store away from

Do not store together with oxidizing agents, strong acids and strong bases.

7.2.3 Further Information on Storage Conditions

Avoid subsoil penetration.

7.3 Specific end use(s)

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Material	Limit Value
1,2,4-trimethylbenzene	MAC: 20 ppm 100 mg/m ³ , TWA: 20 ppm 100 mg/m ³
Naphta	MAC: 0.1 ppm 0.5 E mg/m ³

MAC are taken from TRGS 900.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide appropriate exhaust ventilation at machinery.

8.2.2 Individual protection measures

Respiratory Protection:	Breathing apparatus needed only when aerosol or mist is formed. Respirator with filter A2, A2P2, ABEK.
Hand Protection:	Use protective skin cream before handling the product. Solvent-resistant gloves: nitrile rubber (0.4 mm), viton (0.4 mm). Break through time > 8 h. As the product is a preparation of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
Eye Protection:	Safety glasses
Skin Protection:	Long sleeved clothing.
Further Information:	Observe wearing time limits.

8.2.3 Environmental exposure controls

Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form	viscous liquid
Colour	yellow brown
Odour	characteristic
Odour threshold	n.av.
pH-value, undiluted	n.ap.
pH-value, 1% aqueous solution	n.ap.
Boiling point / Boiling range (°C)	n.av.
Flash point (°C)	65, closed cup
Flammability (EEC A10/A13)	n.av.
Ignition temperature (°C)	n.av.
Autoflammability (EEC A16)	None.
Oxidising properties	None
Explosion hazard	None
Explosion limits (Vol.%)	
lower	n.av.
upper	n.av.
Vapour pressure/Vapour density (Air = 1)	n.av./n.av.
Density (g/ml)	0,943
Solubility in water	insoluble
Soluble in	Miscible in most organic solvents.
Partition coefficient, n-Octanol / Water	n.av.
Viscosity	7,626 mm ² /s (40°C)
Solvent content (m%)	Not relevant
Thermal decomposition (°C)	n.av.
Evaporation rate	n.av.

9.2 Other information

n.av.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Risk of explosion if heated under confinement.

10.4 Conditions to avoid

Protect from frost, heat and sunlight. Keep away from heat and ignition sources.

10.5 Incompatible materials

Incompatible with strong acids and bases, oxidizing agents.

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed. To avoid thermal decomposition, do not overheat.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Substances:	n.ap.
Mixtures	
Acute Toxicity	
Inhalation:	ATEmix: 26,35 mg / l
Ingestion:	ATEmix: 1250 mg / kg
Skin Contact:	ATEmix: 2750 mg / kg
Irritation / corrosion to skin:	low
Serious eye damage/irritation:	low
Sensitisation respiratory system/skin:	n.av.
Carcinogenicity:	n.av.
Toxic to reproduction	n.av.
Specific Target Organ Systemic Toxicity (single exposure)	n.av.
Specific Target Organ Systemic Toxicity (repeated exposure)	n.av.
Aspiration hazard	May be fatal if swallowed and enters airways.

Practical Experience:

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11.2 Practical Experience

Observations relevant for classification: Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Further observations: None.

Classification of the preparation has been done by calculation in accordance with EEC directives.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

We have no quantitative data concerning the ecological effects of this product.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2-Ethylhexyl nitrate : EC50/48 h./daphnia > 12.6 mg / l
EC50/72 h./alga = 3.22 mg / l
LC50 (96 h) acute fish toxicity = 2 mg / l

12.2 Persistence and degradability

No data available for the product itself.

Ethylhexyl nitrate : Not readily biodegradable.

12.3 Bioaccumulative potential

-Ethylhexyl nitrate : bioaccumulation

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12.4 Mobility in soil

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12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria.

12.6 Other adverse effects

Not applicable.

13. DISPOSAL CONSIDERATIONS

13.1 Recommendation

Waste - Code - No.

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

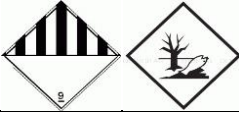
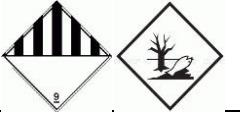
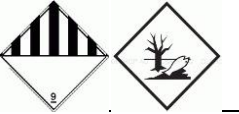
In addition, comply with the regional authorities.

13.2 Contaminated Packaging

Recommendation: Wash with suitable cleaner. Otherwise as described under Residues.

Safe Handling: As described under Residues.

14. TRANSPORT INFORMATION

14.1	ADR UN Number	IMDG	IATA
	3082	3082	3082
14.2	UN proper shipping name		
	UN 3082 Environmentally hazardous substance liquid, n.o.s. (Contains 2-Ethylhexyl nitrate, Phenol, 4-Dodecyl-, branched)	Environmentally hazardous substance liquid, n.o.s. (Contains 2-Ethylhexyl nitrate, Phenol, 4-Dodecyl-, branched) MARINE POLLUTANT	Environmentally hazardous substance liquid, n.o.s. (Contains 2-Ethylhexyl nitrate, Phenol, 4-Dodecyl-, branched)
14.3	Transport hazard class(es)		
	9 	9 	9 
14.4	Packing group		
	III	III	III
14.5	Environmental hazards		
	Yes.		
14.6	Special precautions for user		
	Transport-category: 3 Classification Code: M6 Hazard - No.: 90 LQ: 5 L	F-A, S-F	Packing Instructions (Passenger) 964 Packing Instructions (Cargo) 964
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code		
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15. REGULATORY INFORMATION

15.1.1 Information about limitation of use

Employment restrictions concerning young persons must be observed.

Employment restrictions concerning women of child-bearing age must be observed.

15.1.2 Observe retention obligation according to § 8 (6) Ordinance on Hazardous Substances

Yes.

15.1.3 Decree to be applied in case of technical fault

Yes.

15.1.4 Technical instructions air

Class	Digit	Range m%
II	5.2.5	1-3%

15.1.5 Water hazard class

2; assessment according to AwSV (Classification of substances hazardous to waters)

15.1.6 Storage class

10

15.1.7 Observe regulations of TRGS 510

No.

15.1.8 Observe regulations of TRG 300

No.

15.1.9 Observe regulations of WRMG

No.

15.1.10 Observe other regulations

Waste Oils Regulation

15.2 Chemical safety assessment

None.

16. OTHER INFORMATION

H phrases mentioned in Section 3

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

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.

H413: May cause long lasting harmful effects to aquatic life.

H413: May cause long lasting harmful effects to aquatic life.

H336: May cause drowsiness or dizziness.

H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H360F: May damage fertility.

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

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.

H413: May cause long lasting harmful effects to aquatic life.

This datasheet has been compiled in accordance with EU regulation 2015/830.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

Issued by

Product Safety Division

Issued on

August 16, 2018