

PP-Performance+

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

Trade Name	Fuel Additive Octane Booster
Supplier	PP-Performance GmbH Wilhelm-Frank-Str. 78, D – 97980 Bad Mergentheim Tel. +49 7931 9239600 E-mail: sales@pp-performanceplus.com www.pp-performance.de
Responsible Division	Product Safety Tel. +49 7931 9239600
Emergency Telephone	Tel. +49 7931 9239600
Information Centre Specializing in Symptoms of Poisoning	Tel. +44 870 600 6266

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

Asp. Tox. 1; H304 / Aquatic Chronic 3; H412

2.2 Label elements

Classification according to 1272/2008/EC: Yes.
Applicable Exemptions: No.
Signal word(s): Danger
Component(s): contains, Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

Hazard pictograms:



H - Phrases:

H304: May be fatal if swallowed and enters airways.
H412: Harmful to aquatic life with long lasting effects.

P - Phrases:

P102: Keep out of reach of children.
P405: Store locked up.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P310: Immediately call a POISON CENTER/doctor.
P260: Do not breathe vapours.
P308+P312: IF exposed or concerned: Call a POISON CENTER/doctor if you feel unwell.
P501: Dispose of contents/container to special waste collection point.
P273: Avoid release to the environment.

Additional Markings

EUH066: Repeated exposure may cause skin dryness or cracking.

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

2.3 Other hazards

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.
This mixture contains no substances which are assessed to be PBT or vPvB.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

n.av.

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3.2 Mixtures

Chemical Characterization: Mixture on mineral oil basis.

Dangerous ingredients

Material	CAS - No.	Index - No.	EEC - No.	REACH-No.	Symbol/H-phrases	m% - range
Solvent naphtha (petroleum), heavy arom.	64742-94-5	(649-424-00-3)	265-198-5	n.av.	Aquatic Chronic 2; H411 / Asp. Tox. 1; H304 / STOT SE 3; H336	1 – 5%
Distillates (petroleum), hydrotreated light	64742-47-8	(649-422-00-2)	265-149-8	n.av.	Asp. Tox. 1; H304	1 - 5%
Potassium 1,2-bis(2-ethylhexyloxy)ethane sulphate	7491-09-0	n.ap.	231-308-5	n.av.	Asp. Tox. 1; H304	1 - 3%
Distillates (petroleum), hydrotreated light	64742-47-8	649-422-00-2	265-149-8	n.av.	Carc. 2; H351 / Acute Tox. 4; H302 / Aquatic Acute 1; H400 / Aquatic Chronic 1; H410	1 - 3%
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	246538-78-3	n.ap.	920-901-0	n.av.	H304 / EUH066 Asp. Tox. 1; H304	1 – 5%
(2-Methoxymethylethoxy)propanol	34590-94-8	n.ap.	252-104-2	01-2119450011-60-xxxx	n.a.	35 - 50%
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	n.v.	n.ap.	918-167-1	01-2119472146-39-xxxx	Flam. Liq. 3; H226 / Asp. Tox. 1; H304 / Aquatic Chronic 4; H412 / EUH066	40 – 50%

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

m%-range: $x - y \leq x \leq - < y$

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 vapors 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 symptoms persist, call a physician.

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, nausea, palpitation, lowered blood pressure and vomiting. Aspiration may cause pulmonary oedema and pneumonitis. Prolonged skin contact may defat the skin and produce 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. Later control for pneumonia and lung oedema. Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

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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. At high temperatures: 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 vapors or spray mist. Avoid formation of aerosol.

7.1.2 Precautions in Case of Fire and Explosion

Keep away from sources of ignition - No smoking. Take measures to prevent the build-up of electrostatic charge. Do not burn, or use a cutting torch on, the empty drum.

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.

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. Provide adequate ventilation.

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7.3 Specific end use(s)

n.av.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Material	Limit Value
(2-Methoxymethylethoxy)propanol	50 ppm 310 mg/m ³ , TWA: 50 ppm 308 mg/m ³

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.
Protective gloves complying with EN 374.
Nitrile rubber (0,4 mm), Viton (0,4 mm) break through time > 8 h
The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Eye Protection

In case of contact through splashing: 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	liquid
Colour	red
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.
Melting point / Melting range (°C)	n.av.
Flash point (°C)	76, 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.
Vapor pressure/Vapor density (Air = 1)	n.av./n.av.
Density (g/ml)	0,84
Solubility in water	immiscible
Soluble in	Miscible with most organic solvents
Partition coefficient, n-Octanol / Water	n.av.
Viscosity	2.7 mm ² /s (20°C)

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Solvent content (m%)	n.ap.
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

At high temperatures: Risk of explosion if heated under confinement. In use, may form flammable/explosive vapour-air mixture.

10.4 Conditions to avoid

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

10.5 Incompatible materials

Incompatible with strong acids and bases. Incompatible with 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

Acute Toxicity

Inhalation	n.av.
Ingestion	n.av.
Skin Contact:	n.av.
Irritation / corrosion (to skin)	Slight
Serious eye damage/irritation	Slight
Sensitization respiratory system/skin	None
Mutagenicity	n.av.
Carcinogenicity	n.av.
Toxic to reproduction	n.av.
Specific Target Organ Systemic Toxicity (single exposure)	n.av.
Aspiration hazard	May be fatal if swallowed and enters airways.

Practical Experience

n.av.

11.2 Practical Experience

Observations relevant for classification

Repeated exposure may cause skin dryness or cracking.

Further observations

None.

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

12. ECOLOGICAL INFORMATION

12.1 Toxicity

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

12.2 Persistence and degradability

No data available for the product itself.

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics: Not readily biodegradable (31,3% after 28 days).

Inherently biodegradable.

12.3 Bio accumulative potential

n.av.

12.4 Mobility in soil

n.av.

12.5 Results of PBT and vPvB assessment

This mixture contains no substances which are assessed to be PBT or vPvB.

12.6 Other adverse effects

COD-Value, mg/g n.av.

BOD5-Value, mg/g n.av.

AOX-Remarks Not applicable

Significant Components Hydrocarbons

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
	No dangerous goods in the sense of the above-mentioned regulation.		
14.2.	UN proper shipping name		
14.3	Transport hazard class(es)		
14.4	Packing group		
14.5	Environmental hazards		
14.6	Special precautions for user		
	Transport-category: Classification Code: Hazard - No.: LQ:		Packing Instructions (Passenger) Packing Instructions (Cargo)
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code		

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

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15.2 Chemical safety assessment n.ap.

16. OTHER INFORMATION

H – phrases from chapter 3

EUH066: Repeated exposure may cause skin dryness or cracking.

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H411: Toxic 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.

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Product Safety Division

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