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Danger



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

1.1. Product identifier

Identification of the product : Miscellaneous fuel additive.
Multicomponent liquid.

Trade name : CETANE BOOSTER

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

See product bulletin for detailed information.

1.3. Details of the supplier of the safety data sheet

Producer/Manufacturer : SADAPS BARDAHL Additives & Lubricants
ZI TOURNAI OUEST 2
RUE DU MONT DES CARLIERS, 3
7522 TOURNAI Belgique-Belgie
TEL : +32 (0).69.59.03.60
FAX : +32 (0).69.59.03.61
MAIL : bardahl@bardahlfrance.com

1.4. Emergency telephone number

+32 (0)70.245.245

SECTION 2 Hazards identification

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

: R44
Xn; R65
R66
R52/53

Text of R-Phrases : : SECTION 16

Hazard Class and Category Code Regulation EC 1272/2008 (CLP)

- Health hazards : Aspiration hazard - Category 1 - Danger (CLP : Asp. Tox. 1)
- Supplemental hazard information : EUH044 - Risk of explosion if heated under confinement.
EUH066 - Repeated exposure may cause skin dryness or cracking.
- Environmental hazards : Hazardous to the aquatic environment - Chronic hazard - Category 3 (CLP : Aquatic Chronic 3)

Text of H-Phrases : : SECTION 16


2.2. Label elements

Labelling Regulation EC 1272/2008 (CLP)

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SECTION 2 Hazards identification (continued)

• Hazard pictograms



- Hazard pictograms code : SGH08
- Signal words : Danger
- Hazard statements : H304 - May be fatal if swallowed and enters airways.
H412 - Harmful to aquatic life with long lasting effects.
- Supplemental hazard information : EUH044 - Risk of explosion if heated under confinement.
EUH066 - Repeated exposure may cause skin dryness or cracking.
- Precautionary statements
 - General : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
 - Prevention : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 - Do not breathe vapours.
P262 - Do not get in eyes, on skin, or on clothing.
P273 - Avoid release to the environment.
 - Response : P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 - Do NOT induce vomiting.
 - Storage : P405 - Store locked up.
 - Disposal considerations : P501 - Dispose of contents/container in accordance with local regulations.
- Contains : Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

2.3. Other hazards

None under normal conditions.

SECTION 3 Identification of the substance/mixture and of the company/undertaking

Substance name	Contents	CAS No	EC No	Annex No	REACH	Classification
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	> 50 %	64742-48-9	918-481-9	----	01-2119457273-39-XXXX	Rn; R65 R66 ----- Asp. Tox 1 (H304) (EUH066)
2-Ethyl hexyl nitrate	< 15 %	27247-96-7	248-363-6	----	01-2119539586-27-XXXX	R44 Xn; R20/21/22 R66 N; R51-53 ----- Acute Tox. 4 (H312) Acute Tox. 4 (H332) Acute Tox. 4 (H302) Aquatic Chronic 2 (H411)

SECTION 4. First aid measures

4.1. Description of first aid measures


First aid measures

- Inhalation : Assure fresh air breathing.
- Skin contact : Wash skin thoroughly with mild soap and water.
- Eye contact : Rinse immediately with plenty of water.
- Ingestion : DO NOT INDUCE VOMITING.
If swallowed seek medical advice immediately and show this container or label.

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SECTION 4. First aid measures (continued)

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

- Inhalation : Inhalation of vapours may cause respiratory irritation.
- Skin contact : Repeated exposure may cause skin dryness or cracking.
- Eye contact : Direct contact with the eyes is likely irritating.
- Ingestion : May be fatal if swallowed and enters airways.

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

Treat symptomatically.

SECTION 5. Fire-fighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide.
Powder.
Water spray.
Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Incomplete combustion will generate poisonous carbon monoxide, carbon dioxide and other toxic gases.

5.3. Advice for fire-fighters

Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Keep public away from danger area. Equip cleanup crew with proper protection.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Clean up methods

- on soil : Clean up any spills as soon as possible, using an absorbent material to collect it.
- on water : Take up large spills with pump or vacuum.

6.4. Reference to other sections

No data available.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

- General** : When using, do not eat, drink or smoke. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Take off immediately all contaminated clothing.

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SECTION 7. Handling and storage (continued)

Handling : No smoking. Do not breathe gas, fumes, vapour or spray. Wear suitable protective clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Store in dry, cool, well-ventilated area. Keep in original containers.

Storage life : 3 years.

7.3. Specific end use(s)

No data available.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits : Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics : VME [mg/m³] : 1200
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics : VME [ppm] : 184
2-Ethyl hexyl nitrate : TLV[©] -STEL [ppm] : 1
2-Ethyl hexyl nitrate : TLV[©] -TWA [ppm] : 1

8.2. Exposure controls


Personal protection

- **Eye protection** : Avoid contact with eyes.
- **Skin protection** : Wear suitable protective clothing.
- **Hand protection** : In case of repeated or prolonged contact wear gloves.(EN374)
- **Respiratory protection** : Where excessive vapour may result, wear approved mask.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state at 20 °C : Liquid.
Colour : Characteristic.
Odour : Hydrocarbon.
• **Odour threshold** : No data available.
• **pH** : Not applicable.
• **Melting point / Freezing point** : No data available.
• **Initial boiling point - boiling range [°C]** : No data available.
Final boiling point [°C] : No data available.
• **Flash point [°C]** : > 61
• **Evaporation rate** : No data available.
• **Flammability** : No data available.
• **Explosion limits (lower - upper)** : No data available.
• **Vapour pressure** : No data available.
• **Vapour density** : No data available.
• **Relative density** : 0.8 - 0.81

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SECTION 9. Physical and chemical properties (continued)

- **Solubility** : Material insoluble in water.
- **Partition coefficient : n-octanol / water** : No data available.
- **Auto-ignition temperature** : > 200
- **Thermal decomposition** : No data available.
- **Viscosity** : No data available.
- **Explosive Properties** : No data available.
- **Oxidising properties** : No data available.

9.2. Other information

- Other data** : No data available.

SECTION 10. Stability and reactivity

10.1. Reactivity

Stable.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

Conditions to avoid : Open flame. Sparks. Heat.

10.5. Incompatible materials

Materials to avoid : Strong oxidizers.

10.6. Hazardous decomposition products

Hazardous decomposition products : Hydrocarbon. Carbon monoxide. Carbon dioxide.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

SECTION 1

Refer to Summary of hazards

SECTION 12. Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

12.2. Persistence - degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

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SECTION 12. Ecological information (continued)

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

SECTION 14. Transport information

14.1. UN Number

Unregulated.

14.2. Proper shipping name

Unregulated.

14.3. Transport Hazard Classification

Unregulated.

14.4. Packing group

Unregulated.

14.5. Environmental hazards

In case of spillage and/or leakage : Clean up even minor leaks or spills if possible without unnecessary risk.

14.6. Special precautions for user

Emergency action in case of accident : NOTIFY POLICE AND FIRE BRIGADE IMMEDIATELY.

Keep public away from danger area.
Mark roads and warns other road users.
No naked lights. No smoking.
Stop the engine.

14.7. Bulk transport - annex II Marpol 73/78 - IBC

No data available.

SECTION 15. Regulatory information

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

Ensure all national/local regulations are observed.

: Table RG 84: Diseases caused by organic solvents liquid for professional use. (FRANCE)

15.2. Chemical Safety Assessment

No data available.

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SECTION 16. Other information

Text of H-Phrases :	: EUH066 - Repeated exposure may cause skin dryness or cracking. H302 - Harmful if swallowed. H304 - May be fatal if swallowed and enters airways. H312 - Harmful in contact with skin. H332 - Harmful if inhaled. H411 - Toxic to aquatic life with long lasting effects.
Text of R-Phrases :	: R20/21/22 : Harmful by inhalation, in contact with skin and if swallowed. R44 : Risk of explosion if heated under confinement. 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.
Recommended uses and restrictions	: See product bulletin for detailed information.
Further information	: Label : 735 230 R1 Safety data sheet available for professional user on request.
Print date	: 21 / 4 / 2015

The contents and format of this SDS are in accordance with Regulation (EC) N° 453/2010 of the European Parliament and of the Council.

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