



SAFETY DATA SHEET

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OCTANE BOOSTER BARD AHL

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3 : Flammable liquid.

Danger



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

1.1. Product identifier

Identification of the product : Multicomponent liquid.
Trade name : OCTANE BOOSTER BARD AHL

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 BARD AHL 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

: 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)
Repeated exposure may cause skin dryness or cracking.
- **Physical hazards** : Flammable liquids - Category 3 - Warning (CLP : Flam. Liq. 3)
- **Environmental hazards** : Hazardous to the aquatic environment - Chronic hazard - Category 3 (CLP : Aquatic Chronic 3)

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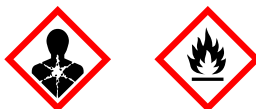
SECTION 2 Hazards identification (continued)

Text of H-Phrases : SECTION 16

2.2. Label elements

Labelling Regulation EC 1272/2008 (CLP)

• Hazard pictograms



- Hazard pictograms code : SGH08 - SGH02
- Signal words : Danger
- Hazard statements : H226 - Flammable liquid and vapour.
H304 - May be fatal if swallowed and enters airways.
H412 - Harmful to aquatic life with long lasting effects.
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.
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	Xn; R65 R66 ----- Asp. Tox 1 (H304) (EUH066)
Naphta heavy (low boiling point hydrogen treated)	< 25 %	64742-82-1	265-185-4	----	----	R10 Xn; R65 R66 ----- Asp. Tox 1 (H304) Flam. Liq. 3 (H226)
Solvent naphtha (petroleum), heavy aromatic	< 1 %	64742-94-5	265-198-5	649-424-00-3	----	Xn; R65 R66 R67 N; R51-53 ----- Asp. Tox 1 (H304) STOT SE 3 (H336) Aquatic Chronic 2 (H411)
Méthylcyclopentadienyl manganèse tricarbonyl	< 1 %	12108-13-3	235-166-5	----	01-2119495971-23	T+; R26 T; R24/25 Xi; R38 N; R50-53 ----- Acute Tox. 2 (H310) Acute Tox. 1 (H330) Acute Tox. 3 (H301) STOT RE 1 (H372) Skin Irrit. 2 (H315) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)

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SECTION 3 Identification of the substance/mixture and of the company/undertaking (continued)

Substance name	Contents	CAS No	EC No	Annex No	REACH	Classification
Hydrocarbon-solvents (Aromatic) :	< 0.5 %	64742-95-6	265-199-0	----	----	R10 Xn; R65 R66 R67 Xi; R37 N; R51-53 ----- Asp. Tox 1 (H304) Flam. Liq. 3 (H226) STOT SE 3 (H335) STOT SE 3 (H336) Aquatic Chronic 2 (H411)
1,2,4-trimethylbenzene :	< 0.5 %	95-63-6	202-436-9	601-043-00-3	----	R10 Xn; R20 Xi; R36/37/38 N; R51-53 ----- Flam. Liq. 3 (H226) Acute Tox. 4 (H332) Eye Irrit. 2 (H319) Skin Irrit. 2 (H315) STOT SE 3 (H335) 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 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Ingestion : DO NOT INDUCE VOMITING. If swallowed seek medical advice immediately and show this container or label.

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.

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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.

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
Solvent naphtha (petroleum), heavy aromatic : TLV[©] -TWA [mg/m³] : 2000
Solvent naphtha (petroleum), heavy aromatic : TLV[©] -TWA [ppm] : 500
Hydrocarbon-solvents (Aromatic) : TLV[©] -TWA [mg/m³] : 2000
Hydrocarbon-solvents (Aromatic) : TLV[©] -TWA [ppm] : 500
1,2,4-trimethylbenzene : TLV[©] -TWA [mg/m³] : 125
1,2,4-trimethylbenzene : TLV[©] -TWA [ppm] : 25
1,2,4-trimethylbenzene : VME [ppm] : 20
1,2,4-trimethylbenzene : VME [mg/m³] : 100
Naphthalene : TLV[©] -TWA [mg/m³] : 52
Naphthalene : TLV[©] -TWA [ppm] : 10
Naphthalene : TLV[©] -STEL [mg/m³] : 79
Naphthalene : TLV[©] -STEL [ppm] : 15
Naphthalene : VME [ppm] : 10

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SECTION 8. Exposure controls/personal protection (continued)

Mesitylene : VME [ppm] : 25
Mesitylene : TLV© -TWA [mg/m³] : 125
Mesitylene : TLV© -TWA [ppm] : 25

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 : Yellow.
- Odour : Characteristic.
- 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] : 56
- Evaporation rate : No data available.
- Flammability : No data available.
- Explosion limits (lower - upper) : No data available.
No data available.
- Vapour pressure : No data available.
- Vapour density : No data available.
- Relative density : 0.785 - 0.795
- 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

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SECTION 10. Stability and reactivity (continued)

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

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

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SECTION 14. Transport information (continued)

UN No. : 1993

14.2. Proper shipping name

UN1993 FLAMMABLE LIQUID, N.O.S. (Naphta heavy (low boiling point hydrogen treated)), 3, III, (D/E)

14.3. Transport Hazard Classification

19 - Labelling ADR



ADR/RID : 3 : Flammable liquid.
Special provision : 640E
Class : 3
Group : III

H.I. nr : 30

- Proper shipping name : UN1993 FLAMMABLE LIQUID, N.O.S. (Naphta heavy (low boiling point hydrogen treated)), 3, III, (D/E)

Land transport

- ADR Class : 3

- ADR Packing group : III
E

Emergency action in case of accident : Keep public away from danger area.
Mark roads and warns other road users.
No naked lights. No smoking.
Stop the engine.

Sea transport

- IMO-IMDG code : Class
3

IMO Packing group : III

- IMDG-Marine pollution : NO

- EMS-Nr : F-E S-E

Air transport

- ICAO/IATA : Packaging instructions cargo : 310 Packaging instructions passenger: 309

- Proper shipping name : FLAMMABLE LIQUID, N.O.S. (Naphta heavy (low boiling point hydrogen treated))

- IATA - Class or division : 3

14.4. Packing group

III

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 : Stop the engine. No naked lights. No smoking. Mark roads and warns other road users. Keep public away from danger area. NOTIFY POLICE AND FIRE BRIGADE IMMEDIATELY.



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SECTION 14. Transport information (continued)

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.

SECTION 16. Other information

Text of H-Phrases :

: EUH066 - Repeated exposure may cause skin dryness or cracking.
H226 - Flammable liquid and vapour.
H301 - Toxic if swallowed.
H304 - May be fatal if swallowed and enters airways.
H310 - Fatal in contact with skin.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H330 - Fatal if inhaled.
H332 - Harmful if inhaled.
H335 - May cause respiratory irritation.
H336 - May cause drowsiness or dizziness.
H372 - Causes 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.

Text of R-Phrases :

: R10 : Flammable.
R20 : Harmful by inhalation.
R24/25 : Toxic in contact with skin and if swallowed.
R26 : Very toxic by inhalation.
R36/37/38 : Irritating to eyes, respiratory system and skin.
R37 : Irritating to respiratory system.
R38 : Irritating to skin.
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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.

Recommended uses and restrictions : See product bulletin for detailed information.

Further information : Label : 732230B R0
Revision - See : *
Safety data sheet available for professional user on request.

Print date : 10 / 12 / 2014

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

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