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3 : Flammable liquid.



9 : Miscellaneous dangerous substances and articles.

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 : B.D.C.
DIESEL ADDITIVE

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

: R10
R44
Xn; R20/21-R65
R66
Xi; R38
N; R51/53

Text of R-Phrases : : SECTION 16

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

• Health hazards : Skin irritation - Category 2 - Warning
Eye irritation - Category 2A - Warning (CLP : Eye Irrit. 2)
Aspiration hazard - Category 1 - Danger (CLP : Asp. Tox. 1)

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SECTION 2 Hazards identification (continued)

- **Supplemental hazard information** : EUH044 - Risk of explosion if heated under confinement.
EUH066 - 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 2 (CLP : Aquatic Chronic 2)

Text of H-Phrases : : SECTION 16

2.2. Label elements

Labelling Regulation EC 1272/2008 (CLP)

• Hazard pictograms



- **Hazard pictograms code** : SGH08 - SGH02 - SGH07 - SGH09
- **Signal words** : Danger
- **Hazard statements** : H226 - Flammable liquid and vapour.
H304 - May be fatal if swallowed and enters airways.
H319 - Causes serious eye irritation.
H315 - Causes skin irritation.
H411 - Toxic 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.
P233 - Keep container tightly closed.
P260 - Do not breathe vapours.
P262 - Do not get in eyes, on skin, or on clothing.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/eye protection/face protection.
 - **Response** : P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 - Do NOT induce vomiting.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P391 - Collect spillage.
 - **Storage** : P403+P235 - Store in a well-ventilated place. Keep cool.
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 30 % and more aliphatic hydrocarbons ; 30 % and more aromatic hydrocarbons .

2.3. Other hazards

None under normal conditions.

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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	25 - 50 %	64742-48-9	918-481-9	-----	01-2119457273-39-XXXX	Xn; R65 R66 ----- Asp. Tox 1 (H304) (EUH066)
Xylene	10 - 20 %	1330-20-7	215-535-7	601-022-00-9	----	R10 Xn; R20/21 Xi; R38 ----- Flam. Liq. 3 (H226) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315)
2-Ethyl hexyl nitrate	10 - 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)
Kerosine : solvent naphtha heavy aromatic	< 10 %	64742-94-5	265-198-5	649-424-00-3	----	Xn; R65 Xi; R36/38 N; R51-53 ----- Asp. Tox 1 (H304) Flam. Liq. 3 (H226) Eye irrit 2 (H319) Aquatic Chronic 2 (H411)
Ethylbenzene	< 10 %	100-41-4	202-849-4	601-023-00-4	----	F; R11 Xn; R20 ----- Flam. Liq. 2 (H225) Acute Tox. 4 (H332)
Solvent naphtha (petroleum), heavy aromatic	< 2 %	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)
Ethylhexylique (2-) Alcool	< 2 %	104-76-7	203-234-3	-----	01-2119487289-20-XXXX	Xi; R36/38 ----- Eye irrit 2 (H319) Skin Irrit. 2 (H315)
Solvent naphtha (petroleum), light arom.	< 2 %	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	< 2 %	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)
Naphthalene	< 0.5 %	91-20-3	202-049-5	601-052-00-2	----	Carc. Cat. 3; R40 Xn; R22 N; R50-53 ----- Acute Tox. 4 (H302) Carc. 2 (H351) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Cumene	< 0.5 %	98-82-8	202-704-5	601-024-00-X	----	R10 Xn; R65 Xi; R37 N; R51-53 ----- Asp. Tox 1 (H304) Flam. Liq. 3 (H226) STOT SE 3 (H335) Aquatic Chronic 2 (H411)

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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
Propylbenzene	: < 0.5 %	103-65-1	203-132-9	601-024-00-X	----	R10 Xn, R65 Xi, R37 N; R51-53 ----- Asp. Tox 1 (H304) Flam. Liq. 3 (H226) STOT SE 3 (H335) Aquatic Chronic 2 (H411)
Mesitylene	: < 0.5 %	108-67-8	203-604-4	601-025-00-5	----	R10 Xi, R37 N; R51-53 ----- Flam. Liq. 3 (H226) STOT SE 3 (H335) Aquatic Chronic 2 (H411)

SECTION 4. First aid measures

4.1. Description of first aid measures

First aid measures

- Inhalation : If not breathing, give artificial respiration. Assure fresh air breathing.
- Skin contact : For even minor contact, immediately remove contaminated clothing/wash skin thoroughly with mild soap / 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.

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

- Inhalation : Not expected to be an irritant.
- Skin contact : Causes skin irritation.
Repeated exposure may cause skin dryness or cracking.
- Eye contact : Causes serious eye irritation.
- 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

- General precautions : Remove ignition sources.
 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 : 5 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
 Xylene : TLV© -TWA [mg/m³] : 435
 Xylene : TLV© -TWA [ppm] : 100
 Xylene : TLV© -STEL [ppm] : 150
 Xylene : VME [ppm] : 50
 Xylene : VME [mg/m³] : 221
 Xylene : VLE [ppm] : 100
 Xylene : VLE [mg/m³] : 442
 2-Ethyl hexyl nitrate : TLV© -STEL [ppm] : 1
 2-Ethyl hexyl nitrate : TLV© -TWA [ppm] : 1
 Dipropyleneglycol monomethylether : VME [ppm] : 50
 Dipropyleneglycol monomethylether : VME [mg/m³] : 308
 Ethylbenzene : TLV© -TWA [mg/m³] : 434

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SECTION 8. Exposure controls/personal protection (continued)

Ethylbenzene : TLV© -TWA [ppm] : 100
 Ethylbenzene : TLV© -STEL [mg/m³] : 543
 Ethylbenzene : TLV© -STEL [ppm] : 125
 Solvent naphtha (petroleum), light arom. : Rat oral LD50 [mg/kg] : 2900
 Solvent naphtha (petroleum), heavy aromatic : TLV© -TWA [mg/m³] : 2000
 Solvent naphtha (petroleum), heavy 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
 Mesitylene : VME [ppm] : 25
 Mesitylene : TLV© -TWA [mg/m³] : 125
 Mesitylene : TLV© -TWA [ppm] : 25
 Cumene : TLV© -TWA [mg/m³] : 246
 Cumene : TLV© -TWA [ppm] : 50
 Cumene : MAC [mg/m³] : 245
 Cumene : VME [ppm] : 20
 Cumene : VME [mg/m³] : 100
 Cumene : VLE [ppm] : 50
 Cumene : VLE [mg/m³] : 250

8.2. Exposure controls

Personal protection

- Eye protection : Chemical goggles or safety glasses. (EN166).
- Skin protection : Wear suitable protective clothing.
- Hand protection : Wear suitable gloves resistant to chemical penetration. (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 : Dark brown.
- 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] : 45
- Evaporation rate : No data available.
- Flammability : No data available.
- Explosion limits (lower - upper) : 0.6
7.0

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SECTION 9. Physical and chemical properties (continued)

- Vapour pressure : No data available.
- Vapour density : No data available.
- Relative density : 0.845 - 0.855
- Solubility : Material insoluble in water.
- Partition coefficient : n-octanol / water : No data available.
- Auto-ignition temperature : > 250
- Thermal decomposition : No data available.
- Viscosity : < 20 mm²/s
- 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

Toxic to aquatic life with long lasting effects.

12.2. Persistence - degradability

No data available.

12.3. Bioaccumulative potential

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SECTION 12. Ecological information (continued)

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

UN No. : 1993

14.2. Proper shipping name

UN1993 FLAMMABLE LIQUID, N.O.S. (Xylene), 3 (9E), III, (D/E)

14.3. Transport Hazard Classification

19 - Labelling ADR



: 3 : Flammable liquid.
9 : Miscellaneous dangerous substances and articles.

ADR/RID

: Special provision : 640E
Class : 3
Group : III

H.I. nr

: 30

- Proper shipping name

: UN1993 FLAMMABLE LIQUID, N.O.S. (Xylene), 3 (9E), III, (D/E)

Land transport

- ADR Class

: 3

- ADR Packing group

: III
E

Emergency action in case of accident

: No naked lights. No smoking.
Keep public away from danger area.
NOTIFY POLICE AND FIRE BRIGADE IMMEDIATELY.

Sea transport

- IMO-IMDG code

: Class 3

IMO Packing group

: III

- IMDG-Marine pollution

: Yes

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SECTION 14. Transport information (continued)

- 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. (Xylene)
 - 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

Personal precautions : The driver shall not attempt to deal with any fire of the load.
 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.

Further information

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 4BIS: Gastrointestinal disorders caused by benzene, toluene, xylenes and all products containing them. (FRANCE)
 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.
 H225 - Highly flammable liquid and vapour.
 H226 - Flammable liquid and vapour.
 H302 - Harmful if swallowed.
 H304 - May be fatal if swallowed and enters airways.
 H312 - Harmful in contact with skin.
 H315 - Causes skin irritation.
 H319 - Causes serious eye irritation.
 H332 - Harmful if inhaled.
 H335 - May cause respiratory irritation.
 H336 - May cause drowsiness or dizziness.
 H351 - Suspected of causing cancer .
 H400 - Very toxic to aquatic life.
 H410 - Very toxic to aquatic life with long lasting effects.

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SECTION 16. Other information (continued)

Text of R-Phrases :

H411 - Toxic to aquatic life with long lasting effects.
: R10 : Flammable.
R11 : Highly flammable.
R20 : Harmful by inhalation.
R20/21 : Harmful by inhalation and in contact with skin.
R20/21/22 : Harmful by inhalation, in contact with skin and if swallowed.
R22 : Harmful if swallowed.
R36/37/38 : Irritating to eyes, respiratory system and skin.
R36/38 : Irritating to eyes and skin.
R37 : Irritating to respiratory system.
R38 : Irritating to skin.
R40 : Limited evidence of a carcinogenic effect.
R44 : Risk of explosion if heated under confinement.
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

: Revision - See : *
Label : 730 120 VR5
Safety data sheet available for professional user on request.

Print date

: 4 / 2 / 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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