



# FULL METAL BARD AHL

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 24-10-17

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Version: 1.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Product name : FULL METAL BARD AHL  
Product code : 2007B # 737200BR2  
Type of product : Lubricants and additives

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

##### 1.2.1. Relevant identified uses

Intended for general public  
Main use category : Consumer use  
Function or use category : Lubricants and additives

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

##### Distributor

SADAPS BARD AHL Additives & Lubricants  
ZI TOURNAI OUEST 2 - RUE DU MONT DES CARLIERS, 3  
7522 TOURNAI - BELGIQUE  
T +32 (0).69.59.03.60 - F +32 (0).69.59.03.61  
[msds@bardahlfrance.com](mailto:msds@bardahlfrance.com) - [www.bardahlfrance.com](http://www.bardahlfrance.com)

##### Supplier

SADAPS BARD AHL Additives & Lubricants  
ZI TOURNAI OUEST 2 - RUE DU MONT DES CARLIERS, 3  
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[msds@bardahlfrance.com](mailto:msds@bardahlfrance.com) - [www.bardahlfrance.com](http://www.bardahlfrance.com)

#### 1.4. Emergency telephone number

Emergency number : + 32 (0)70.245.245 / +33 (0)1.45.42.59.59

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241	

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 2 H319  
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412  
Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning  
Hazard statements (CLP) : H319 - Causes serious eye irritation.

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Precautionary statements (CLP)	: H412 - Harmful to aquatic life with long lasting effects. : P101 - If medical advice is needed, have product container or label at hand. : P102 - Keep out of reach of children. : P273 - Avoid release to the environment. : P280 - Wear protective gloves, eye protection, face protection. : P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor. : 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. : P501 - Dispose of contents/container to a hazardous or special waste collection point
EUH-statements	: EUH208 - Contains triphenyl phosphite(101-02-0). May produce an allergic reaction.
Security closing plug for children	: Not applicable
Tactile warning	: Not applicable

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Mineral oil substance with a Community workplace exposure limit substance with national workplace exposure limit(s) (BE, BG, DK, ES, FI, FR, GR, HU, IE, LV, NL, PT, RO, SE) (Note L)		20-40	Not classified
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	(CAS-No.) 4259-15-8 (EC-No.) 224-235-5 (REACH-no) 01-2119493635-27	1-10	Eye Dam. 1, H318 Aquatic Chronic 2, H411
Methacrylate copolymer		1-5	Eye Irrit. 2, H319
triphenyl phosphite	(CAS-No.) 101-02-0 (EC-No.) 202-908-4 (EC Index-No.) 015-105-00-7 (REACH-no) 01-2119511213-58	<1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-ethylhexan-1-ol substance with national workplace exposure limit(s) (FR)	(CAS-No.) 104-76-7 (EC-No.) 203-234-3 (REACH-no) 01-2119487289-20	<0.5	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Oil mist substance with national workplace exposure limit(s) (FR)			Not classified

#### Specific concentration limits:

Name	Product identifier	Specific concentration limits
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	(CAS-No.) 4259-15-8 (EC-No.) 224-235-5 (REACH-no) 01-2119493635-27	( 50 =<C < 100) Eye Dam. 1, H318
triphenyl phosphite	(CAS-No.) 101-02-0 (EC-No.) 202-908-4 (EC Index-No.) 015-105-00-7 (REACH-no) 01-2119511213-58	(C >= 5) Eye Irrit. 2, H319 (C >= 5) Skin Irrit. 2, H315

Note L : The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

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- First-aid measures after skin contact : Remove contaminated clothes. Wash skin with plenty of water. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- First-aid measures after ingestion : Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

- Symptoms/effects after eye contact : Causes serious eye irritation.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Water spray. Dry powder. Foam.
- Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

- Hazardous decomposition products in case of fire : Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

### 5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.
- Other information : Prevent liquid from entering sewers, watercourses, underground or low areas.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Evacuate area. Eliminate every possible source of ignition. Ensure adequate ventilation, especially in confined areas. Keep public away from danger area. Equip cleanup crew with proper protection.

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Dike for recovery or absorb with appropriate material. 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

- For containment : Recover the product with absorbent material.
- Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Do not eat, drink or smoke when using this product.
- Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Provide local exhaust or general room ventilation.
- Storage conditions : Store in a closed container. Keep out of frost.
- Heat and ignition sources : Keep away from naked flames/heat. Keep away from ignition sources.
- Storage area : Store in a dry place. Store in a well-ventilated place.
- Special rules on packaging : Store in original container.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

2-ethylhexan-1-ol (104-76-7)		
France	VME (mg/m <sup>3</sup> )	5,4 mg/m <sup>3</sup>

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2-ethylhexan-1-ol (104-76-7)		
France	VME (ppm)	1 ppm
Oil mist		
France	VME (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
France	VLE (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Mineral oil		
EU	IOELV TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> 8H
Belgium	Limit value (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (8h)
Belgium	Short time value (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (15min)
Bulgaria	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (8h)
Denmark	Grænseværdie (langvarig) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
France	VME (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (8h)
France	VLE (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (15min)
Greece	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (8h)
Hungary	CK-érték	5 mg/m <sup>3</sup>
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (8h)
Latvia	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (8h)
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Portugal	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (8h)
Portugal	OEL STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Romania	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (8h)
Romania	OEL STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (15min)
Spain	VLA-ED (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (8h)
Spain	VLA-EC (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (15min)
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Sweden	kortidsvärde (KTV) (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
Norway	Grenseverdier (AN) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
USA - ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (8h)
USA - ACGIH	ACGIH STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>

### 8.2. Exposure controls

#### Hand protection:

Gloves. EN 374

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Gloves	Nitrile rubber (NBR)	6 (> 480 minutes)		3 (> 0.65)	EN 374

#### Eye protection:

Safety glasses. EN 166

Type	Use	Characteristics	Standard
Safety glasses		With side shields	EN 166

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

Good ventilation of the workplace required



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

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Appearance	: clear.
Colour	: red.
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 60 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: > 20,5 mm <sup>2</sup> /s (40°C)
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Heat. Open flame. Sparks. Water, humidity. Freezing.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

2-ethylhexan-1-ol (104-76-7)	
LD50 oral rat	> 10000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Residual oils (petroleum), solvent-dewaxed (64742-62-7)	
LC50 inhalation rat (mg/l)	5,53 mg/l/4h
Mineral oil	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 0,005 mg/l/4h
LC50 inhalation rat (Vapours - mg/l/4h)	> 5000 mg/l/4h

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<b>Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)</b>	
LD50 oral rat	> 5000
LD50 dermal rabbit	> 2000

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

<b>FULL METAL BARDAHL</b>	
Viscosity, kinematic	> 20,5 mm <sup>2</sup> /s (40°C)

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Harmful to aquatic life with long lasting effects.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Harmful to aquatic life with long lasting effects.

<b>Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)</b>	
LC50 fish 1	4,4 mg/l LC50/96h/trout
EC50 other aquatic organisms 1	75 mg/l 48 hours
EC50 72h algae (1)	410 mg/l

<b>triphenyl phosphite (101-02-0)</b>	
EC50 other aquatic organisms 1	0,94 mg/l 48 hours

<b>2-ethylhexan-1-ol (104-76-7)</b>	
LC50 fish 1	28,2 mg/l (Pimephales promelas, 4DY)
LC50 fish 2	17,1 mg/l (Ide mélanote (Leuciscus idus), 4DY)
EC50 other aquatic organisms 1	39 mg/l (Cladocère, 2DY)
EC50 72h algae (1)	16,6 mg/l
NOEC chronic fish	14 mg/l (Ide mélanote (Leuciscus idus), 4DY)

<b>Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)</b>	
LC50 fish 1	> 100 mg/l

### 12.2. Persistence and degradability

<b>triphenyl phosphite (101-02-0)</b>	
Biodegradation	5 - 9,9 %

### 12.3. Bioaccumulative potential

<b>Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)</b>	
Log Kow	3,6

<b>triphenyl phosphite (101-02-0)</b>	
Log Kow	6,62

<b>2-ethylhexan-1-ol (104-76-7)</b>	
Log Kow	2,9

<b>Residual oils (petroleum), solvent-dewaxed (64742-62-7)</b>	
Log Pow	> 3

### 12.4. Mobility in soil

<b>2-ethylhexan-1-ol (104-76-7)</b>	
Mobility in soil	-1,42

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### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

- Waste treatment methods : Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
- Sewage disposal recommendations : Do not discharge into drains or the environment.
- Product/Packaging disposal recommendations : Collect all waste in suitable and labelled containers and dispose according to local legislation.
- Additional information : Empty the packaging completely prior to disposal. Do not re-use empty containers.
- Ecology - waste materials : Do not discharge the product into the environment.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	RID
<b>14.1. UN number</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>			
Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available			

### 14.6. Special precautions for user

#### - Overland transport

Not applicable

#### - Transport by sea

Not applicable

#### - Air transport

Not applicable

#### - Rail transport

Not applicable

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

##### France

Occupational diseases : RG 36 - Affections provoquées par les huiles et graisses d'origine minérale ou de synthèse  
RG 65 - Lésions eczématiformes de mécanisme allergique

##### Germany

VwVwS Annex reference : Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, Annex 4)

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12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

### Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

## 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
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.
EUH208	Contains . May produce an allergic reaction.

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*