



DIESEL ANTI-GEL - BARD AHL TECHN I LINE

Safety Data Sheet

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

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

1.1. Product identifier

Product form : Mixtures
Product name : DIESEL ANTI-GEL - BARD AHL TECHN I LINE
Product code : 5480 # 730548R2

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

1.2.1. Relevant identified uses

Main use category : Professional use

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 CORPORATION
BP 50050 MOUVAUX
59589 BONDUES Cedex - France
T 03.10 38 38 38 - F 03.51 08 90 51
industrie@bardahlfrance.com - www.bardahlindustrie.com

Supplier

SADAPS BARD AHL CORPORATION
BP 50050 MOUVAUX
59589 BONDUES Cedex - France
T 03.10 38 38 38 - F 03.51 08 90 51
industrie@bardahlfrance.com - www.bardahlindustrie.com

1.4. Emergency telephone number

Emergency number : +33 (0)1.45.42.59.59

Country	Organisation/Company	Address	Emergency number	Comment
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids, Category 3 H226
Acute toxicity (dermal), Category 4 H312
Acute toxicity (inhalation:vapour)
Category 4 H332
Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation,
Category 2 H319
Specific target organ toxicity — Single
exposure, Category 3, Respiratory tract
irritation H335
Specific target organ toxicity —
Repeated exposure, Category 2 H373
Aspiration hazard, Category 1 H304
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) :



GHS02



GHS07



GHS08

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Signal word (CLP)	: Danger
Hazardous ingredients	: Solvent naphtha (petroleum), heavy arom.; Kerosine ; xylene (mixture); Ethylbenzene
Hazard statements (CLP)	: H226 - Flammable liquid and vapour H304 - May be fatal if swallowed and enters airways H312+H332 - Harmful in contact with skin or if inhaled H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation H373 - May cause damage to organs through prolonged or repeated exposure H412 - Harmful to aquatic life with long lasting effects
Precautionary statements (CLP)	: P102 - Keep out of reach of children 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 P271 - Use only outdoors or in a well-ventilated area P273 - Avoid release to the environment P280 - Wear protective gloves, protective clothing, eye protection/face protection. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor P331 - Do NOT induce vomiting P312 - Call a POISON CENTER, a doctor if you feel unwell 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 P403+P235 - Store in a well-ventilated place. Keep cool P501 - Dispose of contents/container to a hazardous or special waste collection point

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]
xylene (mixture)	(CAS No) 1330-20-7 (EC No) 215-535-7 (EC Index No) 601-022-00-9 (REACH-no) 01-2119488216-32	50-100	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
Solvent naphtha (petroleum), heavy arom.; Kerosine	(CAS No) 64742-94-5 (EC No) 265-198-5 (EC Index No) 649-424-00-3	<50	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Ethylbenzene	(CAS No) 100-41-4 (EC No) 202-849-4 (EC Index No) 601-023-00-4 (REACH-no) 01-2119489370-35	<30	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
Toluene	(CAS No) 108-88-3 (EC No) 203-625-9 (EC Index No) 601-021-00-3 (REACH-no) 01-2119471310-51	<3	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412

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.

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First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
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 or doctor/physician.

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

Symptoms/injuries after inhalation	: Harmful if inhaled. May cause respiratory irritation.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: Harmful if swallowed. 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. Water spray. Dry powder. Sand.
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.
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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.
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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

Storage conditions	: Store in a dry place. Store in a closed container. Store in a well-ventilated place. Keep out of frost. Keep away from heat.
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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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xylene (mixture) (1330-20-7)		
France	VME (mg/m³)	221 mg/m³
France	VME (ppm)	50 ppm
France	VLE (mg/m³)	442 mg/m³
France	VLE (ppm)	110 ppm
Ethylbenzene (100-41-4)		
France	VME (mg/m³)	551 mg/m³
France	VME (ppm)	125 ppm
France	VLE (mg/m³)	442 mg/m³
France	VLE (ppm)	100 ppm
Toluene (108-88-3)		
France	VME (mg/m³)	77 mg/m³
France	VME (ppm)	20 ppm
France	VLE (mg/m³)	384 mg/m³
France	VLE (ppm)	100 ppm

8.2. Exposure controls

Hand protection:

Gloves

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

Eye protection:

Safety glasses

Type	Use	Characteristics	Standard
Safety glasses			EN 166

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Good ventilation of the workplace required. Wear appropriate mask

Device	Filter type	Condition	Standard
Breathing equipment		Gas protection, Vapour protection	



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid. Clear to cloudy.
Colour	: light yellow.
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	: 25 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available

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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
Density	: 0,87 - 0,88 (20°C)
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: < 20,5 mm²/s (20°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 : Dermal: Harmful in contact with skin. Inhalation:vapour: Harmful if inhaled.

ATE CLP (dermal)	1787,373 mg/kg bodyweight
ATE CLP (vapours)	11,000 mg/l/4h

xylene (mixture) (1330-20-7)	
LD50 oral rat	2000 mg/kg
LD50 dermal	1100 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	1,5 mg/l/4h
LC50 inhalation rat (Vapours - mg/l/4h)	11 mg/l/4h

Toluene (108-88-3)	
LD50 oral rat	5580 mg/kg
LD50 dermal rabbit	5000 mg/kg
LC50 inhalation rat (Vapours - mg/l/4h)	28,1 mg/l/4h

Skin corrosion/irritation	: Causes skin irritation.
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	: May cause respiratory irritation.
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: May be fatal if swallowed and enters airways.

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Viscosity, kinematic	< 20,5 mm²/s (20°C)

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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

Solvent naphtha (petroleum), heavy arom.; Kerosine (64742-94-5)	
LC50 fish 1	3 mg/l 4 days
EC50 Daphnia 1	1,1 mg/l EC50 48h - Daphnia magna [mg/l]
EC50 96h algae (1)	1,1 mg/l
xylene (mixture) (1330-20-7)	
LC50 fish 1	2 - 11 mg/l
LC50 fish 2	13,5 mg/l
LC50 other aquatic organisms 1	21 mg/l
EC50 Daphnia 1	1 - 5 mg/l
EC50 72h algae (1)	3 - 5 mg/l
Ethylbenzene (100-41-4)	
LC50 fish 1	12,1 mg/l
EC50 Daphnia 1	1,8 - 2,4 mg/l
EC50 72h algae (1)	438 mg/l
Toluene (108-88-3)	
LC50 fish 1	5,5 mg/l
EC50 Daphnia 1	3,78 mg/l
EC50 72h algae (1)	10 mg/l
LOEC (chronic)	2,77 mg/l 40 days onchorhynchus mykiss
NOEC chronic fish	1,39 mg/l 40 days onchorhynchus mykiss
NOEC chronic crustacea	10 mg/l

12.2. Persistence and degradability

xylene (mixture) (1330-20-7)	
Persistence and degradability	Readily biodegradable.
Ethylbenzene (100-41-4)	
Persistence and degradability	Readily biodegradable.
Toluene (108-88-3)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

Solvent naphtha (petroleum), heavy arom.; Kerosine (64742-94-5)	
Log Kow	3,1
xylene (mixture) (1330-20-7)	
Log Pow	2,77 - 3,15
Bioaccumulative potential	not bioaccumulable.
Ethylbenzene (100-41-4)	
Log Pow	3,5
Toluene (108-88-3)	
Bioconcentration factor (BCF REACH)	90
Log Pow	2,65
Bioaccumulative potential	not bioaccumulable.

12.4. Mobility in soil

xylene (mixture) (1330-20-7)	
Ecology - soil	insoluble in water. Floats on water.
Ethylbenzene (100-41-4)	
Ecology - soil	insoluble in water.
Toluene (108-88-3)	
Surface tension	0,0242 mN/m 20°C

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

- 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.
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
14.1. UN number			
1993	1993	1993	1993
14.2. UN proper shipping name			
FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	Flammable liquid, n.o.s.	FLAMMABLE LIQUID, N.O.S.
Transport document description			
UN 1993 FLAMMABLE LIQUID, N.O.S. (CONTAINS ; xylene (mixture) ; Solvent naphtha (petroleum), heavy arom.; Kerosine), 3, III, (D/E)	UN 1993 FLAMMABLE LIQUID, N.O.S., 3, III	UN 1993 Flammable liquid, n.o.s., 3, III	UN 1993 FLAMMABLE LIQUID, N.O.S., 3, III
14.3. Transport hazard class(es)			
3	3	3	3
			
14.4. Packing group			
III	III	III	III
14.5. Environmental hazards			
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available			

14.6. Special precautions for user

- Overland transport

- Classification code (ADR) : F1
Special provisions (ADR) : 274, 601, 640E
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E1
Packing instructions (ADR) : P001, IBC03, LP01, R001
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T4
Portable tank and bulk container special provisions (ADR) : TP1, TP29
Tank code (ADR) : LGBF
Vehicle for tank carriage : FL
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Special provisions for carriage - Operation (ADR) : S2
Hazard identification number (Kemler No.) : 30
Orange plates :



- Tunnel restriction code (ADR) : D/E

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- Transport by sea

Special provisions (IMDG)	: 223, 274, 955
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-E
Stowage category (IMDG)	: A

- Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L
Special provisions (IATA)	: A3
ERG code (IATA)	: 3L

- Rail transport

Classification code (RID)	: F1
Special provisions (RID)	: 274, 601, 640E
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1, TP29
Tank codes for RID tanks (RID)	: LGBF
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Colis express (express parcels) (RID)	: CE4
Hazard identification number (RID)	: 30

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 4 BIS - Affections gastro-intestinales provoquées par le benzène, le toluène, les xylènes et tous les produits en renfermant
RG 84 - Affections engendrées par les solvants organiques liquides à usage professionnel

Germany

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

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Netherlands

SZW-lijst van kankerverwekkende stoffen	: Solvent naphtha (petroleum), heavy arom.; Kerosine is listed
SZW-lijst van mutagene stoffen	: Solvent naphtha (petroleum), heavy arom.; Kerosine is 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	: xylene (mixture), Toluene are listed

Denmark

Class for fire hazard	: Class II-1
Store unit	: 5 liter
Classification remarks	: R10 <H226;H304;H312+H332;H315;H319;H335;H373;H412>; Emergency management guidelines for the storage of flammable liquids must be followed
Recommendations Danish Regulation	: Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
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
H361d	Suspected of damaging the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

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