



# XTS 5W20 BARD AHL

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Reference number: 36291

Issue date: 12-08-16 Revision date: 28-09-20 Supersedes version of: 29-05-20 Version: 3.0

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

### 1.1. Product identifier

Product form : Mixture  
Product name : XTS 5W20 BARD AHL  
Product code : 36291 # 7313629VR6  
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.bardahl.fr](http://www.bardahl.fr)

#### 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.bardahl.fr](http://www.bardahl.fr)

### 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<br>Beaumont Hospital   | PO Box 1297<br>Beaumont Road<br>9 Dublin                    | +353 1 809 2566<br>(Healthcare professionals-<br>24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |         |
| Malta                | Medicines & Poisons Info Office  | Mater Dei Hospital<br>MSD Msida                             | +356 2545 6504   |         |
| Saudi Arabia         | Poison Control Center-Riyadh   | General Directorate of Health<br>Affairs<br>Medial Province | +966 112324180<br>+966 112324189   |         |
| United Arab Emirates | Health Authority – Abu Dhabi (HAAD)<br>Poison & Drug Information Center<br>(PDIC)                | P.O. Box 5674<br>Abu Dhabi                                  | + 800-424  |         |
| United Kingdom       | Guy's & St Thomas' Poisons Unit<br>Medical Toxicology Unit, Guy's & St<br>Thomas' Hospital Trust | Avonley Road<br>SE14 5ER London                             | +44 20 7188 7188   |         |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Not classified

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### Adverse physicochemical, human health and environmental effects

No additional information available

## 2.2. Label elements

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

Precautionary statements (CLP) : P102 - Keep out of reach of children.  
Child-resistant fastening : 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] |
|---|--|---------|---|
| Distillates (petroleum), hydrotreated heavy paraffinic (Note L) | (CAS-No.) 64742-54-7<br>(EC-No.) 265-157-1<br>(EC Index-No.) 649-467-00-8<br>(REACH-no) 01-2119484627-25 | 50-80   | Asp. Tox. 1, H304   |
| mineral oil (Note L)  |  | 5-10    | Asp. Tox. 1, H304   |
| bis(nonylphenyl)amine   | (CAS-No.) 36878-20-3<br>(EC-No.) 253-249-4<br>(REACH-no) 01-2119488911-28                                | 0.1-2.5 | Aquatic Chronic 4, H413   |

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.  
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

No additional information available

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

Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

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

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

Fire hazard : Combustible liquid.  
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 attempt to take action without suitable protective equipment.  
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. Spill area may be slippery. Keep public away from danger area. Equip cleanup crew with proper protection.

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment.

#### 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.  
Other information : Spill area may be slippery. Dispose of materials or solid residues at an authorized site.

#### 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. Provide good ventilation in process area to prevent formation of vapour.  
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

#### 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. Keep container closed when not in use. Store in a well-ventilated place. Keep cool.  
Storage temperature : 0 – 40 °C  
Heat and ignition sources : Keep away from naked flames/heat. Keep away from ignition sources.  
Information on mixed storage : Keep away from food, drink and animal feeding stuffs.

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Storage area : Store in a well-ventilated place. Store in a dry 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

#### XTS 5W20 BARD AHL

##### EU - Occupational Exposure Limits

|                                |  |
|--------------------------------|--|
| Local name                     | Mineral oils (AHRMO)                     |
| IOELV TWA (mg/m <sup>3</sup> ) | 5 mg/m <sup>3</sup> (inhalable fraction) |
| Notes                          | (Year of adoption 2010)                  |
| Regulatory reference           | SCOEL Recommendations                    |

#### Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

##### EU - Occupational Exposure Limits

|  |                        |
|--|------------------------|
| IOELV TWA (mg/m <sup>3</sup> )         | 5 mg/m <sup>3</sup> 8H |
| Belgium - Occupational Exposure Limits |                        |
| Limit value [mg/m <sup>3</sup> ]       | 5 mg/m <sup>3</sup>    |

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Materials for protective clothing:

Wear suitable protective clothing

#### Hand protection:

Protective gloves

| Type            | Material             | Permeation        | Thickness (mm) | Penetration | Standard   |
|-----------------|----------------------|-------------------|----------------|-------------|------------|
| Reusable gloves | Nitrile rubber (NBR) | 6 (> 480 minutes) | ≥0.35          |             | EN ISO 374 |

#### Eye protection:

Safety glasses

| Type           | Use     | Characteristics | Standard |
|----------------|---------|-----------------|----------|
| Safety goggles | Droplet | clear           | EN 166   |

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

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### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

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

|   |  |
|---|--|
| Physical state                                  | : Liquid   |
| Colour  | : brown.   |
| Odour   | : characteristic.                                  |
| Odour threshold                                 | : No data available                                |
| pH  | : No data available                                |
| Relative evaporation rate (butylacetate=1)      | : No data available                                |
| Melting point                                   | : No data available                                |
| Freezing point                                  | : -33 °C ASTM D5950 (point d'écoulement)           |
| Boiling point                                   | : No data available                                |
| Flash point                                     | : 226 °C ASTM D92 (COC)                            |
| 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                                |
| Density   | : 0,849 kg/l (15°C) - ASTM D4052                   |
| Solubility                                      | : insoluble in water.                              |
| Partition coefficient n-octanol/water (Log Pow) | : No data available                                |
| Viscosity, kinematic                            | : 48 mm²/s (40°C) - ASTM D7279                     |
| Viscosity, dynamic                              | : No data available                                |
| Explosive properties                            | : Presents no particular fire or explosion hazard. |
| Oxidising properties                            | : No data available                                |
| Explosive limits                                | : No data available                                |

### 9.2. Other information

VOC content : 0 %

## 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

Reacts violently with (strong) oxidizers.

### 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.

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### 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 |

#### Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

|                       |                       |
|-----------------------|-----------------------|
| LD50 oral rat         | > 5000 mg/kg OCDE 420 |
| LD50 dermal rat       | > 5000 mg/kg          |
| LD50 dermal rabbit    | > 2000 mg/kg OCDE 402 |
| LC50 Inhalation - Rat | > 5,53 mg/l OCDE 403  |

#### bis(nonylphenyl)amine (36878-20-3)

|                 |                         |
|-----------------|-------------------------|
| LD50 oral rat   | > 5000 mg/kg (OCDE 401) |
| LD50 dermal rat | > 2000 mg/kg (OCDE 402) |

|                                   |                  |
|-----------------------------------|------------------|
| Skin corrosion/irritation         | : Not classified |
| Serious eye damage/irritation     | : Not classified |
| 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 |
|-------------------|------------------|

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|                      |   |
|----------------------|---|
| Viscosity, kinematic | 48 mm <sup>2</sup> /s (40°C) - ASTM D7279 |
|----------------------|---|

### SECTION 12: Ecological information

#### 12.1. Toxicity

|   |   |
|---|---|
| Ecology - general   | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified  |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified  |

#### Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

|                        |  |
|------------------------|--|
| LC50 fish 1            | > 100 mg/l Pimephales promelas - OCDE 203              |
| EC50 Daphnia 1         | > 10000 mg/l Gammarus pulex - OCDE 202                 |
| EC50 Daphnia 2         | > 10000 mg/l Daphnia magna - OCDE 202                  |
| ErC50 (algae)          | > 100 mg/l   |
| NOEC chronic fish      | ≥ 1000 mg/l Oncorhynchus mykiss - QSAR Petrotox 14/28d |
| NOEC chronic crustacea | 10 mg/l Daphnia magna 21d - OCDE 211                   |

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### mineral oil

|                    |              |
|--------------------|--------------|
| LC50 fish 1        | > 100 mg/l   |
| EC50 Daphnia 1     | > 10000 mg/l |
| EC50 72h algae (1) | > 100 mg/l   |

### bis(nonylphenyl)amine (36878-20-3)

|                        |                       |
|------------------------|-----------------------|
| LC50 fish 1            | > 100 mg/l (OCDE 203) |
| EC50 Daphnia 1         | > 100 mg/l (OCDE 202) |
| EC50 72h algae (1)     | > 100 mg/l (OCDE 201) |
| EC50 96h algae (1)     | 870 mg/l              |
| NOEC chronic crustacea | > 10 mg/l             |
| NOEC chronic algae     | > 10 mg/l             |

## 12.2. Persistence and degradability

### Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

|                |      |
|----------------|------|
| Biodegradation | 31 % |
|----------------|------|

### bis(nonylphenyl)amine (36878-20-3)

|                               |                                    |
|-------------------------------|------------------------------------|
| Persistence and degradability | Not readily biodegradable.         |
| Biodegradation                | 1 % (test concentration 20.1 mg/L) |

## 12.3. Bioaccumulative potential

### bis(nonylphenyl)amine (36878-20-3)

|   |       |
|---|-------|
| Partition coefficient n-octanol/water (Log Pow) | > 7,6 |
|---|-------|

## 12.4. Mobility in soil

### bis(nonylphenyl)amine (36878-20-3)

|                  |  |
|------------------|--|
| Mobility in soil | Après libération, est absorbé par le sol |
|------------------|--|

## 12.5. Results of PBT and vPvB assessment

### Component

|                                    |   |
|------------------------------------|---|
| bis(nonylphenyl)amine (36878-20-3) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
|------------------------------------|---|

## 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|  |   |
|--|---|
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations            | : Do not discharge into drains or the environment.  |
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations.                     |
| 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.  |
| European List of Waste (LoW) code          | : 13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils                 |

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### 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

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content : 0 %

##### 15.1.2. National regulations

###### France

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

###### Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)



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### Netherlands

|   |  |
|---|--|
| SZW-lijst van kankerverwekkende stoffen   | : Distillates (petroleum), hydrotreated heavy paraffinic is listed |
| SZW-lijst van mutagene stoffen  | : Distillates (petroleum), hydrotreated heavy paraffinic 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   | : None of the components are listed                                |

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

### Full text of H- and EUH-statements:

|                   |   |
|-------------------|---|
| Aquatic Chronic 4 | Hazardous to the aquatic environment — Chronic Hazard, Category 4 |
| Asp. Tox. 1       | Aspiration hazard, Category 1                                     |
| H304              | May be fatal if swallowed and enters airways.                     |
| H413              | May cause long lasting harmful effects to aquatic life.           |

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.