

**AD TEC 2 0W/20**

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) &amp; 2020/878

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier**

Product Name AD TEC 2 0W/20  
Product code AZC199, AZC020

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

Identified Use(s) Lubricating oil.  
Uses Advised Against Not known.

**1.3 Details of the supplier of the safety data sheet****Manufacturer**

Company Identification Granville Oil & Chemicals Ltd  
Address of Manufacturer 29 Goldthorpe Ind. Est.,  
Goldthorpe,  
Rotherham,  
South Yorkshire,  
Postal code S63 9BL  
Telephone: +44 (0)1709 890099  
Fax Not known.  
E-mail lab@granvilleoil.com  
Office hours 08:00 - 17:00

**Supplier**

Company Identification Veedol Deutschland GmbH  
Address of Supplier Hans-Böckler-Straße 10  
Langenfeld,  
Germany  
Postal code 40764  
Telephone: +44 (0)1709 890099  
Fax Not known.  
E-mail lab@granvilleoil.com  
Office hours 08:00 - 17:00

**1.4 Emergency telephone number**

Emergency Phone No. +44 (0)1709 890099  
Contact Granville Lab  
National response centre  
Address NHS Direct  
Emergency Phone No. +44 111

**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

Regulation (EC) No. 1272/2008 (CLP) Not classified as dangerous for supply/use.

**2.2 Label elements**

According to Regulation (EC) No. 1272/2008 (CLP)

**AD TEC 2 0W/20**

Product Name	AD TEC 2 0W/20
Hazard Pictogram(s)	None.
Signal Word(s)	None.
Hazard Statement(s)	None.
Precautionary Statement(s)	P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children.

**2.3 Other hazards**

EUH208: Contains: (Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts) May produce an allergic reaction..

**2.4 Additional Information**

None.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substances**

Not applicable.

**3.2 Mixtures**

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified	72623-87-1	276-738-4	20-95	Asp. Tox. 1 H304	GHS08
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts	85940-28-9	288-917-4	<2	Skin Irrit. 2 H315 Eye Dam. 1 H318 Aquatic Chronic 2 H411	GHS05 GHS07 GHS09
reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	125643-61-0	406-040-9	<1	Aquatic Chronic 4 H413	None
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	70024-69-0	274-263-7	<0.5	Skin Sens. 1B H317	GHS07
reaction product of cocoalkyldiethanolamides and cocoalkylmonoglycerides and molybdenumtrioxide (1.75-2.2: 0.75-1.0:0.1-1.1)		430-380-7	<0.5	Aquatic Chronic 2 H411	GHS09

## AD TEC 2 0W/20

calcium dihydroxide	1305-62-0	215-137-3	<0.5	Skin Irrit. 2 H315 Eye Dam. 1 H318 STOT SE 3 H335	GHS05 GHS07
methyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	6386-38-5	228-985-4	<0.5	Aquatic Chronic 2 H411	GHS09
diphenylamine	122-39-4	204-539-4	<0.05	Acute Tox. 3 H301 Acute Tox. 3 H311 Acute Tox. 3 H331 STOT RE 2 H373 Aquatic Acute 1 H400 Aquatic Chronic 1 H410	GHS06 GHS08 GHS09

HAZARDOUS INGREDIENT(S)	CAS No.	Specific Concentration Limit	M-factor	ATE
diphenylamine	122-39-4			Acute Tox. 3 (H301) : 100.000 Acute Tox. 3 (H311) : 300.000 Acute Tox. 3 (H331) : 3.000

Contains no non-classified vPvB substances or substances with a Union workplace exposure limit.  
For full text of H/P Statements see section 16.

#### SECTION 4: FIRST AID MEASURES

##### 4.1 Description of first aid measures

Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact	Wash skin with water.
Eye Contact	Flush eyes with water for at least 15 minutes.
Ingestion	Wash out mouth with water.

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

None anticipated. Treat symptomatically.

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

Unlikely to be required but if necessary treat symptomatically.

#### SECTION 5: FIREFIGHTING MEASURES

##### 5.1 Extinguishing media

Suitable Extinguishing media	Foam, CO2 or dry Powder.
Unsuitable extinguishing media	Do not use water.

**AD TEC 2 0W/20****5.2 Special hazards arising from the substance or mixture**

None anticipated. Heating may cause decomposition.

**5.3 Advice for firefighters**

As appropriate for surrounding fire.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Wear suitable gloves if prolonged skin contact is likely.

**6.2 Environmental precautions**

Do not release large quantities into the surface water or into drains.

**6.3 Methods and material for containment and cleaning up**

Adsorb spillages onto sand, earth or any suitable adsorbent material.

**6.4 Reference to other sections**

See Also Section 8, 13.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

Not known.

**7.2 Conditions for safe storage, including any incompatibilities**

Storage temperature                      Ambient.

Storage life                                    Stable under normal conditions.

Incompatible materials                    None known.

**7.3 Specific end use(s)**

Lubricating oil.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters**

## 8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Calcium hydroxide	1305-62-0		5			
Calcium hydroxide - Respirable fraction	1305-62-0		1		4	
Diphenylamine	122-39-4		10		20	

Region                      Source  
 United Kingdom            UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

**AD TEC 2 0W/20**

Remark                      Notes

**8.2 Exposure controls**

8.2.1. Appropriate engineering controls    Ensure adequate ventilation.

8.2.2. Personal protection equipment



Eye Protection                      Wear eye protection with side protection (EN166).



Skin protection                      Not normally required.



Respiratory protection                  Normally no personal respiratory protection is necessary.



Thermal hazards                      None known.

8.2.3. Environmental Exposure Controls    Do not release large quantities into the surface water or into drains.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**
**9.1 Information on basic physical and chemical properties**

Physical state	Liquid.
Colour	Amber.
Odour	Characteristic odour.
Melting point/freezing point	Not known.
Boiling point or initial boiling point and boiling range	Not known.
Flammability	Not known.
Lower and upper explosion limit	Not known.
Flash Point	>200 °C.
Auto-ignition temperature	Not known.
Decomposition Temperature	Not known.
pH	Not known.
Kinematic Viscosity	=45 mm <sup>2</sup> /s 40 °C
Solubility	Solubility (Water) : Not known. Solubility (Other) : Not known.
Partition coefficient n-octanol/water (log value)	Not known.
Vapour pressure	Not known.
Density and/or relative density	0.845 g/cm <sup>3</sup> - Relative density: 15 °C.
Relative vapour density	Not known.
Particle characteristics	Not known.

**AD TEC 2 0W/20****9.2 Other information**

None.

**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity**

None anticipated.

**10.2 Chemical Stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known if used for its intended purpose.

**10.4 Conditions to avoid**

None anticipated.

**10.5 Incompatible materials**

Not known.

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute toxicity - Ingestion	Calculation method : Not classified. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 1000000.00000
Acute toxicity - Skin Contact	Calculation method : Not classified. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 1000000.00000
Acute toxicity - Inhalation	Calculation method : Not classified. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 37037.04000
Skin corrosion/irritation	Calculation method : Not classified.
Serious eye damage/irritation	Calculation method : Not classified.
Skin sensitization data	Calculation method : Not classified.
Respiratory sensitization data	Calculation method : Not classified.
Germ cell mutagenicity	Calculation method : Not classified.
Carcinogenicity	Calculation method : Not classified.
Reproductive toxicity	Calculation method : Not classified.
Lactation	Calculation method : Not classified.
STOT - single exposure	Calculation method : Not classified.
STOT - repeated exposure	Calculation method : Not classified.
Aspiration hazard	Calculation method : Not classified.

**11.2 Information on other hazards**

Not known.

**SECTION 12: ECOLOGICAL INFORMATION**

**AD TEC 2 0W/20****12.1 Toxicity**

Toxicity - Aquatic invertebrates	Low toxicity to invertebrates.
Toxicity - Fish	Low toxicity to fish.
Toxicity - Algae	Low toxicity to algae.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

**12.2 Persistence and degradability**

Not known.

**12.3 Bioaccumulative potential**

Not known.

**12.4 Mobility in soil**

Not known.

**12.5 Results of PBT and vPvB assessment**

Not known.

**12.6 Endocrine disrupting properties**

None known.

**12.7 Other adverse effects**

Not known.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Dispose at suitable refuse site.

**13.2 Additional Information**

No special precautions are required for this product.

**SECTION 14: TRANSPORT INFORMATION****Not classified as hazardous for transport.****14.1 UN number or ID number**

Not applicable

**14.2 UN proper shipping name**

Not applicable

**14.3 Transport hazard class(es)**

Not applicable

**14.4 Packing group**

Not applicable

**14.5 Environmental hazards**

Not classified as a Marine Pollutant.

**14.6 Special precautions for user**

Not known

**AD TEC 2 0W/20****14.7 Maritime transport in bulk according to IMO instruments**

Not known

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

High Concern for Authorisation

REACH: ANNEX XIV list of substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Carcinogens: category 1B (72623-87-1), Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts (85940-28-9), reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0), reaction product of cocoalkyldiethanolamides and cocoalkylmonoglycerides and molybdenumtrioxide (1.75-2.2: 0.75-1.0:0.1-1.1) (), Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts (70024-69-0), calcium dihydroxide (1305-62-0), methyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (6386-38-5), diphenylamine (122-39-4)

Community Rolling Action Plan (CoRAP) Not listed

Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Diphenylamine (122-39-4)

**National regulations**

Other Not known.

**15.2 Chemical Safety Assessment**

A REACH chemical safety assessment has not been carried out.

**SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements:

**LEGEND**

Hazard Pictogram(s) None.

GHS05: GHS: Corrosion

GHS06: GHS: Skull and crossbones

GHS07: GHS: Exclamation mark



**AD TEC 2 0W/20**

	GHS08: GHS: Health hazard
	GHS09: GHS: Environment
Hazard classification	Acute Tox. 3 : Acute toxicity, Category 3 Asp. Tox. 1 : Aspiration hazard, Category 1 Acute Tox. 3 : Acute toxicity, Category 3 Skin Irrit. 2 : Skin corrosion/irritation, Category 2 Skin Sens. 1B : Skin sensitization, Category 1B Eye Dam. 1 : Serious eye damage/irritation, Category 1 Acute Tox. 3 : Acute toxicity, Category 3 STOT SE 3 : Specific target organ toxicity — single exposure, Category 3 STOT RE 2 : Specific target organ toxicity — repeated exposure, Category 2 Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1 Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1 Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2 Aquatic Chronic 4 : Hazardous to the aquatic environment, Chronic, Category 4
Hazard Statement(s)	H301: Toxic if swallowed. H304: May be fatal if swallowed and enters airways. H311: Toxic in contact with skin. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H331: Toxic if inhaled. H335: May cause respiratory irritation. H373: May cause damage to organs through prolonged or repeated exposure. 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. H413: May cause long lasting harmful effects to aquatic life.
Precautionary Statement(s)	None.
Acronyms	ATE : Acute Toxicity Estimate CAS : Chemical Abstracts Service CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures DNEL : Derived No Effect Level EC : European Community EINECS : European Inventory of Existing Commercial Chemical Substances LTEL : Long term exposure limit

**AD TEC 2 0W/20**

PBT : Persistent, Bioaccumulative and Toxic

PNEC : Predicted No Effect Concentration

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

STEL : Short term exposure limit

STOT : Specific Target Organ Toxicity

vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for Regulation (EC) No. 1272/2008 (CLP)  
data used to compile the SDS

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