

**Bremen Autotechnik Power Steering Fluid**

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 Bremen Autotechnik Power Steering Fluid  
Product code PCR010  
Unique Formula Identifier (UFI) K0N0-T0HC-P00V-HADU

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

Identified Use(s) Automatic Transmission Fluid  
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 Granville Oil & Chemicals Ltd.  
Address of Supplier 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

**1.4 Emergency telephone number**

Emergency Phone No. +44 (0)1709 890099

Contact Granville Lab

**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)

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Product Name	Bremen Autotechnik Power Steering Fluid
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.

Unique Formula Identifier (UFI) K0N0-T0HC-P00V-HADU

**2.3 Other hazards**

None known.

**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)
oxydipropyl dibenzoate	27138-31-4	248-258-5	<1	Aquatic Chronic 3 H412	None
2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4	<1	Aquatic Acute 1 H400 Aquatic Chronic 1 H410	GHS09
Sulfonic acids, petroleum, calcium salts	61789-86-4	263-093-9	<0.5	Skin Sens. 1B H317	GHS07
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6	271-529-4	<0.5	Skin Sens. 1B H317	GHS07
5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	72676-55-2	276-763-0	<0.5	Skin Sens. 1 H317 Aquatic Chronic 2 H411	GHS07 GHS09
Naphtha (petroleum), hydrotreated heavy Low boiling point hydrogen treated naphtha [A complex combination of hydrocarbons	64742-48-9	265-150-3	<0.5	Asp. Tox. 1 H304	GHS08

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obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).]					
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Contains no non-classified vPvB substances.

Contains no non-classified 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**

May cause an allergic skin reaction.

**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, CO <sub>2</sub> or dry Powder.
Unsuitable extinguishing media	Do not use water.

**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**

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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)**

Automatic Transmission Fluid

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

## 8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTTEL (8 hr TWA ppm)	LTTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
2,6-Di-tert-butyl-p-cresol	128-37-0		10			

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

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                      Wear Impervious Gloves (EN374)



Respiratory protection                      In case of insufficient ventilation, wear suitable respiratory equipment.

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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	Red
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	= 43 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	Density (g/ml) : 0.864 g/cm <sup>3</sup> - Relative density : 15 °C
Relative vapour density	Not known.
Particle characteristics	Not known.

**9.2 Other information****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.

**Bremen Autotechnik Power Steering Fluid****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.
Acute toxicity - Skin Contact	Calculation method : Not classified.
Acute toxicity - Inhalation	Calculation method : Not classified.
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****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**

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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

**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 Not listed

subject to authorisation

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

Sulfonic acids, petroleum, calcium salts (61789-86-4), Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts (68584-23-6), 5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione (72676-55-2), Naphtha (petroleum), hydrotreated heavy Low boiling point hydrogen treated naphtha [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).]

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(64742-48-9), oxydipropyl dibenzoate (27138-31-4), 2,6-di-tert-butyl-p-cresol (128-37-0)

Community Rolling Action Plan (CoRAP) oxydipropyl dibenzoate (27138-31-4), 2,6-di-tert-butyl-p-cresol (128-37-0)

Regulation (EC) N° 850/2004 of the Not listed

European Parliament and of the Council  
on persistent organic pollutants

Regulation (EC) N° 1005/2009 on Not listed

substances that deplete the ozone layer

Regulation (EU) N° 649/2012 of the Not listed

European Parliament and of the Council

concerning the export and import of

hazardous chemicals

**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.

GHS07: GHS: Exclamation mark

GHS08: GHS: Health hazard

GHS09: GHS: Environment

Hazard classification

Asp. Tox. 1 : Aspiration hazard, Category 1

Skin Sens. 1 : Skin sensitization, Category 1

Skin Sens. 1B : Skin sensitization, Category 1B

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 3 : Hazardous to the aquatic environment, Chronic, Category 3

Hazard Statement(s)

H304: May be fatal if swallowed and enters airways.

H317: May cause an allergic skin reaction.



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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.

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

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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