

# SAFETY DATA SHEET



Castrol Transmax Agri Trans 80W

## Section 1. Identification

**GHS product identifier** Castrol Transmax Agri Trans 80W  
**SDS #** 469635  
**Product code** 469635-BR14

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

**Identified uses** Multi-purpose lubricant for engines, transmissions and hydraulic systems of tractors and agricultural equipment.  
For specific application advice see appropriate Technical Data Sheet or consult our company representative.

**Uses advised against** Consult with experts for use other than relevant identified use.

**Supplier's details** CASTROL BRASIL LTDA.  
Avenida das Américas no. 3.434, bloco 07,  
salas 301 a 308, Barra da Tijuca,  
Rio de Janeiro/RJ, CEP 22.640-102.  
Brasil

**EMERGENCY SPILL INFORMATION:** +55 0800 7040 720 (24h)

**e-mail address of person responsible for this SDS** MSDSadvice@bp.com

## Section 2. Hazards identification

**Classification of the substance or mixture** AQUATIC HAZARD (LONG-TERM) - Category 3

### GHS label elements

**Signal word** No signal word.

**Hazard statements** H412 - Harmful to aquatic life with long lasting effects.

### Precautionary statements

**General** P102 - Keep out of reach of children.  
P101 - If medical advice is needed, have product container or label at hand.

**Prevention** P273 - Avoid release to the environment.

**Response** Not applicable.

**Storage** Not applicable.

**Disposal** P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Other hazards which do not result in classification**

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## Section 2. Hazards identification

Defatting to the skin.

### USED ENGINE OILS

Used engine oil may contain hazardous components which have the potential to cause skin cancer.

See Toxicological Information, section 11 of this Safety Data Sheet.

### Note: High Pressure Applications

Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency.

See 'Notes to physician' under First-Aid Measures, Section 4 of this Safety Data Sheet.

## Section 3. Composition/information on ingredients

### Substance/mixture

Mixture

Highly refined base oil (IP 346 DMSO extract < 3%). Proprietary performance additives.

Ingredient name	%	Identifiers	Classification
Distillates (petroleum), hydrotreated heavy paraffinic	≥25 - ≤50	CAS: 64742-54-7	Not classified as hazardous according to ABNT NBR 14725
Distillates (petroleum), solvent-dewaxed heavy paraffinic	≥25 - ≤50	CAS: 64742-65-0	Not classified as hazardous according to ABNT NBR 14725
Zinc bis[O,O-bis(2-ethylhexyl)] bis (dithiophosphate)	<2.5	CAS: 4259-15-8	ACUTE TOXICITY (oral) - Category 5 SERIOUS EYE DAMAGE - Category 1 AQUATIC HAZARD (ACUTE) - Category 2 AQUATIC HAZARD (LONG-TERM) - Category 2
Distillates (petroleum), solvent-dewaxed heavy paraffinic	≤3	CAS: 64742-65-0	ASPIRATION HAZARD - Category 1
Distillates (petroleum), solvent-dewaxed light paraffinic	≤3	CAS: 64742-56-9	ASPIRATION HAZARD - Category 1
Borate ester	<1	-	SKIN SENSITIZATION - Category 1B
O,O,O-triphenyl phosphorothioate	≤0.1	CAS: 597-82-0	AQUATIC HAZARD (LONG-TERM) - Category 1

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

#### Eye contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses. Get medical attention.

#### Inhalation

If inhaled, remove to fresh air. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Get medical attention if symptoms occur.

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## Section 4. First aid measures

<b>Skin contact</b>	Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur. If skin irritation or rash occurs: Get medical attention.
<b>Ingestion</b>	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Get medical attention if adverse health effects persist or are severe.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

<b>Eye contact</b>	No known significant effects or critical hazards.
<b>Inhalation</b>	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
<b>Skin contact</b>	Defatting to the skin. May cause skin dryness and irritation.
<b>Ingestion</b>	No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

<b>Eye contact</b>	No specific data.
<b>Inhalation</b>	May be harmful by inhalation if exposure to vapor, mists or fumes resulting from thermal decomposition products occurs.
<b>Skin contact</b>	Adverse symptoms may include the following: irritation dryness cracking
<b>Ingestion</b>	No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

<b>Notes to physician</b>	Treatment should in general be symptomatic and directed to relieving any effects. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Note: High Pressure Applications Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency. Injuries may not appear serious at first but within a few hours tissue becomes swollen, discolored and extremely painful with extensive subcutaneous necrosis. Surgical exploration should be undertaken without delay. Thorough and extensive debridement of the wound and underlying tissue is necessary to minimize tissue loss and prevent or limit permanent damage. Note that high pressure may force the product considerable distances along tissue planes.
<b>Specific treatments</b>	No specific treatment.
<b>Protection of first-aiders</b>	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

<b>Suitable extinguishing media</b>	Use foam or all-purpose dry chemical to extinguish.
<b>Unsuitable extinguishing media</b>	Do not use water jet.

## Section 5. Fire-fighting measures

### **Specific hazards arising from the chemical**

Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects.

### **Hazardous thermal decomposition products**

Combustion products may include the following:  
phosphorus oxides  
metal oxide/oxides  
carbon oxides (CO, CO<sub>2</sub>) (carbon monoxide, carbon dioxide)  
sulfur oxides (SO, SO<sub>2</sub> etc.)  
nitrogen oxides (NO, NO<sub>2</sub> etc.)

### **Special protective actions for fire-fighters**

No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.

### **Special protective equipment for fire-fighters**

Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

## Section 6. Accidental release measures

### **Personal precautions, protective equipment and emergency procedures**

#### **For non-emergency personnel**

Contact emergency personnel. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Put on appropriate personal protective equipment. Floors may be slippery; use care to avoid falling.

#### **For emergency responders**

Entry into a confined space or poorly ventilated area contaminated with vapor, mist or fume is extremely hazardous without the correct respiratory protective equipment and a safe system of work. Wear self-contained breathing apparatus. Wear a suitable chemical protective suit. Chemical resistant boots. See also the information in "For non-emergency personnel".

### **Environmental precautions**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

### **Methods and materials for containment and cleaning up**

#### **Small spill**

Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

#### **Large spill**

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Contaminated absorbent material may pose the same hazard as the spilled product. Dispose of via a licensed waste disposal contractor.

## Section 7. Handling and storage

### **Precautions for safe handling**

#### **Protective measures**

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Avoid contact of spilled material and runoff with soil and surface waterways.

## Section 7. Handling and storage

### Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. Contaminated work clothing should not be allowed out of the workplace. See also Section 8 for additional information on hygiene measures.

### Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Store and use only in equipment/containers designed for use with this product. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

### Not suitable

Prolonged exposure to elevated temperature.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
Distillates (petroleum), hydrotreated heavy paraffinic	<b>ACGIH TLV (United States) [Mineral Oil, pure, highly and severely refined] A4.</b> TWA 8 hours: 5 mg/m <sup>3</sup> . Form: Inhalable fraction. Issued/Revised: 11/2009.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	<b>ACGIH TLV (United States) [Mineral Oil, pure, highly and severely refined] A4.</b> TWA 8 hours: 5 mg/m <sup>3</sup> . Form: Inhalable fraction. Issued/Revised: 11/2009.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	<b>ACGIH TLV (United States) [Mineral Oil, pure, highly and severely refined] A4.</b> TWA 8 hours: 5 mg/m <sup>3</sup> . Form: Inhalable fraction. Issued/Revised: 11/2009.
Distillates (petroleum), solvent-dewaxed light paraffinic	<b>ACGIH TLV (United States) [Mineral Oil, pure, highly and severely refined] A4.</b> TWA 8 hours: 5 mg/m <sup>3</sup> . Form: Inhalable fraction. Issued/Revised: 11/2009.

#### Biological exposure indices

No exposure indices known.

### Appropriate engineering controls

All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after other forms of control measures (e.g. engineering controls) have been suitably evaluated. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained.

Your supplier of personal protective equipment should be consulted for advice on selection and appropriate standards. For further information contact your national organisation for standards.

Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits. The final choice of protective equipment will depend upon a risk assessment. It is important to ensure that all items of personal protective equipment are compatible.

### Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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## Section 8. Exposure controls/personal protection

### Individual protection measures

#### Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### Eye/face protection

Safety glasses with side shields.

#### Skin protection

##### Hand protection

Wear protective gloves if prolonged or repeated contact is likely. Wear chemical resistant gloves. Recommended: Nitrile gloves. The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

##### Skin protection

Use of protective clothing is good industrial practice. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Cotton or polyester/cotton overalls will only provide protection against light superficial contamination that will not soak through to the skin. Overalls should be laundered on a regular basis. When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required.

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment. Safety procedures should be developed for each intended application. Respiratory protection equipment should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

## Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### Appearance

Physical state	Liquid.
Color	Brown.
Odor	Not available.
Odor threshold	Not available.
pH	Not applicable.
Melting point/freezing point	Not available.
Boiling point or initial boiling point and boiling range	Not available.
Flash point	Open cup: >190°C (>374°F) [Cleveland ASTM D 92]
Evaporation rate	Not available.
Flammability	Not available.
Lower and upper explosion limit/flammability limit	Not available.
Vapor pressure	

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## Section 9. Physical and chemical properties

Ingredient name	Vapor Pressure at 20°C			Vapor pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
Distillates (petroleum), hydrotreated heavy paraffinic	<0.07501	<0.01	ASTM D 5191			
Distillates (petroleum), solvent-dewaxed heavy paraffinic	<0.07501	<0.01	ASTM D 5191			
Zinc bis[O,O-bis(2-ethylhexyl)] bis (dithiophosphate)	0.0000032	0.00000043	EU A.4	0.000034	0.0000045	EU A.4
Distillates (petroleum), solvent-dewaxed heavy paraffinic	<0.07501	<0.01	ASTM D 5191			
Distillates (petroleum), solvent-dewaxed light paraffinic	<0.07501	<0.01	ASTM D 5191			

**Relative vapor density** Not available.

**Relative density** Not available.

**Density** <1000 kg/m<sup>3</sup> (<1 g/cm<sup>3</sup>) at 15°C

### Solubility(ies)

Media	Result
water	Not soluble

**Solubility in water** Not available.

**Partition coefficient n-octanol/water (log Pow)** Not applicable.

**Auto-ignition temperature** Not available.

**Decomposition temperature** Not available.

**Viscosity** Kinematic: 54 mm<sup>2</sup>/s (54 cSt) at 40°C  
Kinematic: 9.8 to 11.5 mm<sup>2</sup>/s (9.8 to 11.5 cSt) at 100°C

### Particle characteristics

**Median particle size** Not applicable.

**Shape** Not applicable.

## Section 10. Stability and reactivity

**Reactivity** No specific test data available for this product. Refer to Conditions to avoid and Incompatible materials for additional information.

**Chemical stability** The product is stable.

**Possibility of hazardous reactions** Under normal conditions of storage and use, hazardous reactions will not occur.  
Under normal conditions of storage and use, hazardous polymerization will not occur.

**Conditions to avoid** Avoid all possible sources of ignition (spark or flame).

**Incompatible materials** Reactive or incompatible with the following materials: oxidizing materials.

**Hazardous decomposition products** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# Section 11. Toxicological information

## Information on toxicological effects

### Acute toxicity

#### **Product/ingredient name**

Distillates (petroleum), hydrotreated heavy paraffinic

#### **Result**

**Rat - Oral - LD50**  
>5000 mg/kg  
OECD 401

#### **Rabbit - Dermal - LD50**

>5000 mg/kg  
OECD 402

#### **Rat - Inhalation - LC50 Dusts and mists**

>5 mg/l [4 hours]  
OECD 403

Distillates (petroleum), solvent-dewaxed heavy paraffinic

#### **Rat - Oral - LD50**

>5000 mg/kg  
OECD 401

#### **Rat - Dermal - LD50**

>2000 mg/kg  
OECD 402

#### **Rat - Inhalation - LC50 Dusts and mists**

>5.53 mg/l [4 hours]  
OECD 403

Zinc bis[O,O-bis(2-ethylhexyl)] bis (dithiophosphate)

#### **Rat - Oral - LD50**

3100 mg/kg  
OECD 401

#### **Rat - Dermal - LD50**

>5000 mg/kg  
OECD 402

Distillates (petroleum), solvent-dewaxed heavy paraffinic

#### **Rat - Oral - LD50**

>5000 mg/kg  
OECD 401

#### **Rat - Dermal - LD50**

>2000 mg/kg  
OECD 402

#### **Rat - Inhalation - LC50 Dusts and mists**

>5.53 mg/l [4 hours]  
OECD 403

Distillates (petroleum), solvent-dewaxed light paraffinic

#### **Rat - Oral - LD50**

>5000 mg/kg  
OECD 401

#### **Rabbit - Dermal - LD50**

>5000 mg/kg  
OECD 402

#### **Rat - Inhalation - LC50 Dusts and mists**

>2.18 mg/l [4 hours]  
OECD 403

### Skin corrosion/irritation

#### **Product/ingredient name**

#### **Result**

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## Section 11. Toxicological information

Distillates (petroleum), hydrotreated heavy paraffinic  
 Distillates (petroleum), solvent-dewaxed heavy paraffinic  
 Zinc bis[O,O-bis(2-ethylhexyl)] bis (dithiophosphate)  
 Distillates (petroleum), solvent-dewaxed heavy paraffinic  
 Distillates (petroleum), solvent-dewaxed light paraffinic

### Serious eye damage/eye irritation

#### **Product/ingredient name**

Distillates (petroleum), hydrotreated heavy paraffinic  
 Distillates (petroleum), solvent-dewaxed heavy paraffinic  
 Distillates (petroleum), solvent-dewaxed heavy paraffinic  
 Distillates (petroleum), solvent-dewaxed light paraffinic

### Respiratory or skin sensitization

#### **Product/ingredient name**

Distillates (petroleum), hydrotreated heavy paraffinic  
  
 Distillates (petroleum), solvent-dewaxed heavy paraffinic  
  
 Zinc bis[O,O-bis(2-ethylhexyl)] bis (dithiophosphate)  
  
 Distillates (petroleum), solvent-dewaxed heavy paraffinic  
  
 Distillates (petroleum), solvent-dewaxed light paraffinic

**Rabbit - Skin - Mild irritant**  
 OECD 404  
**Rabbit - Skin - Non-irritant to skin.**

**Rabbit - Skin - Non-irritant to skin.**  
Duration of treatment/exposure: 4 hours  
**Rabbit - Skin - Non-irritant to skin.**

**Rabbit - Skin - Non-irritant to skin.**

#### **Result**

**Rabbit - Eyes - Non-irritating to the eyes.**  
 OECD 405  
**Rabbit - Eyes - Non-irritating to the eyes.**  
 OECD 405  
**Rabbit - Eyes - Non-irritating to the eyes.**  
 OECD 405  
**Rabbit - Eyes - Non-irritating to the eyes.**  
 OECD 405

#### **Result**

**Guinea pig - skin**  
 OECD 406  
Result: Not sensitizing  
**Guinea pig - skin**  
 OECD 406  
Result: Not sensitizing  
**Guinea pig - skin**  
 OECD 406  
Result: Not sensitizing  
**Guinea pig - skin**  
 OECD 406  
Result: Not sensitizing  
**Guinea pig - skin**  
 OECD 406  
Result: Not sensitizing

<b>Product/ingredient name</b>	<b>Hazard class</b>	<b>Category</b>
Borate ester	SKIN SENSITIZATION	Category 1B

### Germ cell mutagenicity

#### **Product/ingredient name**

Distillates (petroleum), hydrotreated heavy paraffinic  
  
  
  
  
  
  
  
 Distillates (petroleum), solvent-dewaxed heavy paraffinic

#### **Result**

**In vitro - Bacteria**  
 Bacterial Reverse Mutation Test  
Result: Negative  
**In vitro - Mammal - species unspecified**  
 In vitro Mammalian Chromosomal Aberration Test  
Result: Negative  
**In vivo - Mammal - species unspecified**  
 Mammalian Erythrocyte Micronucleus Test  
Result: Negative  
**In vitro - Mammal - species unspecified**  
 In vitro Mammalian Cell Gene Mutation Test  
Result: Negative  
**In vitro - Bacteria**  
 OECD [Bacterial Reverse Mutation Test]  
Result: Negative

## Section 11. Toxicological information

Distillates (petroleum), solvent-dewaxed heavy paraffinic

### **In vitro - Mammal - species unspecified**

OECD [In vitro Mammalian Chromosomal Aberration Test]

Result: Negative

### **In vitro - Bacteria**

OECD [Bacterial Reverse Mutation Test]

Result: Negative

### **In vitro - Mammal - species unspecified**

OECD [In vitro Mammalian Chromosomal Aberration Test]

Result: Negative

### **In vitro - Bacteria**

OECD [Bacterial Reverse Mutation Test]

Result: Negative

### **In vitro - Mammal - species unspecified**

In vitro Mammalian Chromosomal Aberration Test

Result: Negative

Distillates (petroleum), solvent-dewaxed light paraffinic

### Carcinogenicity

#### **Product/ingredient name**

Distillates (petroleum), hydrotreated heavy paraffinic

#### **Result**

#### **Mouse - Dermal - Unspecified**

OECD 451

Result: Negative

#### **Mouse - Dermal - Unspecified**

OECD 451

Result: Negative

#### **Mouse - Dermal - Unspecified**

OECD 451

Result: Negative

Distillates (petroleum), solvent-dewaxed heavy paraffinic

Distillates (petroleum), solvent-dewaxed heavy paraffinic

<b>Product/ingredient name</b>	<b>Category</b>	<b>Route of exposure</b>
Not available.		

### Classification

Not available.

### Reproductive toxicity

#### **Product/ingredient name**

Distillates (petroleum), hydrotreated heavy paraffinic

#### **Result**

#### **Rat - Oral**

OECD 421

Maternal toxicity: Negative

Fertility effects: Negative

Developmental: Negative

Distillates (petroleum), solvent-dewaxed heavy paraffinic

#### **Rat - Oral**

OECD 421

Maternal toxicity: Negative

Fertility effects: Negative

Developmental: Negative

Distillates (petroleum), solvent-dewaxed heavy paraffinic

#### **Rat - Oral**

OECD 421

Maternal toxicity: Negative

Fertility effects: Negative

Developmental: Negative

Distillates (petroleum), solvent-dewaxed light paraffinic

#### **Rat - Oral**

OECD 421

Maternal toxicity: Negative

Fertility effects: Negative

Developmental: Negative

<b>Product/ingredient name</b>	<b>Hazard class</b>	<b>Category</b>	<b>Route of exposure</b>	<b>Effects</b>
Not available.				

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## Section 11. Toxicological information

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

#### **Product/ingredient name**

#### **Result**

Distillates (petroleum), solvent-dewaxed heavy paraffinic

ASPIRATION HAZARD - Category 1

Distillates (petroleum), solvent-dewaxed light paraffinic

ASPIRATION HAZARD - Category 1

### Information on the likely routes of exposure

Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

### Potential acute health effects

#### **Eye contact**

No known significant effects or critical hazards.

#### **Inhalation**

Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

#### **Skin contact**

Defatting to the skin. May cause skin dryness and irritation.

#### **Ingestion**

No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

#### **Eye contact**

No specific data.

#### **Inhalation**

May be harmful by inhalation if exposure to vapor, mists or fumes resulting from thermal decomposition products occurs.

#### **Skin contact**

Adverse symptoms may include the following:  
irritation  
dryness  
cracking

#### **Ingestion**

No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### **Eye contact**

Potential risk of transient stinging or redness if accidental eye contact occurs.

#### **Skin contact**

Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

#### **Ingestion**

Ingestion of large quantities may cause nausea and diarrhea.

#### **Short term exposure**

##### **Potential immediate effects**

Not available.

##### **Potential delayed effects**

Not available.

#### **Long term exposure**

##### **Potential immediate effects**

Not available.

##### **Potential delayed effects**

Not available.

### Potential chronic health effects

#### **General**

USED ENGINE OILS

Combustion products resulting from the operation of internal combustion engines contaminate engine oils during use. Used engine oil may contain hazardous components which have the potential to cause skin cancer. Frequent or prolonged contact with all types and makes of used engine oil must therefore be avoided and a high standard of personal hygiene maintained.

#### **Carcinogenicity**

No known significant effects or critical hazards.

#### **Mutagenicity**

No known significant effects or critical hazards.

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## Section 11. Toxicological information

**Developmental effects** No known significant effects or critical hazards.

**Fertility effects** No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Oral	178664.38 mg/kg

## Section 12. Ecological information

### Ecotoxicity

#### **Product/ingredient name**

Distillates (petroleum), hydrotreated heavy paraffinic

#### **Result**

##### **Acute - EL50**

OECD 201  
Algae  
>100 mg/l [72 hours]

##### **Acute - EL50**

OECD 202  
Daphnia  
>10000 mg/l [48 hours]

##### **Acute - LL50**

OECD 203  
Fish  
>100 mg/l [96 hours]

##### **Chronic - NOEL**

OECD 201  
Algae  
≥100 mg/l [72 hours]

##### **Chronic - NOEL**

OECD 211  
Daphnia  
10 mg/l [21 days]

Distillates (petroleum), solvent-dewaxed heavy paraffinic

##### **Acute - EL50**

OECD 201  
Algae  
>100 mg/l [72 hours]

##### **Acute - EL50**

OECD 202  
Daphnia  
>10000 mg/l [48 hours]

##### **Acute - LL50**

OECD 203  
Fish  
>100 mg/l [96 hours]

##### **Chronic - NOEL**

OECD 201  
Algae  
≥100 mg/l [72 hours]

##### **Chronic - NOEL**

OECD 211  
Daphnia  
10 mg/l [21 days]

Zinc bis[O,O-bis(2-ethylhexyl)] bis (dithiophosphate)

##### **Acute - ErL50**

OECD 201  
Algae  
410 mg/l [72 hours]

##### **Acute - ErL50**

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## Section 12. Ecological information

Distillates (petroleum), solvent-dewaxed heavy paraffinic	OECD 202
	Daphnia
	75 mg/l [48 hours]
	<b>Chronic - NOEC</b>
	OECD 211
	Daphnia
	0.4 mg/l [21 days]
	<b>Acute - LL50</b>
	OECD 203
	Fish
4.4 mg/l [96 hours]	
<b>Acute - EL50</b>	
OECD 201	
Algae	
>100 mg/l [72 hours]	
<b>Acute - EL50</b>	
OECD 202	
Daphnia	
>10000 mg/l [48 hours]	
<b>Acute - LL50</b>	
OECD 203	
Fish	
>100 mg/l [96 hours]	
<b>Chronic - NOEL</b>	
OECD 201	
Algae	
≥100 mg/l [72 hours]	
<b>Chronic - NOEL</b>	
OECD 211	
Daphnia	
10 mg/l [21 days]	
<b>Acute - EL50</b>	
OECD 201	
Algae	
>100 mg/l [72 hours]	
<b>Acute - EL50</b>	
OECD 202	
Daphnia	
>10000 mg/l [48 hours]	
<b>Acute - LL50</b>	
OECD 203	
Fish	
>100 mg/l [96 hours]	
<b>Chronic - NOEL</b>	
OECD 201	
Algae	
≥100 mg/l [72 hours]	
<b>Chronic - NOEL</b>	
OECD 211	
Daphnia	
10 mg/l [21 days]	

### Persistence/degradability

No testing has been performed by the manufacturer.

**Product/ingredient name**

**Result**

## Section 12. Ecological information

Distillates (petroleum), hydrotreated heavy paraffinic	OECD 301F 31% [28 days] - Not readily
Distillates (petroleum), solvent-dewaxed heavy paraffinic	OECD 301F 31% [28 days] - Not readily
Zinc bis[O,O-bis(2-ethylhexyl)] bis (dithiophosphate)	<5% [27 days] - Not readily
Distillates (petroleum), solvent-dewaxed heavy paraffinic	OECD 301F 31% [28 days] - Not readily
Distillates (petroleum), solvent-dewaxed light paraffinic	OECD 301F 31% [28 days] - Not readily

### Bioaccumulative potential

This product is not expected to bioaccumulate through food chains in the environment.

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Zinc bis[O,O-bis(2-ethylhexyl)] bis (dithiophosphate)	3.59	-	Low

### Mobility in soil

**Soil/Water partition coefficient** Not available.

**Mobility** Spillages may penetrate the soil causing ground water contamination.

### Other ecological information

Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

## Section 13. Disposal considerations

### Disposal methods

The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	Brazil (ANTT)	IMDG	IATA
<b>UN number</b>	Not regulated.	Not regulated.	Not regulated.
<b>UN proper shipping name</b>	-	-	-
<b>Transport hazard class(es)</b>	-	-	-
<b>Packing group</b>	-	-	-
<b>Environmental hazards</b>	No.	No.	No.

**Special precautions for user** Not available.

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## Section 14. Transport information

Transport in bulk according to IMO instruments Not available.

## Section 15. Regulatory information

This safety data sheet was prepared in accordance with the Brazilian Standard (NBR 14725)

### Montreal Protocol

Not listed.

### Stockholm Convention on Persistent Organic Pollutants

Not listed.

### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

<b>Australia inventory (AIC)</b>	All components are listed or exempted.
<b>Canada inventory</b>	All components are listed or exempted.
<b>China inventory (IECSC)</b>	At least one component is not listed.
<b>REACH Status</b>	For the REACH status of this product please consult your company contact, as identified in Section 1.
<b>Japan inventory (CSCL)</b>	At least one component is not listed.
<b>Korea inventory (KECI)</b>	All components are listed or exempted.
<b>Philippines inventory (PICCS)</b>	At least one component is not listed.
<b>Taiwan Chemical Substances Inventory (TCSI)</b>	All components are listed or exempted.
<b>United States inventory (TSCA 8b)</b>	All components are active or exempted.

## Section 16. Other information

### History

**Date of printing** 04/02/2026.

**Date of issue/Date of revision** 04/02/2026.

**Date of previous issue** 02/11/2025.

**Version** 2.01

**Prepared by** Product Stewardship

### Key to abbreviations

ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
IMO = International Maritime Organization  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
N/A = Not available  
SGG = Segregation Group

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## Section 16. Other information

UN = United Nations

### Procedure used to derive the classification

Classification	Justification
AQUATIC HAZARD (LONG-TERM) - Category 3	Calculation method

### References

Not available.

✔ Indicates information that has changed from previously issued version.

### Notice to reader

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below.

The data and advice given apply when the product is sold and applied for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from us.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The BP Group shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken.

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