

## Castrol Transmax CVT

Safety Data Sheet according to GB/T 16483-2008 and GB/T 17519-2013

**Section 1. Identification**

<b>GHS product identifier</b>	Castrol Transmax CVT
<b>Product code</b>	467204-CN04
<b>SDS #</b>	467204
<b><u>Relevant identified uses of the substance or mixture and uses advised against</u></b>	
<b>Use of the substance/ mixture</b>	Automatic transmission fluid For specific application advice see appropriate Technical Data Sheet or consult our company representative.
<b>Supplier</b>	Castrol (Shanghai) Management Co., Ltd. 3F, Building 5, No. 255 of Guiqiao Road, Shanghai P.R.C. 201206 Tel: +86 21 38605888
<b>EMERGENCY TELEPHONE NUMBER</b>	+86 (0)532 8388 9090

**Section 2. Hazards identification**

<b>Classification of the substance or mixture</b>	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 3
<b><u>GHS label elements</u></b>	
<b>Signal word</b>	No signal word.
<b>Hazard statements</b>	H402 - Harmful to aquatic life.
<b><u>Precautionary statements</u></b>	
<b>Prevention</b>	P273 - Avoid release to the environment.
<b>Response</b>	Not applicable.
<b>Storage</b>	Not applicable.
<b>Disposal</b>	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
<b>Other hazards which do not result in classification</b>	Defatting to the skin.

**Section 3. Composition/information on ingredients**

<b>Substance/mixture</b>	Mixture
Highly refined base oil (IP 346 DMSO extract < 3%). Proprietary performance additives.	

<b>Ingredient name</b>	<b>%</b>	<b>CAS number</b>
Distillates (petroleum), hydrotreated heavy paraffinic	≥25 - ≤50	CAS: 64742-54-7
Distillates (petroleum), hydrotreated light paraffinic	≤5	CAS: 64742-55-8
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	≤3	CAS: 72623-86-0
Distillates (petroleum), solvent-dewaxed heavy paraffinic	≤3	CAS: 64742-65-0
dimantine	≤0.19	CAS: 124-28-7
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	≤0.058	CAS: 95-38-5

<b>Product name</b> Castrol Transmax CVT	<b>Product code</b> 467204-CN04	<b>Page:</b> 1/16
<b>Version</b> 5.04 <b>Date of issue</b> 9/10/2025	<b>Format</b> China	<b>Language</b> ENGLISH
	China	(ENGLISH)

## Section 3. Composition/information on ingredients

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

<b>Eye contact</b>	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.
<b>Inhalation</b>	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.
<b>Skin contact</b>	Wash skin thoroughly with soap and water or use recognised 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 advice/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.

### 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.
<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.

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

See Section 11 for more detailed information on health effects and symptoms.

## Section 5. Firefighting 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.
<b>Specific hazards arising from the chemical</b>	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.
<b>Hazardous thermal decomposition products</b>	Combustion products may include the following: carbon oxides (CO, CO <sub>2</sub> ) (carbon monoxide, carbon dioxide) nitrogen oxides (NO, NO <sub>2</sub> etc.)
<b>Special protective actions for fire-fighters</b>	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.
<b>Special protective equipment for fire-fighters</b>	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 vapour 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 vapour, 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 material 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 the 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 vapour 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.

#### **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 unlabelled 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

None.

#### 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.

### 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.

## Section 8. Exposure controls/personal protection

### 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.

#### Colour

Red. [Dark]

#### Odour

Not available.

#### Odour threshold

Not available.

#### pH

Not applicable.

#### Melting point/freezing point

Not available.

#### Boiling point or initial boiling point and boiling range

Not available.

#### Drop Point

Not available.

#### Flash point

Open cup: >160°C (>320°F) [Cleveland ASTM D 92]

#### Evaporation rate

Not available.

#### Flammability

Not available.

#### Lower and upper explosion limit/flammability limit

Not available.

#### Vapour pressure

Ingredient name	Vapour Pressure at 20°C			Vapour 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), hydrotreated heavy paraffinic	<0.07501	<0.01	ASTM D 5191			
Distillates (petroleum), hydrotreated light paraffinic	<0.07501	<0.01	ASTM D 5191			
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	<0.07501	<0.01	ASTM D 5191			
Distillates (petroleum), solvent-dewaxed heavy paraffinic	<0.07501	<0.01	ASTM D 5191			

#### Relative vapour 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

## Section 9. Physical and chemical properties

<b>Partition coefficient: n-octanol/water</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Kinematic: 34.2 mm <sup>2</sup> /s (34.2 cSt) at 40°C Kinematic: 6.8 to 7.4 mm <sup>2</sup> /s (6.8 to 7.4 cSt) at 100°C
<b><u>Particle characteristics</u></b>	
<b>Median particle size</b>	Not applicable.

## Section 10. Stability and reactivity

<b>Reactivity</b>	No specific test data available for this product. Refer to Conditions to avoid and Incompatible materials for additional information.
<b>Chemical stability</b>	The product is stable.
<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerisation will not occur.
<b>Conditions to avoid</b>	Avoid all possible sources of ignition (spark or flame).
<b>Incompatible materials</b>	Reactive or incompatible with the following materials: oxidising materials.
<b>Hazardous decomposition products</b>	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), hydrotreated light paraffinic

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

>5000 mg/kg  
OECD 401

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

>5000 mg/kg  
OECD 402

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

>5.53 mg/l [4 hours]  
OECD 403

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based

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

>5000 mg/kg  
OECD 401

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

>2000 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

**Product name** Castrol Transmax CVT

**Product code** 467204-CN04 **Page:** 6/16

**Version** 5.04 **Date of issue** 9/10/2025

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China

(ENGLISH)

## Section 11. Toxicological information

dimantine

2-(2-heptadec-8-enyl-2-imidazolin-1-yl)  
ethanol

### **Ingredient name**

2-(2-heptadec-8-enyl-2-imidazolin-1-yl)  
ethanol

### **Skin corrosion/irritation**

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

Distillates (petroleum), hydrotreated heavy  
paraffinic  
Distillates (petroleum), hydrotreated light  
paraffinic  
Lubricating oils (petroleum), C15-30,  
hydrotreated neutral oil-based  
Distillates (petroleum), solvent-dewaxed  
heavy paraffinic  
dimantine

2-(2-heptadec-8-enyl-2-imidazolin-1-yl)  
ethanol

### **Serious eye damage/eye irritation**

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

Distillates (petroleum), hydrotreated heavy  
paraffinic  
Distillates (petroleum), hydrotreated light  
paraffinic  
Lubricating oils (petroleum), C15-30,  
hydrotreated neutral oil-based  
Distillates (petroleum), solvent-dewaxed  
heavy paraffinic  
dimantine

2-(2-heptadec-8-enyl-2-imidazolin-1-yl)  
ethanol

### **Respiratory corrosion/irritation**

Not available.

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

>2000 mg/kg  
OECD 402

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

>5.53 mg/l [4 hours]  
OECD 403

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

1230 mg/kg  
OECD 401

#### **Rabbit - Dermal - LC50**

8000 mg/kg  
TEPA and OECD

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

1265 mg/kg  
OECD 401

### **Conclusion/Summary**

Acute Dermal toxicity not conducted as corrosive to skin

### **Result**

#### **Rabbit - Skin - Mild irritant**

OECD 404

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

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

OECD 404

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

#### **Rabbit - Skin - Corrosive**

OECD 404

#### **Rabbit - Skin - Visible necrosis**

OECD 404

### **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

#### **Rabbit - Eyes - Visible necrosis**

OECD 405

#### **Rabbit - Eyes - Visible necrosis**

OECD 405



## Section 11. Toxicological information

### Respiratory or skin sensitization

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

Distillates (petroleum), hydrotreated heavy paraffinic

Distillates (petroleum), hydrotreated light paraffinic

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based

Distillates (petroleum), solvent-dewaxed heavy paraffinic

2-(2-heptadec-8-enyl-2-imidazolin-1-yl) ethanol

#### **Result**

##### **Guinea pig - skin**

OECD 406

Result: Not sensitising

##### **Guinea pig - skin**

OECD 406

Result: Not sensitising

##### **Guinea pig - skin**

OECD 406

Result: Not sensitising

##### **Guinea pig - skin**

OECD 406

Result: Not sensitising

##### **Guinea pig - skin**

OECD 406

Result: Not sensitising

### Germ Cell Mutagenicity

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

Distillates (petroleum), hydrotreated heavy paraffinic

Distillates (petroleum), hydrotreated light paraffinic

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based

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

##### **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 - Unspecified**

OECD [In vitro Mammalian Cell Gene Mutation Test]

Result: Negative

##### **In vivo - Mammal - species unspecified**

OECD [Mammalian Erythrocyte Micronucleus Test]

Result: Negative

##### **In vitro - Bacteria**

OECD [Bacterial Reverse Mutation Test]

Result: Negative

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

**Product name** Castrol Transmax CVT

**Product code** 467204-CN04 **Page:** 8/16

**Version** 5.04 **Date of issue** 9/10/2025

**Format** China

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China

(ENGLISH)



## Section 11. Toxicological information

dimantine	OECD [In vitro Mammalian Chromosomal Aberration Test] <u>Result</u> : Negative <b>In vivo - Bacteria</b> OECD 471 <u>Result</u> : Negative <b>In vitro - Mammalian-Animal</b> OECD 476 <u>Result</u> : Negative <b>In vitro - Bacteria</b> Bacterial Reverse Mutation Test <u>Result</u> : Negative <b>In vitro - Mammal - species unspecified</b> In vitro Mammalian Chromosomal Aberration Test <u>Result</u> : Negative
2-(2-heptadec-8-enyl-2-imidazolin-1-yl) ethanol	

### Carcinogenicity

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

Distillates (petroleum), hydrotreated heavy paraffinic

Distillates (petroleum), solvent-dewaxed heavy paraffinic

dimantine

#### **Result**

**Mouse - Dermal - Unspecified**

OECD 451

Result: Negative

**Mouse - Dermal - Unspecified**

OECD 451

Result: Negative

**Rat - Unreported - Unspecified**

OECD 453

104 weeks

Result: Negative

### Reproductive toxicity

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

Distillates (petroleum), hydrotreated heavy paraffinic

Distillates (petroleum), hydrotreated light paraffinic

Distillates (petroleum), solvent-dewaxed heavy paraffinic

dimantine

2-(2-heptadec-8-enyl-2-imidazolin-1-yl)  
ethanol

#### **Result**

**Rat - Oral**

OECD 421

Maternal toxicity: Negative

Fertility effects: Negative

Developmental: Negative

**Rat - Oral**

OECD 421

Maternal toxicity: Negative

Fertility effects: Negative

Developmental: Negative

**Rat - Oral**

OECD 421

Maternal toxicity: Negative

Fertility effects: Negative

Developmental: Negative

**Rat - Oral**

OECD 421

Maternal toxicity: Positive

Fertility effects: Negative

Developmental: Negative

**Rat - Oral**

OECD 422

Maternal toxicity: Positive

Fertility effects: Negative

## Section 11. Toxicological information

Developmental: Negative

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

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

2-(2-heptadec-8-enyl-2-imidazolin-1-yl)  
ethanol

#### **Result**

SPECIFIC TARGET ORGAN TOXICITY - REPEATED  
EXPOSURE (digestive system, thymus) (oral) - Category 2

### Aspiration hazard

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

Distillates (petroleum), hydrotreated heavy  
paraffinic  
Distillates (petroleum), hydrotreated light  
paraffinic  
Lubricating oils (petroleum), C15-30,  
hydrotreated neutral oil-based  
Distillates (petroleum), solvent-dewaxed  
heavy paraffinic

#### **Result**

ASPIRATION HAZARD - Category 1

ASPIRATION HAZARD - Category 1

ASPIRATION HAZARD - Category 1

ASPIRATION HAZARD - Category 1

### Information on 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 vapour, 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 as well as 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 diarrhoea.

#### **Short term exposure**

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

Not available.

**Product name** Castrol Transmax CVT

**Product code** 467204-CN04 **Page:** 10/16

**Version** 5.04 **Date of issue** 9/10/2025

**Format** China  
China

**Language** ENGLISH  
(ENGLISH)

Section 11. Toxicological information

Potential delayed effects	Not available.
<u>Long term exposure</u>	
Potential immediate effects	Not available.
Potential delayed effects	Not available.
<u>Potential chronic health effects</u>	
General	No known significant effects or critical hazards.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result
Distillates (petroleum), hydrotreated heavy paraffinic	<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
Distillates (petroleum), hydrotreated light paraffinic	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

Section 12. Ecological information

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	10 mg/l [21 days]
	<b>Acute - ErL50</b>
	OECD 201
	Algae
	100 mg/l [72 hours]
	<b>Chronic - NOELR</b>
	OECD 201
	Algae
	100 mg/l [72 hours]
	<b>Acute - EL50</b>
Distillates (petroleum), solvent-dewaxed heavy paraffinic	OECD 202
	Daphnia
	>1000 mg/l [48 hours]
	<b>Chronic - NOELR</b>
	OECD 211
	Daphnia
	10 to 1000 mg/l [21 days]
	<b>Acute - LL50</b>
	OECD 203
	Fish
dimantine	>100 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 - EC50</b>
	OECD 201
	Algae
	0.0165 mg/l [72 hours]
	<b>Acute - EC50</b>
	OECD 202
	Daphnia
	0.0558 mg/l [48 hours]
	<b>Acute - LC50</b>
	OECD 203
	Fish
	0.26 mg/l [96 hours]
	<b>Chronic - ErL50</b>
	OECD 201
	Algae
	0.00256 mg/l [72 hours]
	<b>Chronic - NOEL</b>
	OECD 211

## Section 12. Ecological information

2-(2-heptadec-8-enyl-2-imidazolin-1-yl) ethanol	Daphnia
	0.036 mg/l [21 days]
	<b>Acute - ErC50</b>
	OECD 201
	Algae
	0.03 mg/l [72 hours]
	<b>Acute - EC50</b>
	OECD 202
	Daphnia
	0.163 mg/l [48 hours]
	<b>Acute - LL50</b>
	OECD 203
	Fish
	0.3 mg/l [96 hours]
	<b>Chronic - ErC10</b>
	OECD 201
	Algae
	0.014 mg/l [72 hours]

**Environmental effects** This material is harmful to aquatic life.

### Persistence/degradability

Expected to be biodegradable.

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

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

2-(2-heptadec-8-enyl-2-imidazolin-1-yl)  
ethanol

#### **Result**

OECD 301F  
31% [28 days] - Not readily  
OECD 301F  
31% [28 days] - Not readily  
OECD 301F  
31% [28 days] - Not readily  
OECD 301D  
68% [28 days] - Readily  
OECD 301B  
1% [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
dimantine	>6.91	-	High
2-(2-heptadec-8-enyl- 2-imidazolin-1-yl)ethanol	>7	-	High

### Mobility in soil

#### **Soil/water partition coefficient**

Not available.

#### **Mobility**

Spillages may penetrate the soil causing ground water contamination.

### **Other adverse effects**

No known significant effects or critical hazards.

### **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 minimised 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	China GB12268	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Additional information	-	-	-

### Special precautions for user

Not available.

### Matters needing attention for transportation

Ensure that any additional local government transport conditions are met

## Section 15. Regulatory information

### List of Goods banned for Importing

None of the components are listed.

### Drug Precursors Requiring an Import/Export License

None of the components are listed.

### Catalogue and classification of drug precursor chemicals

Category	Ingredient name	%	Status
Category 3	toluene	≤0.1	Listed

### List of Explosive Precursors

None of the components are listed.

### International regulations

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

**Product name** Castrol Transmax CVT

**Product code** 467204-CN04 **Page:** 14/16

**Version** 5.04 **Date of issue** 9/10/2025

**Format** China  
China

**Language** ENGLISH  
(ENGLISH)

## Section 15. Regulatory information

Not listed.

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

Not listed.

#### **Safety, health and environmental regulations specific for the product**

No known specific national and/or regional regulations applicable to this product (including its ingredients).

#### **Regulation according to other foreign laws**

##### **REACH Status**

For the REACH status of this product please consult your company contact, as identified in Section 1.

##### **Australia inventory (AIIIC)**

All components are listed or exempted.

##### **Canada inventory**

All components are listed or exempted.

##### **China inventory (IECSC)**

All components are listed or exempted.

##### **Japan inventory (CSCL)**

All components are listed or exempted.

##### **Korea inventory (KECI)**

All components are listed or exempted.

##### **Philippines inventory (PICCS)**

All components are listed or exempted.

##### **Taiwan Chemical Substances Inventory (TCSI)**

All components are listed or exempted.

##### **United States inventory (TSCA 8b)**

All components are active or exempted.

## Section 16. Other information

### History

#### **Date of printing**

9/10/2025

#### **Date of issue/Date of revision**

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#### **Date of previous issue**

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#### **Version**

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#### **Prepared by**

Product Stewardship

#### **Key to abbreviations**

ACGIH = American Conference of Industrial Hygienists  
CAS Number = Chemical Abstracts Service Registry Number  
GHS = Global Harmonised System  
IATA = International Air Transport Association, the organisation  
IMDG = International Maritime Organization Rules, rules governing shipment of goods by water.  
OEL = Occupational Exposure Limit  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation [Regulation (EC) No. 1907/2006]  
SDS = Safety Data Sheet  
STEL = Short term exposure limit  
TWA = Time weighted average  
UN Number = United Nations Number, a four digit number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods.  
Varies = may contain one or more of the following 64741-88-4, 64741-89-5, 64741-95-3, 64741-96-4, 64742-01-4, 64742-44-5, 64742-45-6, 64742-52-5, 64742-53-6, 64742-54-7, 64742-55-8, 64742-56-9, 64742-57-0, 64742-58-1, 64742-62-7, 64742-63-8, 64742-65-0, 64742-70-7, 72623-85-9, 72623-86-0, 72623-87-1

### **References**

Not available.

Indicates information that has changed from previously issued version.

### Notice to reader

**Product name** Castrol Transmax CVT

**Product code** 467204-CN04 **Page:** 15/16

**Version** 5.04 **Date of issue** 9/10/2025

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Section 16. Other information

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. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

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Date of issue/Date of revision	: 9/10/2025	Date of previous issue	: 5/22/2025	Version	: 5.04	16/16
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