# SAFETY DATA SHEET



## Section 1. Identification

Castrol Transmax Offroad V 75W-75 **Product name** 

**47**0572 SDS#

470572-US65 Code

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

**Product use** Transmission fluid

For specific application advice see appropriate Technical Data Sheet or consult our

company representative.

BP Lubricants USA Inc. Supplier

> 1500 Valley Road Wayne, NJ 07470

Telephone: 1-888-CASTROL

**EMERGENCY HEALTH** 

**INFORMATION:** 

1 (800) 447-8735

Outside the US: +1 703-527-3887 (CHEMTREC)

**EMERGENCY SPILL** 

**INFORMATION:** 

1 (800) 424-9300 CHEMTREC (USA)

### Section 2. Hazards identification

This material is considered hazardous by the OSHA Hazard Communication Standard **OSHA/HCS** status

(29 CFR 1910.1200).

Classification of the

substance or mixture

SKIN SENSITIZATION - Category 1

#### **GHS** label elements

**Hazard pictograms** 



Signal word

**Hazard statements** May cause an allergic skin reaction.

**Precautionary statements** 

**Prevention** Wear protective gloves. Avoid breathing vapor.

Wash contaminated clothing before reuse. IF ON SKIN: Wash with plenty of soap and Response

water. If skin irritation or rash occurs: Get medical attention.

**Storage** Not applicable.

Dispose of contents and container in accordance with all local, regional, national and **Disposal** 

international regulations.

Hazards not otherwise

classified

Defatting to the skin.

**Product code Product name** 470572-US65 Page: 1/10 Castrol Transmax Offroad V 75W-75 Version 1.02 Date of issue 06/13/2022. Format US Language ENGLISH

### Section 3. Composition/information on ingredients

Substance/mixture

Mixture

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

Ingredient name	CAS number	%
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	≥50 - ≤75
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	≥10 - ≤25
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	4259-15-8	≤3
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	≤3
Distillates (petroleum), solvent-dewaxed light paraffinic	64742-56-9	≤3
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	≤3
Triphenyl phosphite	101-02-0	≤0.3

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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 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.

Skin contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes

while removing contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Wash clothing before reuse. Clean shoes thoroughly before reuse. In the event of any complaints or symptoms, avoid further

exposure. Get medical attention.

**Inhalation** If inhaled, remove to fresh air. Get medical attention if symptoms occur.

**Ingestion** 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.

**Protection of first-aiders**No action shall be taken involving any personal risk or without suitable training. It may

be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash

contaminated clothing thoroughly with water before removing it, or wear gloves.

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

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

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

Notes to physician Treatment should in general be symptomatic and directed to relieving any effects.

**Specific treatments** No specific treatment.

# Section 5. Fire-fighting measures

Extinguishing media

**Suitable extinguishing** In case of fire, use foam, dry chemical or carbon dioxide extinguisher or spray.

media

Unsuitable extinguishing Do not use water jet.

media

Specific hazards arising from the chemical

In a fire or if heated, a pressure increase will occur and the container may burst.

Product name Castrol Transmax Offroad V 75W-75 Product code 470572-US65 Page: 2/10

Version 1.02 Date of issue 06/13/2022. Format US Language ENGLISH

### Section 5. Fire-fighting measures

Hazardous combustion 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.)

Special protective actions for fire-fighters
Special protective

equipment 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.

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).

#### 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). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. 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.

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. 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.

Product name Castrol Transmax Offroad V 75W-75 Product code 470572-US65 Page: 3/10

Version 1.02 Date of issue 06/13/2022. Format US Language ENGLISH

## Section 7. Handling and storage

Not suitable

Prolonged exposure to elevated temperature

## Section 8. Exposure controls/personal protection

#### **Control parameters**

Occupational exposure limits

Distillates (petroleum), hydrotreated heavy paraffinic

ACGIH TLV (United States).

TWA: 5 mg/m³ 8 hours. Issued/Revised: 11/2009 Form: Inhalable fraction OSHA PEL (United States).

TWA: 5 mg/m³ 8 hours. Issued/Revised: 6/1993

Distillates (petroleum), hydrotreated heavy paraffinic

**ACGIH TLV (United States).** 

TWA: 5 mg/m³ 8 hours. Issued/Revised: 11/2009 Form: Inhalable fraction OSHA PEL (United States).

TWA: 5 mg/m³ 8 hours. Issued/Revised: 6/1993

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

Distillates (petroleum), hydrotreated light paraffinic

**ACGIH TLV (United States).** 

None.

TWA: 5 mg/m³ 8 hours. Issued/Revised: 11/2009 Form: Inhalable fraction **OSHA PEL (United States).** 

TWA: 5 mg/m³ 8 hours. Issued/Revised: 6/1993

Distillates (petroleum), solvent-dewaxed light paraffinic

ACGIH TLV (United States).

TWA: 5 mg/m³ 8 hours. Issued/Revised: 11/2009 Form: Inhalable fraction **OSHA PEL (United States).** 

TWA: 5 mg/m³ 8 hours. Issued/Revised: 6/1993

Distillates (petroleum), solvent-dewaxed heavy paraffinic

ACGIH TLV (United States).

TWA: 5 mg/m³ 8 hours. Issued/Revised: 11/2009 Form: Inhalable fraction OSHA PEL (United States).

TWA: 5 mg/m³ 8 hours. Issued/Revised: 6/1993

Triphenyl phosphite

None.

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**

Product nameCastrol Transmax Offroad V 75W-75Product code470572-US65Page: 4/10Version 1.02Date of issue 06/13/2022.Format USLanguage ENGLISH

### Section 8. Exposure controls/personal protection

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.

Contaminated work clothing should not be allowed out of the workplace. Wash

contaminated clothing before reusing. Ensure that eyewash stations and safety showers

are close to the workstation location.

Safety glasses with side shields.

**Eye/face protection** 

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.

**Body 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.

Other skin protection Appropriate footwear and any additional skin protection measures should be selected

based on the task being performed and the risks involved and should be approved by a

specialist before handling this product.

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** 

Flash point

Physical state
Color
Brown.

Odor
Not available.
Not available.
PH
Not applicable.
Melting point/freezing point
Boiling point, initial boiling
Not available.
Not available.

point, and boiling range

Open cup: >180°C (>356°F) [Cleveland]

Pour point -51 °C
Evaporation rate Not available.

Flammability Not applicable. Based on - Physical state

Lower and upper explosion limit/flammability limit

Vapor pressure

Not available.

Product name Castrol Transmax Offroad V 75W-75 Product code 470572-US65 Page: 5/10

Version 1.02 Date of issue 06/13/2022. Format US Language ENGLISH

## Section 9. Physical and chemical properties

	Vapor Pressure at 20°C		Vapor pressure at 50°C		re at 50°C	
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
Distillates (petroleum), hydrotreated heavy paraffinic	<0.08	<0.011	ASTM D 5191			
Distillates (petroleum), hydrotreated heavy paraffinic	<0.08	<0.011	ASTM D 5191			
Distillates (petroleum), hydrotreated light paraffinic	<0.08	<0.011	ASTM D 5191			
Distillates (petroleum), solvent-dewaxed light paraffinic	<0.08	<0.011	ASTM D 5191			
Distillates (petroleum), solvent-dewaxed heavy paraffinic	<0.08	<0.011	ASTM D 5191			

Relative vapor density Not available.

**Density** <1000 kg/m³ (<1 g/cm³) at 15°C

Solubility insoluble in water.

Partition coefficient: n- Not applicable.

octanol/water

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity

Kinematic: 40.56 mm²/s (40.56 cSt) at 40°C

Kinematic: 7 to 8 mm²/s (7 to 8 cSt) at 100°C

Particle characteristics

Median particle size 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 Under norm

Possibility of hazardous 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 Under normal conditions of storage and use, hazardous decomposition products should

products not be produced.

# Section 11. Toxicological information

### Information on toxicological effects

#### **Aspiration hazard**

Name	Result
Distillates (petroleum), hydrotreated heavy paraffinic Distillates (petroleum), hydrotreated light paraffinic Distillates (petroleum), solvent-dewaxed light paraffinic Distillates (petroleum), solvent-dewaxed heavy paraffinic	ASPIRATION HAZARD - Category 1

Product name Castrol Transmax Offroad V 75W-75 Product code 470572-US65 Page: 6/10

Version 1.02 Date of issue 06/13/2022. Format US Language ENGLISH

## Section 11. Toxicological information

**Information on the likely** Routes of entry anticipated: Dermal, Inhalation.

routes of exposure

Potential acute health effects

Eye contact No known significant effects or critical hazards.

**Skin contact** May cause an allergic skin reaction.

Inhalation Vapor inhalation under ambient conditions is not normally a problem due to low vapor

pressure.

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

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

Eye contact No specific data.

**Skin contact** Adverse symptoms may include the following:

irritation redness dryness cracking

Inhalation May be harmful by inhalation if exposure to vapor, mists or fumes resulting from thermal

decomposition products occurs.

Ingestion No specific data.

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

**Short term exposure** 

Potential immediate Not available.

effects

Potential delayed effects Not available.

Long term exposure

Potential immediate Not available.

effects

Potential delayed effects Not available.

#### Potential chronic health effects

GeneralNo known significant effects or critical hazards.CarcinogenicityNo known significant effects or critical hazards.MutagenicityNo known significant effects or critical hazards.TeratogenicityNo known significant effects or critical hazards.Developmental effectsNo known significant effects or critical hazards.Fertility effectsNo known significant effects or critical hazards.

### **Numerical measures of toxicity**

### **Acute toxicity estimates**

Route	ATE value
Oral	150843.12 mg/kg

# Section 12. Ecological information

### **Toxicity**

No testing has been performed by the manufacturer.

#### Persistence and degradability

Expected to be biodegradable.

### **Bioaccumulative potential**

Product nameCastrol Transmax Offroad V 75W-75Product code470572-US65Page: 7/10Version 1.02Date of issue 06/13/2022.Format USLanguage ENGLISH

## Section 12. Ecological information

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

**Mobility in soil** 

Soil/water partition coefficient (Koc)

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 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**

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

Special precautions for user Not available.

Transport in bulk according to IMO instruments

Not available.

# Section 15. Regulatory information

U.S. Federal regulations

United States inventory (TSCA 8b)

All components are active or exempted.

**SARA 302/304** 

Composition/information on ingredients

Product nameCastrol Transmax Offroad V 75W-75Product code470572-US65Page: 8/10Version 1.02Date of issue 06/13/2022.Format USLanguage ENGLISH

## Section 15. Regulatory information

No products were found.

**SARA 311/312** 

Classification SKIN SENSITIZATION - Category 1

**SARA 313** 

	Product name	CAS number	Concentration
Form R - Reporting requirements	Zinc bis[O,O-bis(2-ethylhexyl)] bis (dithiophosphate)	4259-15-8	1.694
Supplier notification	Zinc bis[O,O-bis(2-ethylhexyl)] bis (dithiophosphate)	4259-15-8	1.694

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### State regulations

**Massachusetts** The following components are listed: OIL MIST, MINERAL; OIL MIST, MINERAL;

MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED LIGHT PARAFFINIC;

MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED LIGHT

PARAFFINIC; OIL MIST, MINERAL

**New Jersey** The following components are listed: ZINC compounds **Pennsylvania** The following components are listed: ZINC COMPOUNDS

California Prop. 65

⚠ WARNING: This product can expose you to chemicals including Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. This product can expose you to chemicals including Ethylbenzene and Naphthalene, which are known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www. P65Warnings.ca.gov.

#### Other regulations

Australia inventory (AIIC) 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** At least one component is not listed. (PICCS)

**Taiwan Chemical** 

**Substances Inventory** 

(TCSI)

For the REACH status of this product please consult your company contact, as **REACH Status** 

All components are listed or exempted.

identified in Section 1.

### Section 16. Other information

### National Fire Protection Association (U.S.A.)



**History** 

06/13/2022. Date of issue/Date of

revision

Date of previous issue 05/18/2022.

Prepared by **Product Stewardship** 

Product name **Product code** 470572-US65 Page: 9/10 Castrol Transmax Offroad V 75W-75 Version 1.02 Date of issue 06/13/2022. Format US Language ENGLISH

### Section 16. Other information

### Key to abbreviations

ACGIH = American Conference of Industrial Hygienists

ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor

CAS Number = Chemical Abstracts Service Registry Number

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

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)

OEL = Occupational Exposure Limit

SDS = Safety Data Sheet

STEL = Short term exposure limit TWA = Time weighted average

UN = United Nations

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, 64742-63-8, 64742-63-8, 64742-63-9, 6474

64742-70-7, 72623-85-9, 72623-86-0, 72623-87-1

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

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

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, or from any hazards inherent in the nature of the material. 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. You can contact the BP Group to ensure that this document is the most current available. Alteration of this document is strictly prohibited.

Product name Castrol Transmax Offroad V 75W-75 Product code 470572-US65 Page: 10/10