

# SAFETY DATA SHEET

Castrol Transmax ATF Dex/Merc Multivehicle

In accordance with Industrial Safety and Health Act

## Section 1. Chemical product and company identification

**Product name** Castrol Transmax ATF Dex/Merc Multivehicle  
**Code** 469842-KR09  
**SDS no.** 469842  
**Supplier** BP Korea Ltd.  
19F., 302, Teheran-ro, Gangnam-gu, Seoul, 06210  
Republic of Korea

Tel: +82 -1577-1904

**EMERGENCY TELEPHONE NUMBER** Carechem: +65 3158 1074 (24/7)

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

**Use of the substance/mixture** Automatic transmission fluid  
For specific application advice see appropriate Technical Data Sheet or consult our company representative.

## Section 2. Hazards identification

**GHS Classification** Not classified.

### GHS label elements, including precautionary statements

**Signal word** No signal word.

**Hazard statements** No known significant effects or critical hazards.

### Precautionary statements

**Prevention** Not applicable.

**Response** Not applicable.

**Storage** Not applicable.

**Disposal** Not applicable.

**Other hazards which do not result in classification** Defatting to the skin.

## Section 3. Composition/information on ingredients

**Substance/mixture** Mixture

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

### Hazardous ingredients

Ingredient name	Synonym	CAS number	%
Distillates (petroleum), hydrotreated heavy paraffinic	Baseoil - unspecified; Distillates, petroleum, hydrotreated heavy paraffinic; Mineral oil, petroleum distillates, hydrotreated heavy paraffinic; Distillates (petroleum), hydro-treated	64742-54-7	66.0163

## Section 3. Composition/information on ingredients

Distillates (petroleum), hydrotreated heavy paraffinic	heavy paraffinic; Paraffin oil; HYDROTREATED HEAVY PARAFFINIC DISTILLATE; DISTILLATES (PETROLEUM) HYDROFVLD; Distillates (petroleum), hydrotreated heavy paraffinic, Baseoil - unspecified Baseoil - unspecified; Distillates, petroleum, hydrotreated heavy paraffinic; Mineral oil, petroleum distillates, hydrotreated heavy paraffinic; Distillates (petroleum), hydro-treated heavy paraffinic; Paraffin oil; HYDROTREATED HEAVY PARAFFINIC DISTILLATE; DISTILLATES (PETROLEUM) HYDROFVLD; Distillates (petroleum), hydrotreated heavy paraffinic, Baseoil - unspecified	64742-54-7	26.34
Distillates (petroleum), hydrotreated light paraffinic	Baseoil - unspecified; Distillates, petroleum, hydrotreated light paraffinic; Mineral oil, petroleum distillates, hydrotreated light paraffinic; Mineral oil, petroleum distillates, hydrotreated (mild) light paraffinic; Distillates (petroleum), hydro-treated light paraffinic; Paraffin oil; DISTILLATES (PETROLEUM) HYDROTREATED LIGHT PARAFFINIC; DISTILLATES, HYDROTREATED LIGHT PARAFFINIC; ALIPHATIC HYDROCARBON, SULFURIZED; Distillates (petroleum), hydrotreated light paraffinic, Baseoil - unspecified	64742-55-8	2.5583
Bis (2-hydroxyethyl) tallow alkylamine	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives; PEG-2 Tallow Amine; Amines, tallow alkyl, ethoxylated; Alkyl* N,N-bis (2-hydroxyethyl)amine; N-(Tallow-alkyl) derivatives of 2,2'-iminodiethanol; N,N-Dipolyoxyalkylene-N-alkyl	61791-44-4	0.0984

## Section 3. Composition/information on ingredients

2-(2-heptadec-8-enyl-2-imidazolin-1-yl) ethanol	(or alkenyl) (C6-28) amine; 2,2'-Iminobisethanol, N-tallow alkyl derivs.; BIS TALLOW (2-HYDROXYETHYL) AMINE; ETHANOL, 2,2'-IMINOBIS-, N-TALLOW ALKYL DERIVATIVE; DERIVATIVES, ETHANOL, 2,2'-IMINOBIS, N-TALLOW ALKYL; Ethanol,2,2'-iminobis-,N-tallow alkyl dervis. 1H-Imidazole-1-ethanol, 2-(8-heptadecen-1-yl)-4,5-dihydro-; 1H-Imidazole-1-ethanol, 2-(8-heptadecenyl)-4,5-dihydro-; 2-Imidazoline-1-ethanol, 2-(8-heptadecenyl)-; 2-(8-heptadecenyl)-2-imidazoline-1-ethanol; 1-(2-Hydroxyethyl)-2-(heptadecenyl)imidazoline; OLEYL HYDROXYETHYL IMIDAZOLINE; 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol/(Z)-2-(8-heptadecenyl)-4,5-dihydro-1H-imidazole-1-ethanol; Oleyl imidazoline; 2-(2-(Heptadec-8-en-1-yl)-4,5-dihydro-1H-imidazol-1-yl)ethanol; 2-Alkyl(or alkenyl,C8-18)-1-hydroxyethylimidazoline; 2-Alkyl (or alkenyl, C7-23)-1-hydroxyethylimidazoline	95-38-5	0.02214
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### Non-hazardous ingredients

Ingredient name	Synonym	CAS number	%
Trade secret.	Trade secret.	Trade secret.	0.82 - 1.23
Trade secret.	Trade secret.	Trade secret.	0.82 - 1.23
Trade secret.	Trade secret.	Trade secret.	0.4263 - 0.8363
Trade secret.	Trade secret.	Trade secret.	0.41 - 0.5658
Trade secret.	Trade secret.	Trade secret.	0.41 - 0.492
Trade secret.	Trade secret.	Trade secret.	0.246 - 0.41
Trade secret.	Trade secret.	Trade secret.	0.246 - 0.41
Trade secret.	Trade secret.	Trade secret.	0.082 - 0.246
Trade secret.	Trade secret.	Trade secret.	0.082 - 0.246
Trade secret.	Trade secret.	Trade secret.	0.082 - 0.246
Trade secret.	Trade secret.	Trade secret.	0.1348

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.

## Section 3. Composition/information on ingredients

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

## Section 4. 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>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>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>Ingestion</b>	Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
<b><u>Indication of immediate medical attention and special treatment needed, if necessary</u></b>	
<b>Specific treatments</b>	No specific treatment.
<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>Protection of first-aiders</b>	No action shall be taken involving any personal risk or without suitable training.

## Section 5. Firefighting measures

<b><u>Extinguishing media</u></b>	
<b>Suitable</b>	In case of fire, use foam, dry chemical or carbon dioxide extinguisher or spray.
<b>Not suitable</b>	Do not use water jet.
<b>Specific hazards arising from the chemical</b>	In a fire or if heated, a pressure increase will occur and the container may burst.
<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 equipment for fire-fighters</b>	Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
<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.

## Section 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	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 spilt material. Put on appropriate personal protective equipment. Floors may be slippery; use care to avoid falling.
<b>Environmental precautions</b>	Avoid dispersal of spilt 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).
<b><u>Methods and material for containment and cleaning up</u></b>	
<b>Small spill</b>	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.

## Section 6. Accidental release measures

### Large spill

Stop leak if without risk. Move containers from spill area. 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. 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).

#### 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

Avoid all possible sources of ignition (spark or flame).

## Section 8. Exposure controls/personal protection

### Control parameters

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

### Biological exposure indices

No exposure indices known.

Other ingredients including trade secret: not applicable

### Recommended monitoring procedures

Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

## Section 8. Exposure controls/personal protection

### 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.

### Personal protective equipment

#### 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.

#### Eye protection

Safety glasses with side shields.

#### 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.

#### 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.

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

Liquid.

Red.

Not available.

Not available.

Not applicable.

Not available.

Not available.

Closed cup: 200°C (392°F) [Pensky-Martens ASTM D 93]  
Open cup: >226°C (>438.8°F) [Cleveland ASTM D 92]

Not available.

Not available.

Not applicable. Based on - Physical state

Not available.

Not available.

Not available.

 $<1000 \text{ kg/m}^3$  (<

Not applicable.

Not available.

Not available.

Kinematic: 36 mm<sup>2</sup>/s (36 cSt) at 40°C  
Kinematic: 7 to 8 mm<sup>2</sup>/s (7 to 8 cSt) at 100°C

Not applicable as it is a mixture

Not applicable.

Not applicable.



## Section 10. Stability and reactivity

<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 likely routes of exposure**     Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

### Acute toxicity

<b>Inhalation</b>	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
<b>Ingestion</b>	No known significant effects or critical hazards.
<b>Skin contact</b>	Defatting to the skin. May cause skin dryness and irritation.
<b>Eye contact</b>	No known significant effects or critical hazards.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	
<b>Inhalation</b>	May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs.
<b>Ingestion</b>	No specific data.
<b>Skin</b>	Adverse symptoms may include the following: irritation dryness cracking
<b>Eyes</b>	No specific data.

### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Product/ingredient name	Test	Species	Result	Exposure	Remarks
Distillates (petroleum), hydrotreated heavy paraffinic	LD50 Dermal	Rabbit	>5000 mg/kg	-	Based on studies with similar substances.
	LD50 Oral	Rat	>5000 mg/kg	-	Based on studies with similar substances.
	LD50 Inhalation Dusts and mists	Rat	>5 mg/l	4 hours	Based on studies with similar substances.
Distillates (petroleum), hydrotreated heavy paraffinic	LD50 Dermal	Rabbit	>5000 mg/kg	-	Based on studies with similar substances.
	LD50 Oral	Rat	>5000 mg/kg	-	Based on studies with similar substances.



## Section 11. Toxicological information

	LD50 Inhalation Dusts and mists	Rat	>5 mg/l	4 hours	Based on studies with similar substances.
Distillates (petroleum), hydrotreated light paraffinic	LD50 Dermal	Rabbit	>5000 mg/kg	-	Based on studies with similar substances.
	LD50 Oral	Rat	>5000 mg/kg	-	Based on studies with similar substances.
	LD50 Inhalation Dusts and mists	Rat	>5 mg/l	4 hours	Based on studies with similar substances.
2-(2-heptadec-8-enyl-2-imidazolin-1-yl) ethanol	LD50 Oral	Rat	1265 mg/kg	-	-

### Irritation/Corrosion

Product/ingredient name	Test authority / Test number	Species	Route / Result	Conc.	Remarks
Distillates (petroleum), hydrotreated heavy paraffinic	OECD 405	Rabbit	Eyes - Non-irritating to the eyes.	-	Based on studies with similar substances.
	OECD 404	Rabbit	Skin - Mild irritant	-	Based on studies with similar substances.
Distillates (petroleum), hydrotreated heavy paraffinic	OECD 405	Rabbit	Eyes - Non-irritating to the eyes.	-	Based on studies with similar substances.
	OECD 404	Rabbit	Skin - Mild irritant	-	Based on studies with similar substances.
Distillates (petroleum), hydrotreated light paraffinic	OECD 405	Rabbit	Eyes - Non-irritating to the eyes.	-	Based on studies with similar substances.
	OECD 404	Rabbit	Skin - Mild irritant	-	Based on studies with similar substances.
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	OECD 405	Rabbit	Eyes - Visible necrosis	-	Based on studies with similar substances.
	OECD 404	Rabbit	Skin - Visible necrosis	-	Based on studies with similar substances.

**Skin corrosion or irritation** Not available for product and all ingredients.

## Section 11. Toxicological information

### Serious eye damage/eye irritation

Not available for product and all ingredients.

### Respiratory Irritation

Not available for product and all ingredients.

### Sensitisation

#### Respiratory Sensitisation

Not available for product and all ingredients.

#### Skin Sensitisation

Product/ingredient name	Route of exposure	Species	Result	Remarks
Distillates (petroleum), hydrotreated heavy paraffinic	skin	Guinea pig	Not sensitising	Based on studies with similar substances.
Distillates (petroleum), hydrotreated heavy paraffinic	skin	Guinea pig	Not sensitising	Based on studies with similar substances.
Distillates (petroleum), hydrotreated light paraffinic	skin	Guinea pig	Not sensitising	Based on studies with similar substances.
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	skin	Guinea pig	Not sensitising	Based on studies with similar substances.

### CMR - ISHA Article 42 Public Notice No 2016-41 Occupational Exposure Limits

Product/ingredient name	CAS number	Classification
Toluene	108-88-3	REPRODUCTIVE TOXICITY - Category 2

### Carcinogenicity

Not available for product and all ingredients.

### Germ cell mutagenicity

Product/ingredient name	Test	Experiment	Result	Remarks
Distillates (petroleum), hydrotreated heavy paraffinic	471 Bacterial Reverse Mutation Test	Experiment: In vitro Subject: Bacteria	Negative	Based on studies with similar substances.
	473 In vitro Mammalian Chromosomal Aberration Test	Experiment: In vitro Subject: Mammal - species unspecified	Negative	Based on studies with similar substances.
	476 In vitro Mammalian Cell Gene Mutation Test	Experiment: In vitro Subject: Mammal - species unspecified	Negative	Based on studies with similar substances.
	474 Mammalian Erythrocyte Micronucleus Test	Experiment: In vivo Subject: Mammal - species unspecified	Negative	Based on studies with similar substances.
Distillates (petroleum),	471 Bacterial	Experiment: In vitro	Negative	Based on studies

## Section 11. Toxicological information

hydrotreated heavy paraffinic	Reverse Mutation Test					with similar substances.
	473 In vitro Mammalian Chromosomal Aberration Test	Subject: Bacteria	Experiment: In vitro	Negative		Based on studies with similar substances.
	476 In vitro Mammalian Cell Gene Mutation Test	Subject: Mammal - species unspecified	Experiment: In vitro	Negative		Based on studies with similar substances.
	474 Mammalian Erythrocyte Micronucleus Test	Subject: Mammal - species unspecified	Experiment: In vivo	Negative		Based on studies with similar substances.
Distillates (petroleum), hydrotreated light paraffinic	OECD 471 Bacterial Reverse Mutation Test	Subject: Bacteria	Experiment: In vitro	Negative		Based on studies with similar substances.
	OECD 473 In vitro Mammalian Chromosomal Aberration Test	Subject: Bacteria	Experiment: In vitro	Negative		Based on studies with similar substances.
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	471 Bacterial Reverse Mutation Test	Subject: Mammal - species unspecified	Experiment: In vitro	Negative		Based on studies with similar substances.
	473 In vitro Mammalian Chromosomal Aberration Test	Subject: Bacteria	Experiment: In vitro	Negative		Based on studies with similar substances.
		Subject: Mammal - species unspecified				


### Reproductive toxicity

Product/ ingredient name	Test detail		Species	Exposure		Developmental toxin	Maternal toxicity	Fertility	Remarks
Distillates (petroleum), hydrotreated light paraffinic	OECD	421	Rat	Oral	-	Negative	Negative	Negative	Based on studies with similar substances.
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	OECD	422	Rat	Oral	-	Negative	Positive	Negative	Based on studies with similar substances.

<b>Teratogenicity</b>	No known significant effects or critical hazards.
<b>Developmental effects</b>	No known significant effects or critical hazards.
<b>Fertility effects</b>	No known significant effects or critical hazards.

## Section 11. Toxicological information

### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
 Toluene	Category 3	-	Narcotic effects

### Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	Category 2	oral	digestive system, thymus

### Potential chronic health effects

<b>General</b>	No known significant effects or critical hazards.
<b>Carcinogenicity</b>	No known significant effects or critical hazards.
<b>Mutagenicity</b>	No known significant effects or critical hazards.

### Aspiration hazard

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

**Other information** Not available.

## Section 12. Ecological information

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

### Persistence/degradability

Not expected to be rapidly degradable.

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

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

**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. 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Disposal precautions** This material and its container must be disposed of in a safe way. 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

	IMDG	IATA
A. UN number	Not regulated.	Not regulated.
B. UN proper shipping name	-	-
C. Transport hazard class(es)	-	-
D. Packing group	-	-
E. Environmental hazards	No.	No.
F. Additional information	-	-

Special precautions for user Not available.

## Section 15. Regulatory information

### Regulation according to ISHA

ISHA article 117 (Harmful substances prohibited from manufacture) None of the components are listed.

ISHA article 118 (Harmful substances requiring permission) None of the components are listed.

### Exposure Limits of Chemical Substances and Physical Factors

The following components have an OEL:

☒ Distillates (petroleum), hydrotreated heavy paraffinic  
Distillates (petroleum), hydrotreated heavy paraffinic  
Distillates (petroleum), hydrotreated light paraffinic

ISHA Enforcement Regs Annex 19 (Exposure standards established for harmful factors) The following components are listed: toluene

ISHA Enforcement Regs Annex 21 (Harmful factors subject to Work Environment Measurement) None of the components are listed.

ISHA Enforcement Regs Annex 22 (Harmful Factors Subject to Special Health Check-up) The following components are listed: metal working fluids: oil mist, mineral

Standard of Industrial Safety and Health Annex 12 (Hazardous substances subject to control) None of the components are listed.

### Regulation according to Chemicals Control Act

## Section 15. Regulatory information

Article 20 Toxic Chemicals (K-Reach Article 20)	Not applicable
Article 18 Prohibited (K-Reach Article 27)	None of the components are listed.
Article 20 Restricted (K-Reach Article 27)	None of the components are listed.
CCA Article 11 (TRI)	None of the components are listed.
CCA Article 39 (Accident Precaution Chemicals)	None of the components are listed.
Dangerous Materials Safety Management Act	<b>Class:</b> Class 4 - Flammable Liquid <b>Item:</b> 6. Class 4 petroleum <b>Threshold:</b> 6000 L <b>Danger category:</b> III <b>Signal word:</b> Contact with sources of ignition prohibited
Wastes regulation	Designated Waste

### Regulation according to other foreign laws

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.
REACH Status	For the REACH status of this product please consult your company contact, as identified in Section 1.
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 inventory (TCSI)	All components are listed or exempted.
United States inventory (TSCA 8b)	All components are active or exempted.

## Section 16. Other information

### History

Source of Information	Sources of key data used to compile the Safety Data Sheet: Hazard assessment review data, toxicological reviews, and product physical properties; component supplier hazard communication data; and other publically available resources.
Date first prepared	15/11/2018
Number of revisions and date of last revision	9 20/05/2024.
Prepared by	Product Stewardship
Key to abbreviations	AMP = Acceptable Maximum Peak ACGIH = American Conference of Governmental Industrial Hygienists, an agency that promulgates exposure standards. ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail ADG Code = Australian Code for the Transport of Dangerous Goods by Road and Rail CAS Number = Chemical Abstracts Service Registry Number HAZCHEM Code = Emergency action code of numbers and letters which gives information to emergency services. Its use is required by the ADG Code for Dangerous Goods in bulk. ICAO = International Civil Aviation Organization.

## Section 16. Other information

IATA = International Air Transport Association, the organization promulgating rules governing shipment of goods by air.

IMDG = International Maritime Organization Rules, rules governing shipment of goods by water.

IP 346 = A chemical screening assay for dermal toxicity. The European Commission has recommended that Method IP 346 be used as the basis for labelling certain lubricant oil base stocks for carcinogenicity. The EU Commission has stipulated that the classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346. (See Note L, European Commission Directive 67/548/EEC as amended and adapted.) DMSO is a solvent.

NOHSC = National Occupational Health & Safety Commission, Australia

REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation [Regulation (EC) No. 1907/2006]

TWA = Time weighted average

STEL = Short term exposure limit

UN Number = United Nations Number, a four digit number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods.

TCCA = Toxic Chemical Control Act

GHS = Global Harmonized System

ISHA = Industrial Safety and Health Act

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

 Indicates information that has changed from previously issued version.

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