SAFETY DATA SHEET

Castrol Transmax Full Synthetic Multi-vehicle ATF

Section 1. Identification

GHS product identifier Castrol Transmax Full Synthetic Multi-vehicle ATF

SDS # 468081

Product code 468081-US65

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

Identified uses Automatic transmission fluid
For specific application advice see appropriate Technical Data Sheet or consult our company representative.

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

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

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

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

Section 2. Hazards identification

Classification of the substance or mixture
AQUATIC HAZARD (ACUTE) - Category 2
AQUATIC HAZARD (LONG-TERM) - Category 3

GHS label elements

Signal word No signal word.

Hazard statements
H401 - Toxic to aquatic life.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements

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

Prevention P273 - Avoid release to the environment.

Response Not applicable.

Storage Not applicable.

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

Other hazards which do not result in classification 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.

Ingredient name	%	Identifiers	Classification
Distillates (petroleum), hydrotreated heavy paraffinic	≥50 - ≤75	CAS: 64742-54-7	Not classified as hazardous according to ABNT NBR 14725
Distillates (petroleum), hydrotreated light paraffinic	≥25 - ≤50	CAS: 64742-55-8	ASPIRATION HAZARD - Category 1
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	≤3	CAS: 72623-86-0	ASPIRATION HAZARD - Category 1
3-(decyloxy)tetrahydrothiophene 1,1-dioxide	≤3	CAS: 18760-44-6	AQUATIC HAZARD (ACUTE) - Category 2 AQUATIC HAZARD (LONG-TERM) - Category 2
Distillates (petroleum), solvent-dewaxed heavy paraffinic	≤3	CAS: 64742-65-0	ASPIRATION HAZARD - Category 1
dimantine	≤0.3	CAS: 124-28-7	ACUTE TOXICITY (oral) - Category 4 SKIN CORROSION - Category 1B SERIOUS EYE DAMAGE - Category 1 AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1
Bis (2-hydroxyethyl) tallow alkylamine	<0.1	CAS: 61791-44-4	ACUTE TOXICITY (oral) - Category 4 SKIN CORROSION - Category 1C SERIOUS EYE DAMAGE - Category 1 AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1
2-(heptadecenyl)-4,5-dihydro-1H-imidazole-1-ethanol	<0.1	CAS: 27136-73-8	ACUTE TOXICITY (oral) - Category 4 SKIN CORROSION - Category 1C SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1

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

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

Section 4. First aid measures

Description of necessary first aid measures

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

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

Skin contact
Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur. If skin irritation or rash occurs: Get medical advice/attention.

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.

Most important symptoms/effects, acute and delayed

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.

Over-exposure signs/symptoms

Eye contact
No specific data.

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

Skin contact
Adverse symptoms may include the following:
irritation
dryness
cracking

Ingestion
No specific data.

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. 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.

Specific treatments
No specific treatment.

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

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media
Use foam or all-purpose dry chemical to extinguish.

Unsuitable extinguishing media
Do not use water jet.

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

Section 5. Fire-fighting measures

Hazardous thermal decomposition products

Combustion products may include the following:
carbon oxides (CO, CO_2) (carbon monoxide, carbon dioxide)
sulfur oxides (SO, SO_2 etc.)
nitrogen oxides (NO, NO_2 etc.)

Special protective actions for fire-fighters

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

Special protective equipment for fire-fighters

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

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

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

For emergency responders

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

Environmental precautions

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

Methods and materials for containment and cleaning up

Small spill

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

Large spill

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

Section 7. Handling and storage

Precautions for safe handling

Protective measures

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

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.

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities

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

Not suitable

Prolonged exposure to elevated temperature

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Distillates (petroleum), hydrotreated heavy paraffinic	**ACGIH TLV (United States) [Mineral Oil, pure, highly and severely refined]** A4. TWA 8 hours: 5 mg/m³. Form: Inhalable fraction. Issued/Revised: 11/2009.
Distillates (petroleum), hydrotreated light paraffinic	**ACGIH TLV (United States) [Mineral Oil, pure, highly and severely refined]** A4. TWA 8 hours: 5 mg/m³. Form: Inhalable fraction. Issued/Revised: 11/2009.
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	**ACGIH TLV (United States) [Mineral Oil, pure, highly and severely refined]** A4. TWA 8 hours: 5 mg/m³. Form: Inhalable fraction. Issued/Revised: 11/2009.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	**ACGIH TLV (United States) [Mineral Oil, pure, highly and severely refined]** A4. TWA 8 hours: 5 mg/m³. Form: Inhalable fraction. Issued/Revised: 11/2009.

Biological exposure indices

No exposure indices known.

Appropriate engineering controls

All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after other forms of control measures (e.g. engineering controls) have been suitably evaluated. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained.
Your supplier of personal protective equipment should be consulted for advice on selection and appropriate standards. For further information contact your national organisation for standards.
Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits.
The final choice of protective equipment will depend upon a risk assessment. It is important to ensure that all items of personal protective equipment are compatible.

Environmental exposure controls

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

Individual protection measures

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. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

Safety glasses with side shields.

Skin protection

Hand protection

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

Skin protection

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

Respiratory protection

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

Section 9. Physical and chemical properties

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

Appearance

Physical state Liquid.

Color Red.

Odor Not available.

Odor threshold Not available.

pH Not applicable.

Melting point/freezing point Not available.

Boiling point or initial boiling point and boiling range Not available.

Flash point Closed cup: 188.5°C (371.3°F) [Pensky-Martens ASTM D 93]

Evaporation rate Not available.

Flammability Not available.

Lower and upper explosion limit/flammability limit Not available.

Vapor pressure

Section 9. Physical and chemical properties

Ingredient name	Vapor Pressure at 20˚C			Vapor pressure at 50˚C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
Distillates (petroleum), hydrotreated heavy paraffinic	<0.07501	<0.01	ASTM D 5191			
Distillates (petroleum), 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 vapor density Not available.

Relative density Not available.

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

Solubility(ies)

Media	Result
water	Not soluble

Solubility in water Not available.

Partition coefficient: n-octanol/water Not applicable.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Kinematic: 29.59 mm^2/s (29.59 cSt) at 40°C
Kinematic: 5.6 to 6.2 mm^2/s (5.6 to 6.2 cSt) at 100°C

Particle characteristics

Median particle size Not applicable.

Shape Not applicable.

Section 10. Stability and reactivity

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

Chemical stability The product is stable.

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

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

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

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

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result
Distillates (petroleum), hydrotreated heavy paraffinic	**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 **Rat - Dermal - LD50** >2000 mg/kg OECD 402 **Rat - Inhalation - LC50 Dusts and mists** >5.53 mg/l [4 hours] OECD 403
dimantine	**Rat - Oral - LD50** 1230 mg/kg OECD 401 **Rabbit - Dermal - LC50** 8000 mg/kg TEPA and OECD
Bis (2-hydroxyethyl) tallow alkylamine	**Rat - Oral - LD50** 1350 mg/kg

	OECD 401
2-(heptadecenyl)-4,5-dihydro-1H-imidazole-1-ethanol	**Rat - Oral - LD50** 500 to 5000 mg/kg

Skin corrosion/irritation

Product/ingredient name	Result
Distillates (petroleum), hydrotreated heavy paraffinic	**Rabbit - Skin - Mild irritant** OECD 404
Distillates (petroleum), hydrotreated light paraffinic	**Rabbit - Skin - Non-irritant to skin.**
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	**Rabbit - Skin - Non-irritant to skin.** OECD 404
Distillates (petroleum), solvent-dewaxed heavy paraffinic	**Rabbit - Skin - Non-irritant to skin.**
dimantine	**Rabbit - Skin - Corrosive** OECD 404
Bis (2-hydroxyethyl) tallow alkylamine	**Rabbit - Skin - Corrosive** OECD 404

Serious eye damage/eye irritation

Product/ingredient name	Result
Distillates (petroleum), hydrotreated heavy paraffinic	**Rabbit - Eyes - Non-irritating to the eyes.** OECD 405
Distillates (petroleum), hydrotreated light paraffinic	**Rabbit - Eyes - Non-irritating to the eyes.** OECD 405
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	**Rabbit - Eyes - Non-irritating to the eyes.** OECD 405
Distillates (petroleum), solvent-dewaxed heavy paraffinic	**Rabbit - Eyes - Non-irritating to the eyes.** OECD 405
dimantine	**Rabbit - Eyes - Visible necrosis** OECD 405

Respiratory or skin sensitization

Product/ingredient name	Result
Distillates (petroleum), hydrotreated heavy paraffinic	**Guinea pig - skin** OECD 406 Result: Not sensitizing
Distillates (petroleum), hydrotreated light paraffinic	**Guinea pig - skin** OECD 406 Result: Not sensitizing
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	**Guinea pig - skin** OECD 406 Result: Not sensitizing
Distillates (petroleum), solvent-dewaxed heavy paraffinic	**Guinea pig - skin** OECD 406 Result: Not sensitizing
Bis (2-hydroxyethyl) tallow alkylamine	**Guinea pig - skin** OECD 406 Result: Not sensitizing

Product/ingredient name	Hazard class	Category
Not available.		

Germ cell mutagenicity

Product/ingredient name	Result

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Distillates (petroleum), hydrotreated heavy paraffinic	**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
Distillates (petroleum), hydrotreated light paraffinic	**In vitro - Bacteria** OECD [Bacterial Reverse Mutation Test] Result: Negative **In vitro - Mammal - species unspecified** OECD [In vitro Mammalian Chromosomal Aberration Test] Result: Negative
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	**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
Distillates (petroleum), solvent-dewaxed heavy paraffinic	**In vitro - Bacteria** OECD [Bacterial Reverse Mutation Test] Result: Negative **In vitro - Mammal - species unspecified** OECD [In vitro Mammalian Chromosomal Aberration Test] Result: Negative
dimantine	**In vivo - Bacteria** OECD 471 Result: Negative **In vitro - Mammalian-Animal** OECD 476 Result: Negative
Bis (2-hydroxyethyl) tallow alkylamine	**In vitro - Bacteria** OECD [Bacterial Reverse Mutation Test] Result: Negative **In vitro - Mammal - species unspecified** OECD [In vitro Mammalian Cell Gene Mutation Test] Result: Negative **In vitro - Mammalian-Human** OECD [In vitro Mammalian Chromosomal Aberration Test] Result: Negative

Carcinogenicity

Product/ingredient name	**Result**

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Distillates (petroleum), hydrotreated heavy paraffinic	**Mouse - Dermal - Unspecified** OECD 451 Result: Negative
Distillates (petroleum), solvent-dewaxed heavy paraffinic	**Mouse - Dermal - Unspecified** OECD 451 Result: Negative
dimantine	**Rat - Unreported - Unspecified** OECD 453 104 weeks Result: Negative

Product/ingredient name	Category	Route of exposure
Not available.		

Classification

Not available.

Reproductive toxicity

Product/ingredient name	Result
Distillates (petroleum), hydrotreated heavy paraffinic	**Rat - Oral** OECD 421 Maternal toxicity: Negative Fertility effects: Negative Developmental: Negative
Distillates (petroleum), hydrotreated light paraffinic	**Rat - Oral** OECD 421 Maternal toxicity: Negative Fertility effects: Negative Developmental: Negative
Distillates (petroleum), solvent-dewaxed heavy paraffinic	**Rat - Oral** OECD 421 Maternal toxicity: Negative Fertility effects: Negative Developmental: Negative
dimantine	**Rat - Oral** OECD 421 Maternal toxicity: Positive Fertility effects: Negative Developmental: Negative
Bis (2-hydroxyethyl) tallow alkylamine	**Rat - Oral** OECD 422 Maternal toxicity: Positive Fertility effects: Equivocal Developmental: Equivocal

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

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Result
2-(heptadecenyl)-4,5-dihydro-1H-imidazole-1-ethanol	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (digestive system, thymus) (oral) - Category 2

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Aspiration hazard

Product/ingredient name	Result
Distillates (petroleum), hydrotreated light paraffinic	ASPIRATION HAZARD - Category 1
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	ASPIRATION HAZARD - Category 1
Distillates (petroleum), solvent-dewaxed heavy paraffinic	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure

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

Potential acute health effects

Eye contact No known significant effects or critical hazards.

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

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

Ingestion No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact No specific data.

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

Skin contact Adverse symptoms may include the following:
irritation
dryness
cracking

Ingestion No specific data.

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

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

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

Ingestion Ingestion of large quantities may cause nausea and diarrhea.

Short term exposure

Potential immediate effects Not available.

Potential delayed effects Not available.

Long term exposure

Potential immediate effects Not available.

Potential delayed effects Not available.

Potential chronic health effects

General No known significant effects or critical hazards.

Carcinogenicity No known significant effects or critical hazards.

Mutagenicity No known significant effects or critical hazards.

Reproductive toxicity No known significant effects or critical hazards.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result
Distillates (petroleum), hydrotreated heavy paraffinic	**Acute - EL50** OECD 201 Algae >100 mg/l [72 hours] **Acute - EL50** OECD 202 Daphnia >10000 mg/l [48 hours] **Acute - LL50** OECD 203 Fish >100 mg/l [96 hours] **Chronic - NOEL** OECD 201 Algae ≥100 mg/l [72 hours] **Chronic - NOEL** OECD 211 Daphnia 10 mg/l [21 days]
Distillates (petroleum), hydrotreated light paraffinic	**Acute - EL50** OECD 201 Algae >100 mg/l [72 hours] **Acute - EL50** OECD 202 Daphnia >10000 mg/l [48 hours] **Acute - LL50** OECD 203 Fish >100 mg/l [96 hours] **Chronic - NOEL** OECD 201 Algae ≥100 mg/l [72 hours] **Chronic - NOEL** OECD 211 Daphnia 10 mg/l [21 days]
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	**Acute - ErL50** OECD 201 Algae 100 mg/l [72 hours] **Chronic - NOELR** OECD 201 Algae 100 mg/l [72 hours] **Acute - EL50** OECD 202 Daphnia >1000 mg/l [48 hours] **Chronic - NOELR** OECD 211 Daphnia 10 to 1000 mg/l [21 days]

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	Acute - LL50 OECD 203 Fish >100 mg/l [96 hours]
Distillates (petroleum), solvent-dewaxed heavy paraffinic	**Acute - EL50** OECD 201 Algae >100 mg/l [72 hours]
	Acute - EL50 OECD 202 Daphnia >10000 mg/l [48 hours]
	Acute - LL50 OECD 203 Fish >100 mg/l [96 hours]
	Chronic - NOEL OECD 201 Algae ≥100 mg/l [72 hours]
	Chronic - NOEL OECD 211 Daphnia 10 mg/l [21 days]
dimantine	**Acute - EC50** OECD 201 Algae 0.0165 mg/l [72 hours]
	Acute - EC50 OECD 202 Daphnia 0.0558 mg/l [48 hours]
	Acute - LC50 OECD 203 Fish 0.26 mg/l [96 hours]
	Chronic - ErL50 OECD 201 Algae 0.00256 mg/l [72 hours]
	Chronic - NOEL OECD 211 Daphnia 0.036 mg/l [21 days]
Bis (2-hydroxyethyl) tallow alkylamine	**Acute - EC50** OECD 201 Algae 0.0538 mg/l [72 hours]
	Acute - EC50 OECD 202 Daphnia 0.043 mg/l [48 hours]
	Acute - LC50 OECD 203 Fish 0.1 mg/l [96 hours]
	Chronic - EC10 OECD 201 Algae

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	0.0156 mg/l [72 hours] **Chronic - EC10** OECD 211 Daphnia 0.0107 mg/l [21 days]
2-(heptadecenyl)-4,5-dihydro-1H-imidazole-1-ethanol	**EC50** Fish 0.01 to 0.1 mg/l [96 hours]

Persistence/degradability

No testing has been performed by the manufacturer.

Product/ingredient name	Result
Distillates (petroleum), hydrotreated heavy paraffinic	OECD 301F 31% [28 days] - Not readily
Distillates (petroleum), hydrotreated light paraffinic	OECD 301F 31% [28 days] - Not readily
Distillates (petroleum), solvent-dewaxed heavy paraffinic	OECD 301F 31% [28 days] - Not readily
dimantine	OECD 301D 68% [28 days] - Readily
Bis (2-hydroxyethyl) tallow alkylamine	OECD 301D 61 to 65% [28 days] - Readily

Bioaccumulative potential

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

Product/ingredient name	$LogP_{ow}$	BCF	Potential
dimantine	>6.91	-	High
Bis (2-hydroxyethyl) tallow alkylamine	3.6	-	Low

Mobility in soil

Soil/Water partition coefficient Not available.

Mobility Spillages may penetrate the soil causing ground water contamination.

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

Section 13. Disposal considerations

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

Section 14. Transport information

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

Special precautions for user Not available.

Transport in bulk according to IMO instruments Not available.

Section 15. Regulatory information

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

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

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.

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

Japan inventory (CSCL) At least one component is not listed.

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	11/06/2025.
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Version	4.01
Prepared by	Product Stewardship

Key to abbreviations

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

Procedure used to derive the classification

Classification	Justification
AQUATIC HAZARD (ACUTE) - Category 2	Calculation method
AQUATIC HAZARD (LONG-TERM) - Category 3	Calculation method

References Not available.

Indicates information that has changed from previously issued version.

Notice to reader

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

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

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