SAFETY DATA SHEET



SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product name	Castrol Transmax ATF DX III Multivehicle
Product code	469689-BE02
SDS no.	469689
Product type	Liquid.
1.2 Relevant identified uses o	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.
1.3 Details of the supplier of t	the safety data sheet
Supplier	Castrol Lubricants, Div.BP Europa SE - BP Belgium Amocolaan 2 2440 Geel BELGIE Tel. 03 2860811
E-mail address	MSDSadvice@bp.com
1.4 Emergency telephone nur	mber
EMERGENCY TELEPHONE NUMBER	Carechem: +44 (0) 1235 239 670 (24/7)
SECTION 2: Hazards	identification
2.1 Classification of the subst	ance or mixture
Product definition	Mixture
Not classified.	Regulation (EC) No. 1272/2008 [CLP/GHS] ore detailed information on health effects and symptoms and environmental hazards.
2.2 Label elements	
Signal word	No signal word.
Hazard statements	No known significant effects or critical hazards.
Precautionary statements	
Precautionary statements Prevention	Not applicable.
Precautionary statements Prevention Response	Not applicable. Not applicable.
Precautionary statements Prevention Response Storage	Not applicable. Not applicable. Not applicable.
Precautionary statements Prevention Response Storage Disposal	Not applicable. Not applicable. Not applicable. Not applicable.
Precautionary statements Prevention Response Storage	Not applicable. Not applicable. Not applicable.
Precautionary statements Prevention Response Storage Disposal Supplemental label	Not applicable. Not applicable. Not applicable. Not applicable. Safety data sheet available on request.
Precautionary statements Prevention Response Storage Disposal Supplemental label elements	Not applicable. Not applicable. Not applicable. Not applicable. Safety data sheet available on request.
Precautionary statements Prevention Response Storage Disposal Supplemental label elements EU Regulation (EC) No. 1907 Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances,	Not applicable. Not applicable. Not applicable. Safety data sheet available on request.
Precautionary statements Prevention Response Storage Disposal Supplemental label elements EU Regulation (EC) No. 1907 Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Not applicable. Not applicable. Not applicable. Safety data sheet available on request.
Precautionary statements Prevention Response Storage Disposal Supplemental label elements EU Regulation (EC) No. 1907 Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Special packaging requirement Containers to be fitted with child-resistant	Not applicable. Not applicable. Not applicable. Safety data sheet available on request.
Precautionary statements Prevention Response Storage Disposal Supplemental label elements EU Regulation (EC) No. 1907 Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Special packaging requirement Containers to be fitted with child-resistant fastenings	Not applicable. Not applicable. Not applicable. Safety data sheet available on request. 7/2006 (REACH) Not applicable.
Precautionary statements Prevention Response Storage Disposal Supplemental label elements EU Regulation (EC) No. 1907 Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Special packaging requirement Containers to be fitted with child-resistant fastenings Tactile warning of danger	Not applicable. Not applicable. Not applicable. Safety data sheet available on request. 2006 (REACH) Not applicable. Ents Not applicable. At applicable.

SECTION 2: Hazards identification

2.3 Other hazards

Results of PBT and vPvB assessment Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII Other hazards which do Product does not meet the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII.

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Defatting to the skin.

SECTION 3: Composition/information on ingredients

Mixture

3.2 Mixtures

Product definition

not result in classification

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

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Туре
	REACH #: 01-2119484627-25 EC: 265-157-1 CAS: 64742-54-7 Index: 649-467-00-8	≥50 - ≤75	Asp. Tox. 1, H304	[1] [2]
Distillates (petroleum), solvent- dewaxed heavy paraffinic	REACH #: 01-2119471299-27 EC: 265-169-7 CAS: 64742-65-0 Index: 649-474-00-6	≥25 - ≤50	Asp. Tox. 1, H304	[1] [2]
2-Propenoic acid, 2-methyl-, butyl ester, polymer with N-[3- (dimethylamino)propyl]-2-methyl- 2-propenamide, dodecyl 2-methyl- 2-propenoate, eicosyl 2-methyl- 2-propenoate, hexadecyl 2-methyl- 2-propenoate and octadecyl 2-methyl- 2-propenoate	CAS: 176487-46-0	≤3	Eye Irrit. 2, H319	[1]
Distillates (petroleum), hydrotreated light paraffinic	REACH #: 01-2119487077-29 EC: 265-158-7 CAS: 64742-55-8 Index: 649-468-00-3	≤3	Asp. Tox. 1, H304	[1] [2]
Distillates (petroleum), hydrotreated heavy paraffinic	REACH #: 01-2119484627-25 EC: 265-157-1 CAS: 64742-54-7 Index: 649-467-00-8	≤3	Not classified.	[2]
Distillates (petroleum), solvent- dewaxed heavy paraffinic	REACH #: 01-2119471299-27 EC: 265-169-7 CAS: 64742-65-0 Index: 649-474-00-6	≤3	Not classified.	[2]

See Section 16 for the full text of the H statements declared above.

<u>Type</u>

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

[6] Additional disclosure due to company policy

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

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SECTION 4: First aid measures

4.1 Description of first aid me	easures
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	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 irritation develops.
Inhalation	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.
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

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

Potential acute health effects	
Inhalation	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Ingestion	No known significant effects or critical hazards.
Skin contact	Defatting to the skin. May cause skin dryness and irritation.
Eye contact	No known significant effects or critical hazards.
Delayed and immediate effects	as well as chronic effects from short and long-term exposure
	Overexposure to the inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.
Ingestion	Ingestion of large quantities may cause nausea and diarrhoea.
Skin contact	Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.
Eye contact	Potential risk of transient stinging or redness if accidental eye contact occurs.

4.3 Indication of any immediate medical attention and special treatment needed

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Notes to physician
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Preatment 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.

SECTION 5: Firefighting measures

5.1 Extinguishing mediaIn case of fire, use foam, dry chemical or carbon dioxide extinguisher or spray.Suitable extinguishing mediaIn case of fire, use foam, dry chemical or carbon dioxide extinguisher or spray.Unsuitable extinguishing mediaDo not use water jet. The use of a water jet may cause the fire to spread by splashing the burning product.5.2 Special hazards arising from the substance or mixture Hazards from the substance or mixtureIn a fire or if heated, a pressure increase will occur and the container may burst.Hazardous combustion productsCombustion products may include the following: carbon oxides (CO, CO ₂) (carbon monoxide, carbon dioxide) nitrogen oxides (NO, NO2 etc.)5.3 Advice for firefightersNo 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-fightersFire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire- fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.			
mediaDo not use water jet. The use of a water jet may cause the fire to spread by splashing the burning product.5.2 Special hazards arising from the substance or mixture Hazards from the substance or mixture Hazardous combustion productsIn a fire or if heated, a pressure increase will occur and the container may burst.6.3 Advice for firefighters Special precautions for fire-fighters©ombustion products may include the following: carbon oxides (CO, CO2) (carbon monoxide, carbon dioxide) nitrogen oxides (NO, NO2 etc.)7.3 Advice for firefighters Special precautions for fire-fightersNo 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 appropriate protective equipment and self-contained breathing aparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire- fighters (including helmets, protective boots and gloves) conforming to European standard EN	5.1 Extinguishing media		
mediaburning product.5.2 Special hazards arising from the substance or mixtureHazards from the substance or mixtureHazardous combustion productsHazardous combustion productsCombustion products may include the following: carbon oxides (CO, CO2) (carbon monoxide, carbon dioxide) nitrogen oxides (NO, NO2 etc.)5.3 Advice for firefightersSpecial precautions for fire-fightersSpecial protective equipment for fire-fightersSpecial protective equipment for fire-fightersFire-fightersSpecial protective equipment for fire-fightersSpecial protective <th>• •</th> <th colspan="2"></th>	• •		
Hazards from the substance or mixtureIn a fire or if heated, a pressure increase will occur and the container may burst.Hazardous combustion productsCombustion products may include the following: carbon oxides (CO, CO2) (carbon monoxide, carbon dioxide) 		, , , , , , , ,	
substance or mixtureHazardous combustion productsCombustion products may include the following: carbon oxides (CO, CO2) (carbon monoxide, carbon dioxide) nitrogen oxides (NO, NO2 etc.)5.3 Advice for firefightersSpecial precautions for fire-fightersSpecial precautions for fire-fightersNo 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-fightersFire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire- fighters (including helmets, protective boots and gloves) conforming to European standard EN	5.2 Special hazards arising fro	om the substance or mixture	
productscarbon oxides (CO, CO2) (carbon monoxide, carbon dioxide) nitrogen oxides (NO, NO2 etc.)5.3 Advice for firefightersNo 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-fightersFire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire- fighters (including helmets, protective boots and gloves) conforming to European standard EN			
Special precautions for fire-fightersNo 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-fightersFire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire- fighters (including helmets, protective boots and gloves) conforming to European standard EN		carbon oxides (CO, CO ₂) (carbon monoxide, carbon dioxide)	
fire-fightersisolate the scene by removing all persons from the vicinity of the incident if there is a fire.Special protective equipment for fire-fightersFire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire- fighters (including helmets, protective boots and gloves) conforming to European standard EN	5.3 Advice for firefighters		
equipment for fire-fighters apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN			
		apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire- fighters (including helmets, protective boots and gloves) conforming to European standard EN	

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures			
For non-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 spilt material. Floors may be slippery; use care to avoid falling. Put on appropriate personal protective equipment.		
For emergency responders	Fspecialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".		
6.2 Environmental precautions	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).		
6.3 Methods and material for co	ontainment 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. 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.		
6.4 Reference to other sections	See Section 1 for emergency contact information. See Section 5 for firefighting measures. See Section 8 for information on appropriate personal protective equipment. See Section 12 for environmental precautions. See Section 13 for additional waste treatment information.		

SECTION 7: Handling and storage

7.1 Precautions for safe handl	ing
Protective measures	Put on appropriate personal protective equipment.
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.
7.2 Conditions for safe storage, including any incompatibilities	Store in accordance with local regulations. Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Keep away from heat and direct sunlight. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store and use only in equipment/ containers designed for use with this product. Do not store in unlabelled containers.
Not suitable	Prolonged exposure to elevated temperature.
7.3 Specific end use(s)	
Recommendations	See section 1.2 and Exposure scenarios in annex, if applicable.
SECTION 8: Exposure	e controls/personal protection
8.1 Control parameters	
Occupational exposure limits	No exposure limit value known.

Product/ingredient name	Exposure limit values
Distillates (petroleum), hydrotreated heavy paraffinic	Limit values (Belgium). TWA: 5 mg/m ³ 8 hours. Issued/Revised: 10/2002 Form: Mist STEL: 10 mg/m ³ 15 minutes. Issued/Revised: 10/2002 Form: Mist
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Limit values (Belgium).
p	TWA: 5 mg/m ³ 8 hours. Issued/Revised: 10/2002 Form: Mist STEL: 10 mg/m ³ 15 minutes. Issued/Revised: 10/2002 Form: Mist
Distillates (petroleum), hydrotreated light paraffinic	Limit values (Belgium). TWA: 5 mg/m ³ 8 hours. Issued/Revised: 10/2002 Form: Mist STEL: 10 mg/m ³ 15 minutes. Issued/Revised: 10/2002 Form: Mist
Distillates (petroleum), hydrotreated heavy paraffinic	Limit values (Belgium). TWA: 5 mg/m ³ 8 hours. Issued/Revised: 10/2002 Form: Mist
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SECTION 8: Exposure controls/personal protection

STEL: 10 mg/m³ 15 minutes. Issued/Revised: 10/2002 Form: Mist

Distillates (petroleum), solvent-dewaxed heavy paraffinic

TWA: 5 mg/m³ 8 hours. Issued/Revised: 10/2002 Form: Mist STEL: 10 mg/m³ 15 minutes. Issued/Revised: 10/2002 Form: Mist

Whilst specific OELs for certain components may be shown in this section, other components may be present in any mist, vapour or dust produced. Therefore, the specific OELs may not be applicable to the product as a whole and are provided for guidance only.

Limit values (Belgium).

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Derived No Effect Level

No DNELs/DMELs available.

Predicted No Effect Concentration

No PNECs available

8.2 Exposure controls				
Appropriate engineering controls	concentrations below their resp All activities involving chemical exposures are adequately cont after other forms of control mea Personal protective equipment kept in good condition and prop Your supplier of personal prote appropriate standards. For fur The final choice of protective e	other engineering controls to keep bective occupational exposure limit is should be assessed for their risk trolled. Personal protective equipm asures (e.g. engineering controls) h should conform to appropriate star perly maintained. Ective equipment should be consult ther information contact your nation equipment will depend upon a risk a al protective equipment are compari-	s. s to health, to ent should onl have been suit ndards, be sui ed for advice o nal organisatio assessment. It	ensure y be considered tably evaluated. table for use, be on selection and on for standards.
Individual protection measur	<u>es</u>			
Hygiene measures	smoking and using the lavatory	e thoroughly after handling chemic and at the end of the working peri- e close to the workstation location.	iod. Ensure th	
Respiratory protection	The correct choice of respirato conditions of work and use, an should be developed for each it	n, wear suitable respiratory equipn ry protection depends upon the chu d the condition of the respiratory ed intended application. Respiratory p ation with the supplier/manufacture	emicals being quipment. Safe rotection equip	ety procedures oment should
Eye/face protection	Safety glasses with side shield	S.		
Skin protection				
Hand protection	General Information:			
	should be developed for each i depends upon the chemicals b provide protection for only a lin best chemically resistant glove	ments and material handling practi- intended application. The correct c eing handled, and the conditions o nited time before they must be disc s will break down after repeated ch	hoice of protect f work and use arded and rep nemical expose	ctive gloves e. Most gloves laced (even the ures).
	Gloves should be chosen in co a full assessment of the workin	nsultation with the supplier / manu ig conditions.	facturer and ta	aking account of
	Recommended: Nitrile gloves. Breakthrough time:			
	and represent how long a glove is important when following bre	nerated by glove manufacturers un e can be expected to provide effect eakthrough time recommendations unt. Always consult with your glove	tive permeation that actual work	n resistance. It rkplace
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SECTION 8: Exposure controls/personal protection

technical information on breakthrough times for the recommended glove type. Our recommendations on the selection of gloves are as follows:

Continuous contact:

	Continuous contact:
	Gloves with a minimum breakthrough time of 240 minutes, or >480 minutes if suitable gloves can be obtained. If suitable gloves are not available to offer that level of protection, gloves with shorter breakthrough times may be acceptable as long as appropriate glove maintenance and replacement regimes are determined and adhered to.
	Short-term / splash protection:
	Recommended breakthrough times as above. It is recognised that for short-term, transient exposures, gloves with shorter breakthrough times may commonly be used. Therefore, appropriate maintenance and replacement regimes must be determined and rigorously followed.
	Glove Thickness:
	For general applications, we recommend gloves with a thickness typically greater than 0.35 mm.
	It should be emphasised that glove thickness is not necessarily a good predictor of glove resistance to a specific chemical, as the permeation efficiency of the glove will be dependent on the exact composition of the glove material. Therefore, glove selection should also be based on consideration of the task requirements and knowledge of breakthrough times. Glove thickness may also vary depending on the glove manufacturer, the glove type and the glove model. Therefore, the manufacturers' technical data should always be taken into account to ensure selection of the most appropriate glove for the task.
	Note: Depending on the activity being conducted, gloves of varying thickness may be required for specific tasks. For example:
	• Thinner gloves (down to 0.1 mm or less) may be required where a high degree of manual dexterity is needed. However, these gloves are only likely to give short duration protection and would normally be just for single use applications, then disposed of.
	• Thicker gloves (up to 3 mm or more) may be required where there is a mechanical (as well as a chemical) risk i.e. where there is abrasion or puncture potential.
Skin and body	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.
<u>Refer to standards:</u>	Respiratory protection: EN 529 Gloves: EN 420, EN 374 Eye protection: EN 166 Filtering half-mask: EN 149 Filtering half-mask with valve: EN 405 Half-mask: EN 140 plus filter Full-face mask: EN 136 plus filter Particulate filters: EN 143 Gas/combined filters: EN 14387
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	
Physical state	Liquid.
Colour	Red. [Light]
Odour	Not available.
Odour threshold	Not available.
рН	Not applicable.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Pour point	-45 °C
Flash point	Open cup: >170°C (>338°F) [Cleveland.]
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Density	<1000 kg/m³ (<1 g/cm³) at 15°C
Solubility(ies)	insoluble in water.
Partition coefficient: n-octanol/ water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Kinematic: 35 mm²/s (35 cSt) at 40°C Kinematic: 6.8 to 8 mm²/s (6.8 to 8 cSt) at 100°C
Explosive properties	Not available.
Oxidising properties	Not available.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity			
10.1 Reactivity	No specific test data available for this product. Refer to Conditions to avoid and Incompatible materials for additional information.		
10.2 Chemical stability	The product is stable.		
10.3 Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerisation will not occur.		
10.4 Conditions to avoid	Avoid all possible sources of ignition (spark or flame).		
10.5 Incompatible materials	Reactive or incompatible with the following materials: oxidising materials.		
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.		

SECTION 11: Toxicological information

11.1 Information on toxicologic	al effects
Acute toxicity estimates Not available.	
Information on likely routes of exposure	Routes of entry anticipated: Dermal, Inhalation.
Potential acute health effects	

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SECTION 11: Toxicological information

Inhalation	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.		
Ingestion	No known significant effects or critical hazards.		
Skin contact	Defatting to the skin. May cause skin dryness and irritation.		
Eye contact No known significant effects or critical hazards.			
Symptoms related to the phy	sical, chemical and toxicological characteristics		
Inhalation	May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs.		
Ingestion	No specific data.		
Skin contact	Adverse symptoms may include the following: irritation dryness cracking		
Eye contact	No specific data.		
Delayed and immediate effec	ts as well as chronic effects from short and long-term exposure		
Inhalation	Overexposure to the inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.		
Ingestion	Ingestion of large quantities may cause nausea and diarrhoea.		
Skin contact	Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.		
Eye contact	Potential risk of transient stinging or redness if accidental eye contact occurs.		
Potential chronic health effect	<u>ets</u>		
General	No known significant effects or critical hazards.		
Carcinogenicity	No known significant effects or critical hazards.		
Mutagenicity	No known significant effects or critical hazards.		
Developmental effects	No known significant effects or critical hazards.		
Fertility effects	No known significant effects or critical hazards.		

SECTION 12: Ecological information

12.1 Toxicity

Not classified as dangerous

12.2 Persistence and degradability

Expected to be biodegradable.

Environmental hazards

12.3 Bioaccumulative potential

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

12.4 Mobility in soil	
Soil/water partition coefficient (Koc)	Not available.
Mobility	Spillages may penetrate the soil causing ground water contamination.

12.5 Results of PBT and vPvB assessment

Product does not meet the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII.

12.6 Other adverse effects

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

13.1 Waste treatment metho	ods
Product	
Methods of disposal	Where possible, arrange for product to be recycled. Dispose of via an authorised person/ licensed waste disposal contractor in accordance with local regulations.
Hazardous waste	Yes.
European waste catalogu	ie (EWC)

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SECTION 13: Disposal considerations

Waste code	Waste designation		
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils		
However, deviation from the intended use and/or the presence of any potential contaminants may require an alternative was disposal code to be assigned by the end user.			
Packaging			
Methods of disposal	Where possible, arrange for product to be recycled. Dispose of via an authorised person/ licensed waste disposal contractor in accordance with local regulations.		
Special 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.		
References	Commission 2014/955/EU		

SECTION 14: Transport information

Directive 2008/98/EC

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.
Additional information	-	-	-	-

14.6 Special precautions for Not available. user

 14.7 Transport in bulk
 Not available.

 according to IMO
 instruments

SECTION 15: Regulatory information

•	onmental regulations/legislation s	pecific for t	he substance	or mixture	
EU Regulation (EC) No. 190					
Annex XIV - List of substa	nces subject to authorisation				
Annex XIV					
None of the components a	re listed.				
Substances of very high	<u>concern</u>				
None of the components	are listed.				
EU Regulation (EC) No. 190	7/2006 (REACH)				
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Not applicable.				
Other regulations					
REACH Status	The company, as identified in S current requirements of REACH		s this product i	n the EU in compliand	e with the
United States inventory (TSCA 8b)	All components are active or ex	empted.			
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SECTION 15: Regulatory information

Australia inventory (AICS)	At least one component is not listed.					
Canada inventory	All components are listed or exempted.					
China inventory (IECSC)	All components are listed or exempted.					
Japan inventory (ENCS)	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.					
Ozone depleting substances (1005/2009/EU)						
Not listed.						
Prior Informed Consent (PIC) (649/2012/EU) Not listed.						
EU - Water framework directi	<u>ve - Priority substances</u>					
None of the components are lis	sted.					
Seveso Directive						

This product is not controlled under the Seveso Directive.

15.2 Chemical safety	A Chemical Safety Assessment has been carried out for one or more of the substances within
assessment	this mixture. A Chemical Safety Assessment has not been carried out for the mixture itself.

SECTION 16: Other information

Abbreviations and acronyms	ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
	ADR = The European Agreement concerning the International Carriage of Dangerous Goods by
	Road
	ATE = Acute Toxicity Estimate
	BCF = Bioconcentration Factor
	CAS = Chemical Abstracts Service
	CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] CSA = Chemical Safety Assessment
	CSR = Chemical Safety Report
	DMEL = Derived Minimal Effect Level
	DNEL = Derived No Effect Level
	EINECS = European Inventory of Existing Commercial chemical Substances
	ES = Exposure Scenario
	EUH statement = CLP-specific Hazard statement
	EWC = European Waste Catalogue
	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)
	OECD = Organisation for Economic Co-operation and Development
	PBT = Persistent, Bioaccumulative and Toxic
	PNEC = Predicted No Effect Concentration
	REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation [Regulation (EC) No. 1907/2006]
	RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail RRN = REACH Registration Number
	SADT = Self-Accelerating Decomposition Temperature
	SVHC = Substances of Very High Concern
	STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
	STOT-SE = Specific Target Organ Toxicity - Single Exposure
	TWA = Time weighted average
	UN = United Nations
	UVCB = Complex hydrocarbon substance
	VOC = Volatile Organic Compound
	vPvB = Very Persistent and Very Bioaccumulative
	Varies = may contain one or more of the following 64741-88-4 / RRN 01-2119488706-23,

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64741-89-5 / RRN 01-2119487067-30, 64741-95-3 / RRN 01-2119487081-40, 64741-96-4/ RRN 01-2119483621-38, 64742-01-4 / RRN 01-2119488707-21, 64742-44-5 / RRN 01-2119985177-24, 64742-45-6, 64742-52-5 / RRN 01-2119467170-45, 64742-53-6 / RRN 01-2119480375-34, 64742-54-7 / RRN 01-2119484627-25, 64742-55-8 / RRN 01-2119487077-29, 64742-56-9 / RRN 01-2119480132-48, 64742-57-0 / RRN 01-2119489287-22, 64742-58-1, 64742-62-7 / RRN 01-2119480472-38, 64742-63-8, 64742-65-0 / RRN 01-2119471299-27, 64742-70-7 / RRN 01-2119487080-42, 72623-85-9 / RRN 01-21194555262-43, 72623-86-0 / RRN 01-2119474878-16, 72623-87-1 / RRN 01-2119474889-13

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classif	ication	Justification
Not classified.		
Full text of abbreviated H statements	H304 H319	May be fatal if swallowed and enters airways. Causes serious eye irritation.
Full text of classifications [CLP/GHS]	Asp. Tox. 1 Eye Irrit. 2	ASPIRATION HAZARD - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
<u>History</u>		
Date of issue/ Date of revision	08/03/2021.	
Date of previous issue 18/11/2020.		
Prepared by	Product Stewardship	

✓ Indicates information that has changed from previously issued version.

Notice to reader

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