Conforms to REGULATIONS FOR HAZARDOUS CHEMICAL AGENTS, 2021, Government Gazette 44348

SAFETY DATA SHEET



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

1.1 Product identifier	
Product name	Perfecto XEP 32
Product code	467351-DE04
SDS #	467351
Product type	Liquid.

1.2 Relevant identified uses of the substance or mixture and uses advised against		
Use of the substance/	Turbine Oil	
mixture	For specific application advice see appropriate Technical Data Sheet or consult our company representative.	

1.3 Details of the supplier	of the safety data sheet
Supplier	BP Southern Africa (Pty)Ltd 199 Oxford Road Oxford Parks Dunkeld, 2196 South Africa
E-mail address	Product Technical Helpdesk: 0800 111 551 MSDSadvice@bp.com

1.4 Emergency telephone nur	nber
EMERGENCY	Tygerberg Poison Centre: 0861 555 777
TELEPHONE NUMBER	Carechem: +27 21 300 2732 (24/7)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Product definition Mixture

Not classified.

See sections 11 and 12 for more 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	
Prevention	Not applicable.
Response	Not applicable.
Storage	Not applicable.
Disposal	Not applicable.
Hazardous ingredients	Not applicable.
Supplemental label elements	Contains N-1-naphthylaniline and (4-nonylphenoxy)acetic acid. May produce an allergic reaction. Safety data sheet available on request.
2.3 Other hazards	

Other hazards which do not result in classification

Defatting to the skin.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Product definition

Mixture

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

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
№ -1-naphthylaniline	REACH #: 01-2119488704-27 EC: 201-983-0 CAS: 90-30-2	<0.25	Acute Tox. 4, H302 Skin Sens. 1B, H317 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ATE [Oral] = 500 mg/ kg M [Acute] = 1 M [Chronic] = 1	[1]
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	REACH #: 01-2119491299-23 EC: 270-128-1 CAS: 68411-46-1	≤0.3	Repr. 2, H361f	-	[1]
(4-nonylphenoxy)acetic acid	REACH #: 01-2119982392-31 EC: 221-486-2 CAS: 3115-49-9	<0.1	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ATE [Oral] = 500 mg/ kg M [Acute] = 1 M [Chronic] = 1	[1]

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

[1] Substance classified with a health or environmental hazard

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

SECTION 4: First aid measures

4.1 Description of first aid measures Eye contact In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses. Get medical attention. Skin contact 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 If inhaled, remove to fresh air. Get medical attention if symptoms occur. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if Ingestion 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 Vapour inhalation under ambient conditions is not normally a problem due to low vapour pressure. Ingestion No known significant effects or critical hazards. Skin contact Defatting to the skin. May cause skin dryness and irritation. No known significant effects or critical hazards. Eye contact Delayed and immediate effects 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.

4.3 Indication of any immediate medical attention and special treatment needed

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

SECTION 5: Firefighting measures			
5.1 Extinguishing media			
Suitable extinguishing media	In case of fire, use foam, dry chemical or carbon dioxide extinguisher or spray.		
Unsuitable extinguishing media	Do not use water jet. The use of a water jet may cause the fire to spread by splashing the burning product.		

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SECTION 5: Firefighting measures

5.2 Special hazards arising f	rom the substance or mixture
Hazards from the substance or mixture	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous combustion products	Combustion products may include the following: carbon oxides (CO, CO₂) (carbon monoxide, carbon dioxide)
5.3 Advice for firefighters	
Special precautions for	No action shall be taken involving any personal risk or without suitable training. Promptly

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

Fire-fighters should wear 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.

SECTION 6: Accidental release measures

6.1 Personal precautions, prot	ective 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	If specialised 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 c	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. 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 handling	ng
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.

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SECTION 8: Exposure	controls/personal protection
.1 Control parameters	
Occupational exposure limits	No exposure limit value known.
Product/ingredie	nt name Exposure limit values
	components may be shown in this section, other components may be present in any mist, fore, the specific OELs may not be applicable to the product as a whole and are provided for
Recommended monitoring procedures	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 procedure 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.
Biological exposure indices	
Product/ingredient	name Exposure indices
No exposure indices known.	
Derived No Effect Level	
No DNELs/DMELs available.	
Predicted No Effect Concentra	ation
No PNECs available	
8.2 Exposure controls	
Appropriate engineering controls	Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits. 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, b 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. 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.
Individual protection measure	-
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. Ensure that eyewash stations and safety showers are close to the workstation location.
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/face protection	Safety glasses with side shields.
Skin protection	
Hand protection	General Information:
	Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. The correct choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. Most gloves provide protection for only a limited time before they must be discarded and replaced (even the best chemically resistant gloves will break down after repeated chemical exposures).
	Gloves should be chosen in consultation with the supplier / manufacturer and taking account of a full assessment of the working conditions.

Recommended: Nitrile gloves. **Breakthrough time:**

Breakthrough time data are generated by glove manufacturers under laboratory test conditions and represent how long a glove can be expected to provide effective permeation resistance. It is important when following breakthrough time recommendations that actual workplace conditions are taken into account. Always consult with your glove supplier for up-to-date technical information on breakthrough times for the recommended glove type. Our recommendations on the selection of gloves are as follows:

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SECTION 8: Exp	osure controls/	personal	protection
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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 riocrously followed
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. **Refer to standards:** 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** 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 controls scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

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

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pH	Not applicable.				
Odour threshold	Not available.				
Odour	Oily.				
Colour	Colourless.				
Physical state	Liquid.				
Appearance					

SECTION 9: Physical and chemical properties

range Pour point -30 °C Flash point Open cup: >215°C (>419°F) [Cleveland] Evaporation rate Not available. Flammability (solid, gas) Not available. Lower and upper explosion limit Not available. Vapour pressure Ingredient name Imm Hg Pa Method mm hydrofreated heavy 0.011 ASTM D 5191 ingredient name Ingredient name mm Hg Paulitates (petroleum), <0.08 <0.011 ASTM D 5191 ingredient name Ingredient name mm Hg Paulitates (petroleum), <0.08 <0.011 Astm D 5191 ingredient name Partition ceastic Not available. Relative density Not available. Media Result water Not available. Partition coefficient: n-octanol/ Not available. Viscosity Kinematic: 31.96 mm ⁷ /s (31.96 cSt) at 40°°C Kinematic: 5.531 mm ² /s (5.531 cSt) at 100°C Explosive properties Not available. Not available. Oxidising properties	Melting point/freezing point Initial boiling point and boiling	Not available. Not available.						
Flash point Open cup: >215°C (>419°F) [Cleveland] Evaporation rate Not available. Flammability (solid, gas) Not available. Lower and upper explosion limit Not available. Vapour pressure Ingredient name mm Hg kPa Media Relative (percent), <0.08 <0.011 ASTM D 5191 hydrotreaded heavy yaraffinic Media Relative density Not available. Relative density Not available. Media Result water Not available. Auto-ignition temperature Not available. Viscosity Kinematic: 31.96 mm²/s (31.96 cSt) at 40°C Kinematic: 35.31 mm²/s (5.531 cSt) at 100°C Explosive properties Not available. Oxidising properties Not available. Stability clease Not available. Media Result	range							
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Flammability (solid, gas) Not available. Lower and upper explosion limit Not available. Vapour pressure Ingredient name mm Hg kPa Method mg kPa Method Distillates (petroleum), <0.08	Flash point	Open cup: >215°C	(>419°F)	[Clevela	and]			
Lower and upper explosion limit Not available. Vapour pressure Ingredient name Wapour Pressure at 20°C Vapour pressure at 20°C<	Evaporation rate	Not available.						
Iimit Vapour pressure Vapour Pressure at 20°C Vapour pressu	Flammability (solid, gas)	Not available.						
Ingredient name Imp Hg kPa Method mm Hg Method Hg Hg Method Hg Hg<		Not available.						
Distillates (petroleum), <0.08 Hg Particle characteristics Not available. Relative vapour density Not available. Relative density Not available. Density <1000 kg/m³ (<1 g/cm³) at 15°C	Vapour pressure		Vapou	r Press	ure at 20°C	Vap	our pres	sure at 50°C
hydrotreated heavy heave paraffinic hot available. Relative density Not available. Density <1000 kg/m³ (<1 g/cm³) at 15°C Solubility(ies) Media Media Result water Not soluble Partition coefficient: n-octanol/ Not applicable. water Not available. Auto-ignition temperature Not available. Decomposition temperature Not available. Viscosity Kinematic: 31.96 mm²/s (31.96 cSt) at 40°C Kinematic: 5.531 mm²/s (5.531 cSt) at 100°C Explosive properties Not available. Not available. Oxidising properties Not available. Particle characteristics Median particle size Median particle size Not applicable. 9.2 Other information No additional information. SECTION 10: Stability and reactivity No specific test data available for this product. Refer to Conditions to avoid materials for additional information.		Ingredient name	mm Hg	kPa	Method		kPa	Method
Relative density Not available. Density <1000 kg/m³ (<1 g/cm³) at 15°C		hydrotreated heavy	<0.08	<0.011	ASTM D 5191			
Density <1000 kg/m³ (<1 g/cm³) at 15°C	Relative vapour density	Not available.			•			•
Solubility(ies) Result water Not soluble Particle characteristics Not available. Viscosity Kinematic. Solubility properties Not available. Oxidising properties Not available. Particle characteristics Not available. Median particle size Not available. Solubility and reactivity Not available. Not available. Not available. Oxidising properties Not available. Particle characteristics Not available. Median particle size Not available. 9.2 Other information No specific test data available for this product. Refer to Conditions to avoid materials for additional information.	Relative density	Not available.						
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Decomposition temperature Not available. Viscosity Kinematic: 31.96 mm²/s (31.96 cSt) at 40°C Viscosity Kinematic: 5.531 mm²/s (5.531 cSt) at 100°C Explosive properties Not available. Oxidising properties Not available. Particle characteristics Not available. Median particle size Not applicable. 9.2 Other information Not applicable. No additional information. SECTION 10: Stability and reactivity 0.1 Reactivity No specific test data available for this product. Refer to Conditions to avoid materials for additional information.		Not applicable.						
Viscosity Kinematic: 31.96 mm²/s (31.96 cSt) at 40°C Kinematic: 5.531 mm²/s (5.531 cSt) at 100°C Explosive properties Not available. Oxidising properties Not available. Particle characteristics Median particle size Not applicable. 9.2 Other information No additional information. Not applicable. SECTION 10: Stability and reactivity No specific test data available for this product. Refer to Conditions to avoid a materials for additional information.	Auto-ignition temperature	Not available.						
Kinematic: 5.531 mm²/s (5.531 cSt) at 100°C Explosive properties Not available. Oxidising properties Not available. Particle characteristics Not available. Median particle size Not applicable. 9.2 Other information Not additional information. SECTION 10: Stability and reactivity 0.1 Reactivity No specific test data available for this product. Refer to Conditions to avoid a materials for additional information.	Decomposition temperature	Not available.						
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Median particle size Not applicable. 9.2 Other information No additional information. No additional information. SECTION 10: Stability and reactivity 0.1 Reactivity No specific test data available for this product. Refer to Conditions to avoid a materials for additional information.	Oxidising properties	Not available.						
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No additional information. SECTION 10: Stability and reactivity 0.1 Reactivity No specific test data available for this product. Refer to Conditions to avoid a materials for additional information.		set set nousio.						
SECTION 10: Stability and reactivity 0.1 Reactivity No specific test data available for this product. Refer to Conditions to avoid materials for additional information.								
10.1 Reactivity No specific test data available for this product. Refer to Conditions to avoid a materials for additional information.		and reactivity						
materials for additional information.	-	•						
10.2 Chemical stability The product is stable.	I0.1 Reactivity				oduct. Refer	to Cond	ditions to a	avoid and In
	0.2 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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
N-1-naphthylaniline	500	N/A	N/A	N/A	N/A
(4-nonylphenoxy)acetic acid	500	N/A	N/A	N/A	N/A

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SECTION 11: Toxicological information

Information on likely routes of exposure	Routes of entry anticipated: Dermal, Inhalation, Eyes.
Potential acute health effects	
Inhalation	Vapour inhalation under ambient conditions is not normally a problem due to low vapour pressure.
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 phys	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 effect	s 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	ts
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.

11.2 Information on other hazards

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Environmental hazards Not classified as dangerous

12.2 Persistence and degradability

Expected to be biodegradable.

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 (K _{oc})	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.

Other ecological information	Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.
12.7 Other adverse effects	No known significant effects or critical hazards.

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SECTION 13: Disposal considerations

13.1 Waste treatment method	S
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.
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.
Other information	At sea, used or unwanted product should be stored for eventual discharge into port approved waste oil disposal facilities.
References	Commission 2014/955/EU Directive 2008/98/EC

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number or ID 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 Maritime transport in
bulk according to IMO
instrumentsNot available.

SECTION 15: Regulatory information

15.1 Safety, health and enviro	nmental regulations/legislation specific for the substance or mixture
Other regulations	
REACH Status	The company, as identified in Section 1, sells this product in the EU in compliance with the current requirements of REACH.
United States inventory (TSCA 8b)	All components are active or exempted.
Australia inventory (AIIC)	All components are listed or exempted.
Canada inventory	All components are listed or exempted.
China inventory (IECSC)	All components are listed or exempted.
Japan inventory (CSCL)	All components are listed or exempted.
Korea inventory (KECI)	All components are listed or exempted.
Philippines inventory (PICCS)	All components are listed or exempted.
Taiwan Chemical Substances Inventory (TCSI)	All components are listed or exempted.

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SECTION 15: Regulatory information 15.2 Chemical safety Assessment has been carried out for one or more of the substances within

asse	essn	nent	

A Chemical Safety Assessment has been carried out for one or more of the substances within 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,
	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 01-2119555262-43, 72623-86-0 / RRN 01-2119474878-16, 72623-87-1 / RRN
	01-2119474889-13
History	
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Indicates information that has changed from previously issued version.

28/11/2022.

Product Stewardship

Notice to reader

Prepared by

Date of previous issue

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

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

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The BP Group shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or

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SECTION 16: Other information

using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken. You can contact the BP Group to ensure that this document is the most current available. Alteration of this document is strictly prohibited.

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