Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2015/830

SAFETY DATA SHEET



1.1 Product identifier		Castrolus	
Product name	Hyspin ZZ 32	Castrol Hyspin ZZ 32 = OFSW-32	
Product code	451128-DE04	OFSW-32	
SDS no.	451128	Festo AG & Co. KG	
Product type	Liquid.	D-73734 Ecol	
1.2 Relevant identified uses	of the substance or mixture and uses advised against	WWW.Festo sa	
Use of the substance/ mixture	es of the substance or mixture and uses advised against Hydraulic fluid. For specific application advice see appropriate Technical Data Sheet or consult our company representative.		
1.3 Details of the supplier o	f the safety data sheet		
Supplier	Castrol (UK) Limited PO Box 352, Chertsey Road, Sunbury On Thames, Middlesex, TW 16 9AW Orders/Enquiries: 0845 9645111 Technical Enqu	iries: 0845 9000209	
E-mail address	MSDSadvice@bp.com		

1.4 Emergency telephone number		
EMERGENCY TELEPHONE NUMBER	Carechem: +44 (0) 1235 239 670 (24/7)	

SECTION 2: Hazards identification

 2.1 Classification of the substance or mixture

 Product definition
 Mixture

 Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

 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.
Supplemental label elements	Not applicable.
EU Regulation (EC) No. 1907/2	2006 (REACH)
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Not applicable.
Special packaging requirement	<u>nts</u>

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SECTION 2: Hazards identification

Containers to be fitted with child-resistant fastenings	Not applicable.				
Tactile warning of danger	Not applicable.				
2.3 Other hazards					
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.				
Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	$\overline{\mathbf{P}}$ his mixture does not contain any substances that are assessed to be a PBT or a vPvB.				
Other hazards which do not result in classification	Defatting to the skin. Note: High Pressure Applications Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency. See 'Notes to physician' under First-Aid Measures, Section 4 of this Safety Data Sheet.				
SECTION 3: Composi	tion/information on	ingred	ients		
3.2 Mixtures					
Product definition	Mixture				
Highly refined base oil (IP 346	DMSO extract < 3%). Proprie	tary perforr	nance additives		
Product/ingredient name	Identifiers		%	Regulation (EC) No. 1272/2008 [CLP]	Туре
	tics, REACH #: 01-21194 EC: - CAS: -	51097-39	≤0.3	Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066	[1]
See Section 16 for the full tex	t of the H statements declar	ed above.			
Type					
 Substance classified with a h Substance with a workplace Substance meets the criteria Substance meets the criteria Substance of equivalent con Additional disclosure due to 	exposure limit for PBT according to Regula for vPvB according to Regul cern	tion (EC) N			
Occupational exposure limits, if	available, are listed in Sectio	n 8.			
SECTION 4: First aid	measures				
4.1 Description of first aid mea					

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.	
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 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. Delayed and immediate effects as well as chronic effects from short and long-term exposure Product name Hyspin ZZ 32 Product code 451128-DE04 Page: 2/11 Version 5 Date of issue 5 September 2019 Format United Language ENGLISH

Kingdom (UK)

(United Kingdom)

SECTION 4: First aid measures

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. Note: High Pressure Applications
	Injections through the skin resulting from contact with the product at high pressure constitute a
	major medical emergency. Injuries may not appear serious at first but within a few hours tissue becomes swollen, discoloured and extremely painful with extensive subcutaneous necrosis. Surgical exploration should be undertaken without delay. Thorough and extensive debridement of the wound and underlying tissue is necessary to minimise tissue loss and prevent or limit permanent damage. Note that high pressure may force the product considerable distances
	along tissue planes.

SECTION 5: Firefighting measures

5.1 Extinguishing media			
Suitable extinguishing mediaIn 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.		
5.2 Special hazards arising fro	om 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 products	on Combustion products may include the following: carbon oxides (CO, CO ₂) (carbon monoxide, carbon dioxide)		
5.3 Advice for firefighters			
Special precautions 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 apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing f fighters (including helmets, protective boots and gloves) conforming to European stand 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	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	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.
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SECTION 6: Accidental release measures

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6.4 Reference to other	See Section 1 for emergency contact information.
sections	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 ha	ndling
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.
7.3 Specific end use(s) Recommendations	See section 1.2 and Exposure scenarios in annex. if applicable.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters Occupational exposure limits

No exposure limit value known.

No exposure limit value known.

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.

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.

(UK)

(United Kingdom)

Derived No Effect Level

No DNELs/DMELs available.

Predicted No Effect Concentration

No PNECs available

8.2 Exposure controls				
Appropriate engineering controls	Provide exhaust ventilation or other engin concentrations below their respective occi All activities involving chemicals should be exposures are adequately controlled. Pers after other forms of control measures (e.g Personal protective equipment should cor kept in good condition and properly mainta Your supplier of personal protective equip appropriate standards. For further inform The final choice of protective equipment v ensure that all items of personal protective	upational exposure lin e assessed for their ris conal protective equip e engineering controls form to appropriate s ained. ment should be consu ation contact your nat vill depend upon a risk	nits. sks to health, to o pment should only bhave been suit standards, be suit ulted for advice o tional organisatio k assessment. It	ensure y be considered ably evaluated. able for use, be on selection and n for standards.
Individual protection measure	<u>95</u>			
Hygiene measures	Wash hands, forearms and face thorough smoking and using the lavatory and at the stations and safety showers are close to t	end of the working p	eriod. Ensure the	
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SECTION 8: Exposure controls/personal protection

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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:
	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.

SECTION 8: Exposure controls/personal protection

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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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<u>Appearance</u>	
Physical state	Liquid.
Colour	Y ellow.
Odour	Not available.
Odour threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Pour point	-30 °C
Flash point	Open cup: >190°C (>374°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: 32.41 mm²/s (32.41 cSt) at 40°C Kinematic: 5.4 mm²/s (5.4 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

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11.1 Information on toxicologica	al effects
Acute toxicity estimates	
Not available.	
Information on likely routes of exposure	Routes of entry anticipated: Dermal, Inhalation.
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 physi	cal, chemical and toxicological characteristics
Inhalation	No specific data.
Ingestion	No specific data.
Skin contact	Adverse symptoms may include the following: irritation dryness cracking
Eye contact	No specific data.
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.
Potential chronic health effects	<u>s</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

Environmental hazards Not classified as dangerous

12.2 Persistence and degradability

Expected to be biodegradable.

12.3 Bioaccumulative potential

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SECTION 12: Ecological information

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.

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	methods
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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. Yes.

Hazardous wasteYesEuropean waste catalogue (EWC)

Methods of disposal

Waste code	Waste designation
13 01 10*	mineral based non-chlorinated hydraulic oils

However, deviation from the intended use and/or the presence of any potential contaminants may require an alternative waste disposal code to be assigned by the end user.

Packaging

Where possible, arrange for product to be recycled. Dispose of via an authorised person/ licensed waste disposal contractor in accordance with local regulations.

Waste code	European waste catalogue (EWC)		
15 01 10* packaging containing residues of or contaminated by hazardous substances			
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 Directive 2008/98/EC		

SECTION 14: Transport information

	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	-	-	-	-

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SECTION 14: Transpo	ort information
14.6 Special precautions for user	Not available.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not available.
SECTION 15: Regulat	ory information
15.1 Safety, health and environ	nmental regulations/legislation specific for the substance or mixture
EU Regulation (EC) No. 1907	/2006 (REACH)
Annex XIV - List of substand	ces subject to authorisation
Annex XIV	
None of the components are	listed.
Substances of very high co	
None of the components ar	re listed.
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)	MI components are active or exempted.
Australia inventory (AICS)	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 (ENCS)	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.
Ozone depleting substance Not listed.	<u>s (1005/2009/EU)</u>
Prior Informed Consent (PIC	C) (649/2012/EU)
Not listed.	
Seveso Directive This product is not controlled u	nder the Seveso Directive.
15.2 Chemical safety assessment	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
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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				
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SECTION 16: Other information

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

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

Classification		Justification		
Not classified.				
•		May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.		
Full text of classifications [CLP/GHS]	Kquatic Chronic 2, H411 Asp. Tox. 1, H304 EUH066	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 ASPIRATION HAZARD - Category 1 Repeated exposure may cause skin dryness or cracking.		
<u>History</u>				
Date of issue/ Date of revision	05/09/2019.			
Date of previous issue	15/01/2019.			
Prepared by	Product Stewardship			

Indicates information that has changed from previously issued version.

Notice to reader

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

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

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

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