Revision Date: SDS Number: Print Date: 05/01/2018 Version 800001004983 1.9 04/30/2018 Date of last issue: 08/18/2016 **SECTION 1. IDENTIFICATION** Product name : Shell Spirax S4 CX 30 Product code : 001D8250 Manufacturer or supplier's details Manufacturer/Supplier : Shell Oil Products US PO Box 4427 Houston TX 77210-4427 USA SDS Request : (+1) 877-276-7285 Customer Service **Emergency telephone number** Spill Information : 877-504-9351 Health Information : 877-242-7400 Recommended use of the chemical and restrictions on use

**SECTION 2. HAZARDS IDENTIFICATION** 

Recommended use

### GHS classification in accordance with 29 CFR 1910.1200

Based on available data this substance / mixture does not meet the classification criteria.

: Transmission oil.

GHS label elements Hazard pictograms	: No Hazard Symbol required
Signal word	: No signal word
Hazard statements	<ul> <li>PHYSICAL HAZARDS: Not classified as a physical hazard under GHS criteria. HEALTH HAZARDS: Not classified as a health hazard under GHS criteria. ENVIRONMENTAL HAZARDS: Not classified as an environmental hazard under GHS criteria.</li> </ul>
Precautionary statements	<ul> <li>Prevention: No precautionary phrases.</li> <li>Response: No precautionary phrases.</li> <li>Storage: No precautionary phrases.</li> <li>Disposal:</li> </ul>

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No precautionary phrases.

#### Other hazards which do not result in classification

Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis.

Used oil may contain harmful impurities.

Not classified as flammable but will burn.

The classification of this material is based on OSHA HCS 2012 criteria.

Under normal conditions of use or in a foreseeable emergency, this product does not meet the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

: Highly refined mineral oils and additives. The highly refined mineral oil contains <3% (w/w) DMSOextract, according to IP346.

\* contains one or more of the following CAS-numbers: 64742-53-6, 64742-54-7, 64742-55-8, 64742-56-9, 64742-65-0, 68037-01-4, 72623-86-0, 72623-87-1, 8042-47-5, 848301-69-9.

Chemical name	Synonyms	CAS-No.	Concentration (% w/w)
Overbased sul- phurised calcium phenate	Phenol, do- decyl-, sulfu- rized, car- bonates, calci- um salts, over- based	68784-26-9	< 3
Zinc dialkyldithio- phosphate	Phosphorodi- thioic acid, O,O-di-C1-14- alkyl esters, zinc salts	68649-42-3	< 2.4
Interchangeable low viscosity base oil (<20,5 cSt @40°C) *		Not Assigned	0 - 90

#### Hazardous components

#### **SECTION 4. FIRST-AID MEASURES**

If inhaled	:	No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.
In case of skin contact	:	Remove contaminated clothing. Flush exposed area with wa- ter and follow by washing with soap if available. If persistent irritation occurs, obtain medical attention.
In case of eye contact	:	Flush eye with copious quantities of water. Remove contact lenses, if present and easy to do. Continue

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			rinsing. If persistent irritat	ion occurs, obtain medical attention.
lf sv	vallowed	:	0	tment is necessary unless large quantities owever, get medical advice.
and	st important symptoms effects, both acute and ayed	:	of black pustules	s signs and symptoms may include formation and spots on the skin of exposed areas. sult in nausea, vomiting and/or diarrhoea.
Pro	tection of first-aiders	:	: When administering first aid, ensure that you are wearing appropriate personal protective equipment according to the incident, injury and surroundings.	
me	cation of any immediate dical attention and special tment needed	:	Treat symptomati	cally.

### SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Foam, water spray or fog. Dry chemical powder, carbon diox- ide, sand or earth may be used for small fires only.
Unsuitable extinguishing media	:	Do not use water in a jet.
Specific hazards during fire- fighting	:	Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide may be evolved if incomplete combustion occurs. Unidentified organic and inorganic compounds.
Specific extinguishing meth- ods	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment.
Special protective equipment for firefighters	:	Proper protective equipment including chemical resistant gloves are to be worn; chemical resistant suit is indicated if large contact with spilled product is expected. Self-Contained Breathing Apparatus must be worn when approaching a fire in a confined space. Select fire fighter's clothing approved to relevant Standards (e.g. Europe: EN469).

# SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	Avoid contact with skin and eyes.
Environmental precautions	:	Use appropriate containment to avoid environmental contami- nation. Prevent from spreading or entering drains, ditches or

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			g sand, earth, or other appropriate barriers. ies should be advised if significant spillages
	ods and materials for inment and cleaning up	: Slippery wher Prevent from or other conta Reclaim liquic Soak up resid	a spilt. Avoid accidents, clean up immediately. spreading by making a barrier with sand, earth inment material. I directly or in an absorbent. ue with an absorbent such as clay, sand or oth rial and dispose of properly.
Additi	onal advice	see Chapter 8	on selection of personal protective equipment of this Safety Data Sheet. on disposal of spilled material see Chapter 13 ta Sheet.
ECTION	7. HANDLING AND ST	ORAGE	
Techr	nical measures	vapours, mista Use the inform sessment of lo	aust ventilation if there is risk of inhalation of s or aerosols. nation in this data sheet as input to a risk as- ocal circumstances to help determine appropri- or safe handling, storage and disposal of this
Advic	e on safe handling	Avoid inhaling When handlin worn and prop Properly dispo	ed or repeated contact with skin. vapour and/or mists. g product in drums, safety footwear should be per handling equipment should be used. ose of any contaminated rags or cleaning mate o prevent fires.
Avoid	lance of contact	: Strong oxidisi	ng agents.
Produ	uct Transfer	Proper ground	has the potential to be a static accumulator. Jing and bonding procedures should be used transfer operations.
	er information on stor- tability	place.	er tightly closed and in a cool, well-ventilated abeled and closable containers.
		Store at ambi	ent temperature.
Packa	aging material		rial: For containers or container linings, use mi lensity polyethylene. aterial: PVC.
Canto	ainer Advice		containers should not be exposed to high tem- ause of possible risk of distortion.

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#### SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Oil mist, mineral	Not Assigned	TWA (Mist)	5 mg/m3	OSHA Z-1
Oil mist, mineral		TWA (Inhal- able fraction)	5 mg/m3	ACGIH

#### **Biological occupational exposure limits**

No biological limit allocated.

#### **Monitoring Methods**

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. For some substances biological monitoring may also be appropriate.

Validated exposure measurement methods should be applied by a competent person and samples analysed by an accredited laboratory.

Examples of sources of recommended exposure measurement methods are given below or contact the supplier. Further national methods may be available.

National Institute of Occupational Safety and Health (NIOSH), USA: Manual of Analytical Methods http://www.cdc.gov/niosh/

Occupational Safety and Health Administration (OSHA), USA: Sampling and Analytical Methods http://www.osha.gov/

Health and Safety Executive (HSE), UK: Methods for the Determination of Hazardous Substances http://www.hse.gov.uk/

Institut für Arbeitsschutz Deutschen Gesetzlichen Unfallversicherung (IFA), Germany http://www.dguv.de/inhalt/index.jsp

L'Institut National de Recherche et de Securité, (INRS), France http://www.inrs.fr/accueil

Engineering measures :	The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include: Adequate ventilation to control airborne concentrations.
	Where material is heated, sprayed or mist formed, there is greater potential for airborne concentrations to be generated.
	General Information: Define procedures for safe handling and maintenance of controls. Educate and train workers in the hazards and control measures relevant to normal activities associated with this product. Ensure appropriate selection, testing and maintenance of equipment used to control exposure, e.g. personal protective

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		Drain down sys nance. Retain drain do subsequent rec Always observe washing hands drinking, and/or protective equi	e good personal hygiene measures, such as after handling the material and before eating, smoking. Routinely wash work clothing and oment to remove contaminants. Discard con- ing and footwear that cannot be cleaned.
Perso	onal protective equipr	nent	
Respi	ratory protection	conditions of us In accordance tions should be If engineering of tions to a level select respirato cific conditions Check with resp Where air-filterin priate combinat Select a filter so	protection is ordinarily required under normal se. with good industrial hygiene practices, precau- taken to avoid breathing of material. controls do not maintain airborne concentra- which is adequate to protect worker health, ry protection equipment suitable for the spe- of use and meeting relevant legislation. biratory protective equipment suppliers. ng respirators are suitable, select an appro- tion of mask and filter. uitable for the combination of organic gases Type A/Type P boiling point >65°C (149°F)].
Hand	protection		
	marks	gloves approve US: F739) mad suitable chemic gloves Suitabili usage, e.g. frec sistance of glov glove suppliers Personal hygie Gloves must or gloves, hands s cation of a non- For continuous through time of 480 minutes wh short-term/spla recognize that s may not be ava time maybe acc and replaceme a good predicto dependent on t Glove thickness	ntact with the product may occur the use of d to relevant standards (e.g. Europe: EN374, e from the following materials may provide cal protection. PVC, neoprene or nitrile rubber ty and durability of a glove is dependent on quency and duration of contact, chemical re- re material, dexterity. Always seek advice from . Contaminated gloves should be replaced. ne is a key element of effective hand care. Ny be worn on clean hands. After using should be washed and dried thoroughly. Appli- perfumed moisturizer is recommended. contact we recommend gloves with break- more than 240 minutes with preference for > nere suitable gloves can be identified. For sh protection we recommend the same, but suitable gloves offering this level of protection ilable and in this case a lower breakthrough ceptable so long as appropriate maintenance nt regimes are followed. Glove thickness is not or of glove resistance to a chemical as it is he exact composition of the glove material. s should be typically greater than 0.35 mm he glove make and model.

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	Eye pro	otection	:		lled such that it could be splashed into eyes, ar is recommended.	
	Skin and body protection		:	Skin protection is not ordinarily required beyond standard work clothes. It is good practice to wear chemical resistant gloves.		
	Protect	ive measures	:		ve equipment (PPE) should meet recom- standards. Check with PPE suppliers.	
	Therma	al hazards	:	Not applicable		
	Enviro	nmental exposure co	ntrc	ols		
	Genera	Il advice	:	vant environment of the environment necessary, preve charged to waste municipal or indus discharge to surfa Local guidelines of	measures to fulfill the requirements of rele- al protection legislation. Avoid contamination at by following advice given in Chapter 6. If nt undissolved material from being dis- water. Waste water should be treated in a strial waste water treatment plant before ace water. on emission limits for volatile substances d for the discharge of exhaust air containing	
SEC	TION 9	. PHYSICAL AND CH	EMI		S	
	Appear	ance	:	Liquid at room te	emperature.	
	Colour		:	amber		
	Odour		:	Slight hydrocarb	on	
	Odour <sup>-</sup>	Threshold	:	Data not availabl	le	
	рН		:	Not applicable		
	pour po	pint	:	-30 °C / -22 °F Method: ISO 301	6	
	Initial b range	oiling point and boiling	:	> 280 °C / 536 °I estimated value(		
	Flash p	ooint	:	205 °C / 401 °F		
				Method: ISO 259	02	

Flammability (solid, gas)	:	Data not available

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	flamma	bility limit			
		explosion limit / Lower bility limit	:	Typical 1 %(V)	
	Vapour	pressure	:	< 0.5 Pa (20 °C /	68 °F)
				estimated value(	s)
	Relative	e vapour density	:	> 1 estimated value(s	s)
	Relative	e density	:	0.899 (15 °C / 59	)°F)
	Density		:	899 kg/m3 (15.0 Method: ISO 121	
	Solubili Wat	ty(ies) er solubility	:	negligible	
	Solu	bility in other solvents	:	Data not availabl	е
	Partition octanol	n coefficient: n- /water	:	log Pow: > 6 (based on inform	ation on similar products)
	Auto-ig	nition temperature	:	> 320 °C / 608 °F	=
	Decom	position temperature	:	Data not availabl	e
	Viscosi <sup>-</sup> Visc	ty osity, dynamic	:	Data not availabl	e
	Visc	osity, kinematic	:	93.9 mm2/s (40.0	0 °C / 104.0 °F)
				Method: ISO 310	4
				10.9 mm2/s (100	°C / 212 °F)
				Method: ISO 310	4
	Explosi	ve properties	:	Not classified	
	Oxidizir	ng properties	:	Data not availabl	e
	Conduc	ctivity	:	This material is n	ot expected to be a static accumulator.
SEC	TION 1	0. STABILITY AND RE	EAC	ΓΙVITY	
	Reactiv	ity	:		s not pose any further reactivity hazards in listed in the following sub-paragraph.

Chemical stability

: Stable.

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Poss	sibility of hazardous read	<b>)- :</b>	Reacts with str	ong oxidising agents.
Con	ditions to avoid	:	Extremes of ter	nperature and direct sunlight.
Inco	mpatible materials	:	Strong oxidisin	g agents.
Haza prod	ardous decomposition ucts	:	No decomposit	ion if stored and applied as directed.

#### SECTION 11. TOXICOLOGICAL INFORMATION

Basis for assessment	: Information given is based on data on the components and the toxicology of similar products. Unless indicated otherwise,
	the data presented is representative of the product as a whole, rather than for individual component(s).

#### Information on likely routes of exposure

Skin and eye contact are the primary routes of exposure although exposure may occur following accidental ingestion.

#### Acute toxicity

Product:	
Acute oral toxicity	<ul> <li>LD50 (rat): &gt; 5,000 mg/kg</li> <li>Remarks: Low toxicity:</li> <li>Based on available data, the classification criteria are not met.</li> </ul>
Acute inhalation toxicity	Remarks: Based on available data, the classification criteria are not met.
Acute dermal toxicity	<ul> <li>LD50 (Rabbit): &gt; 5,000 mg/kg</li> <li>Remarks: Low toxicity:</li> <li>Based on available data, the classification criteria are not met.</li> </ul>

#### Skin corrosion/irritation

#### Product:

Remarks: Slightly irritating to skin., Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis., Based on available data, the classification criteria are not met.

#### Serious eye damage/eye irritation

#### Product:

Remarks: Slightly irritating to the eye., Based on available data, the classification criteria are not met.

#### Components:

#### Zinc dialkyldithiophosphate:

Remarks: Based on available data, the classification criteria are not met.

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#### Respiratory or skin sensitisation

#### Product:

Remarks: Not a skin sensitiser. Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

#### Product:

: Remarks: Non mutagenic, Based on available data, the classification criteria are not met.

#### Carcinogenicity

#### Product:

Remarks: Not a carcinogen., Based on available data, the classification criteria are not met.

Remarks: Product contains mineral oils of types shown to be non-carcinogenic in animal skinpainting studies., Highly refined mineral oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC).

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
Reproductive toxicity	

Product:

Remarks: Not a developmental toxicant., Does not impair fertility., Based on available data, the classification criteria are not met.

#### STOT - single exposure

#### Product:

Remarks: Based on available data, the classification criteria are not met.

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#### STOT - repeated exposure

#### Product:

Remarks: Based on available data, the classification criteria are not met.

#### Aspiration toxicity

#### Product:

Not an aspiration hazard.

#### **Further information**

#### Product:

Remarks: Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to health and the environment on disposal., ALL used oil should be handled with caution and skin contact avoided as far as possible.

Remarks: Slightly irritating to respiratory system.

#### SECTION 12. ECOLOGICAL INFORMATION

Basis for assessment		Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products. Unless indicated otherwise, the data presented is representa- tive of the product as a whole, rather than for individual com- ponent(s).(LL/EL/IL50 expressed as the nominal amount of product required to prepare aqueous test extract).
Ecotoxicity		
Product: Toxicity to fish (Acute toxici- ty)	:	Remarks: LL/EL/IL50 > 100 mg/l Practically non toxic: Based on available data, the classification criteria are not met.
Toxicity to daphnia and other aquatic invertebrates (Acute toxicity)	:	Remarks: LL/EL/IL50 > 100 mg/l Practically non toxic: Based on available data, the classification criteria are not met.
Toxicity to algae (Acute tox- icity)	:	Remarks: LL/EL/IL50 > 100 mg/l Practically non toxic: Based on available data, the classification criteria are not met.
Toxicity to fish (Chronic tox- icity)	:	Remarks: Data not available

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	ity to daphnia and other ic invertebrates (Chron- city)	:	Remarks: Data no	ot available	
Toxicity to microorganisms (Acute toxicity)		:	Remarks: Data not available		
Persis	stence and degradabil	ity			
<u>Produ</u>	uct:				
Biode	gradability	:	Major constituent	dily biodegradable. s are inherently biodegradable, but contains may persist in the environment.	
Bioac	cumulative potential				
<u>Produ</u>	<u>uct:</u>				
Bioac	cumulation	:	Remarks: Contair cumulate.	ns components with the potential to bioac-	
Mobil	ity in soil				
<u>Prodı</u> Mobili		:		under most environmental conditions. will adsorb to soil particles and will not be	
			Remarks: Floats	on water.	
Other	adverse effects				
Produ	uct:				
	onal ecological infor-	:	ozone creation po Product is a mixtu	one depletion potential, photochemical otential or global warming potential. ure of non-volatile components, which will not in any significant quantities under normal	
			Poorly soluble mi Causes physical	xture. Fouling of aquatic organisms.	
				ot cause chronic toxicity to aquatic organ- tions less than 1 mg/l.	

## SECTION 13. DISPOSAL CONSIDERATIONS

Disposal m	nethods
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Waste from residues

: Recover or recycle if possible.

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			toxicity and physi determine the pro ods in compliance	ility of the waste generator to determine the cal properties of the material generated to oper waste classification and disposal meth- e with applicable regulations. to the environment, in drains or in water
			ground water, or	ould not be allowed to contaminate soil or be disposed of into the environment. sed product is dangerous waste.
Conta	minated packaging	:	to a recognized c the collector or co Disposal should b	dance with prevailing regulations, preferably ollector or contractor. The competence of ontractor should be established beforehand. be in accordance with applicable regional, al laws and regulations.
<b>Local</b> Rema	<b>legislation</b> rks	:		be in accordance with applicable regional, Il laws and regulations.

#### **SECTION 14. TRANSPORT INFORMATION**

#### **National Regulations**

#### US Department of Transportation Classification (49 CFR Parts 171-180)

Not regulated as a dangerous good

#### International Regulations

#### IATA-DGR

Not regulated as a dangerous good

#### IMDG-Code

Not regulated as a dangerous good

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied. MARPOL Annex 1 rules apply for bulk shipments by sea.

#### Special precautions for user

Remarks

: Special Precautions: Refer to Chapter 7, Handling & Storage, for special precautions which a user needs to be aware of or needs to comply with in connection with transport.

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#### **SECTION 15. REGULATORY INFORMATION**

#### **EPCRA - Emergency Planning and Community Right-to-Know Act**

\*: This material does not contain any components with a CERCLA RQ., Shell classifies this material as an "oil" under the CERCLA Petroleum Exclusion, therefore releases to the environment are not reportable under CERCLA.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	:	No SARA Hazards		
SARA 313	:	The following components tablished by SARA Title II	, ,	rting levels es-
		Zinc dialkyldithiophos- phate	68649-42-3	>= 1 - < 5 %

#### **Clean Water Act**

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

#### **US State Regulations**

Pennsylvania Right To Know				
Distillates (petroleum), solvent-dewaxed heavy paraffinic Zinc dialkyldithiophosphate	64742-65-0 68649-42-3			
California Prop. 65				

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

#### California List of Hazardous Substances

Distillates (petroleum), solvent-dewaxed heavy paraffinic Zinc dialkyldithiophosphate			64742-65-0 68649-42-3
•	•	ct are reported in the following invent	
EINECS	:	All components listed or polymer exen	npt.
TSCA	:	All components listed.	
DSL	:	All components listed.	

#### **SECTION 16. OTHER INFORMATION**

#### Further information

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NFPA tivity)	A Rating (Health, Fire	, Reac- 0, 1, 0	
Full t	ext of other abbrevi	ations	
ACG			brochold Limit Values (TLV)

ACGIH OSHA Z-1	:	USA. ACGIH Threshold Limit Values (TLV) USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim- its for Air Contaminants
		8-hour, time-weighted average
	:	8-hour time weighted average
	•.	The standard abbreviations and acronyms used in this docu-
Abbreviations and Actonyms	•	ment can be looked up in reference literature (e.g. scientific dictionaries) and/or websites.
		ACGIH = American Conference of Governmental Industrial Hygienists
		ADR = European Agreement concerning the International
		Carriage of Dangerous Goods by Road
		AICS = Australian Inventory of Chemical Substances
		ASTM = American Society for Testing and Materials
		BEL = Biological exposure limits
		BTEX = Benzene, Toluene, Ethylbenzene, Xylenes
		CAS = Chemical Abstracts Service
		CEFIC = European Chemical Industry Council
		CLP = Classification Packaging and Labelling
		COC = Cleveland Open-Cup DIN = Deutsches Institut fur Normung
		DMEL = Derived Minimal Effect Level
		DNEL = Derived Minima Lifect Level
		DSL = Canada Domestic Substance List
		EC = European Commission
		EC50 = Effective Concentration fifty
		ECETOC = European Center on Ecotoxicology and Toxicolo-
		gy Of Chemicals
		ECHA = European Chemicals Agency
		EINECS = The European Inventory of Existing Commercial Chemical Substances
		EL50 = Effective Loading fifty
		ENCS = Japanese Existing and New Chemical Substances
		Inventory
		EWC = European Waste Code
		GHS = Globally Harmonised System of Classification and Labelling of Chemicals
		IARC = International Agency for Research on Cancer
		IATA = International Air Transport Association
		IC50 = Inhibitory Concentration fifty
		IL50 = Inhibitory Level fifty
		IMDG = International Maritime Dangerous Goods INV = Chinese Chemicals Inventory
		IP346 = Institute of Petroleum test method N° 346 for the
		determination of polycyclic aromatics DMSO-extractables
		KECI = Korea Existing Chemicals Inventory
		LC50 = Lethal Concentration fifty
		LD50 = Lethal Dose fifty per cent.
		OSHA Z-1 : ACGIH / TWA : OSHA Z-1 / TWA :

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		LL50 = Lethal Lo MARPOL = Inter Pollution From S NOEC/NOEL = N served Effect Let OE_HPV = Occu PBT = Persisten PICCS = Philippi Substances PNEC = Predicte REACH = Regist Chemicals RID = Regulation gerous Goods by SKIN_DES = Sk STEL = Short ter TRA = Targeted TSCA = US Toxi TWA = Time-We	national Convention for the Prevention of hips No Observed Effect Concentration / No Ob- vel upational Exposure - High Production Volume t, Bioaccumulative and Toxic ine Inventory of Chemicals and Chemical ed No Effect Concentration tration Evaluation And Authorisation Of hs Relating to International Carriage of Dan- / Rail in Designation rm exposure limit Risk Assessment c Substances Control Act

A vertical bar (|) in the left margin indicates an amendment from the previous version.

Sources of key data used to compile the Safety Data Sheet	:	The quoted data are from, but not limited to, one or more sources of information (e.g. toxicological data from Shell Health Services, material suppliers' data, CONCAWE, EU IUCLID date base, EC 1272 regulation, etc).
Revision Date	:	04/30/2018

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