Shell Spirax S2 ALS 90

ersion 4.4	Revision Date 14.10.2022	Print Date 15.10.2022
CTION 1. PRODUCT AND C	COMPANY IDENTIFICATION	
Product name	: Shell Spirax S2 ALS 90	
Product code	: 001D8278	
Manufacturer or supplier		
Supplier	: Viva Energy Australia Pty Ltd (Formerly: The Shell Company of (ABN 46 004 610 459) 720 Bourke Street Docklands Victoria 3008 Australia	⁻ Australia)
Telephone	: +61 (0)3 8823 4444	
Telefax	: +61 (0)3 8823 4800	
Emergency telephone number	: 1800 651 818 (Australia). ; POIS CENTRE: 13 11 26 (Australia).	ONS INFORMATION
Recommended use of the	e chemical and restrictions on use	
Recommended use	: Transmission oil.	

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification	
Long-term (chronic) aquatic hazard	: Category 3
GHS label elements	
Hazard pictograms	: No Hazard Symbol required
Signal word	: No signal word
Hazard statements	 PHYSICAL HAZARDS: Not classified as a physical hazard under GHS criteria. HEALTH HAZARDS: Not classified as a health hazard under GHS criteria. ENVIRONMENTAL HAZARDS: H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	: Prevention: P273 Avoid release to the environment.
	Response: No precautionary phrases.

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Storage:

No precautionary phrases.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

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.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	: Mixture	
Chemical nature	 Highly refined mineral oils and additives. The highly refined mineral oil contains <3% (w/w) DMSO- extract, according to IP346. Classification based on DMSO extract content < 3% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note L). 	
	 * 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, 68649-12-7, 151006-60-9, 163149-28-8, 64741-88-4, 	

Haz	zard	lous	component	ts	
•					

Chemical name	CAS-No.	Classification	Concentration (% w/w)
Interchangeable low viscosity base oil (<20,5 cSt @40°C) *	Not Assigned	Asp. Tox.1; H304	0 - 90
Alkyl polysulphide **	Not Assigned	Aquatic Chronic4; H413	0 - < 5
Alkenyl amine	112-90-3	Acute Tox.4; H302 Asp. Tox.1; H304 Skin Corr.1; H314 STOT SE3; H335 STOT RE2; H373 Aquatic Acute1; H400 Aquatic Chronic1; H410	0.5 - < 0.83
Alkyl amine	68955-53-3	Acute Tox.4; H302 Acute Tox.3; H311 Skin Corr.1B; H314 Skin Sens.1A; H317	0 - < 0.24

64741-89-5.

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	Acute Tox.2; H330	
	Aquatic Acute1;	
	H400	
	Aquatic Chronic1;	
	H410	
	STOT SE3; H335	

** polymer exempt.

For explanation of abbreviations see section 16.

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 water and follow by washing with soap if available. If persistent irritation occurs, obtain medical attention. : Flush eye with copious quantities of water. In case of eye contact Remove contact lenses, if present and easy to do. Continue rinsing. If persistent irritation occurs, obtain medical attention. If swallowed : In general no treatment is necessary unless large quantities are swallowed, however, get medical advice. Most important symptoms : Oil acne/folliculitis signs and symptoms may include formation and effects, both acute and of black pustules and spots on the skin of exposed areas. delayed Ingestion may result in nausea, vomiting and/or diarrhoea. Protection of first-aiders : When administering first aid, ensure that you are wearing the appropriate personal protective equipment according to the incident, injury and surroundings. Notes to physician Treat symptomatically. 5

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	: Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
Unsuitable extinguishing media	: Do not use water in a jet.
Specific hazards during firefighting	 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.

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Specific extinguishing methods	:	Use extinguishing measures that a circumstances and the surroundin	
Special protective equipment for firefighters	:	Proper protective equipment inclu- gloves are to be worn; chemical re large contact with spilled product i Breathing Apparatus must be worn a confined space. Select fire fighte relevant Standards (e.g. Europe:	esistant suit is indicated if is expected. Self-Contained in when approaching a fire in er's clothing approved to
Hazchem Code	:	NONE	
SECTION 6. ACCIDENTAL RELEA	AS	EMEASURES	
Personal precautions, protective equipment and emergency procedures	:	Avoid contact with skin and eyes.	
Environmental precautions	:	Local authorities should be advise cannot be contained.	d if significant spillages
Methods and materials for containment and cleaning up	:	Slippery when spilt. Avoid accident Prevent from spreading by making or other containment material. Reclaim liquid directly or in an abs Soak up residue with an absorbent suitable material and dispose of p	g a barrier with sand, earth sorbent. It such as clay, sand or other
Additional advice	:	For guidance on selection of perso see Section 8 of this Safety Data For guidance on disposal of spilled this Safety Data Sheet.	Sheet.

SECTION 7. HANDLING AND STORAGE

General Precautions	 Use local exhaust ventilation if there is risk of inhalation of vapours, mists or aerosols. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.
Advice on safe handling	 Avoid prolonged or repeated contact with skin. Avoid inhaling vapour and/or mists. When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Properly dispose of any contaminated rags or cleaning materials in order to prevent fires.
Avoidance of contact	: Strong oxidising agents.

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Product Transfer	: Proper grounding and bonding pro during all bulk transfer operations	
Storage		
Other data	: Keep container tightly closed and place. Use properly labeled and closable	
	Store at ambient temperature.	
Packaging material	: Suitable material: For containers of steel or high density polyethylene. Unsuitable material: PVC.	5,
Container Advice	: Polyethylene containers should no temperatures because of possible	

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Oil mist, mineral	Not Assigned	TWA (Mist)	5 mg/m3	AU OEL
Oil mist, mineral	Not Assigned	TWA (Mist)	5 mg/m3	Australia. Workplace Exposure Standards for Airborne Contaminant s.
Oil mist, mineral	Not Assigned	TWA (Mist)	5 mg/m3	OSHA Z-1
Oil mist, mineral	Not Assigned	TWA (Inhalable particulate matter)	5 mg/m3	ACGIH

Components with workplace control parameters

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.

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National Institute of Occupati http://www.cdc.gov/niosh/	ional Safety and Health (NIOSH), USA:	Manual of Analytical Metho
	alth Administration (OSHA), USA: Samp	ling and Analytical Methods
http://www.osha.gov/		0
	(HSE), UK: Methods for the Determinat	ion of Hazardous Substanc
http://www.hse.gov.uk/ Institut für Arbeitsschutz Deu	tschen Gesetzlichen Unfallversicherung	u (IFA) , Germany
http://www.dguv.de/inhalt/ind	lex.jsp	
L'Institut National de Rechero	che et de Securité, (INRS), France http:	//www.inrs.fr/accueil
Engineering measures	: The level of protection and types vary depending upon potential ex controls based on a risk assessm Appropriate measures include:	posure conditions. Select
	Adequate ventilation to control air	borne concentrations.
	Where material is heated, sprayed greater potential for airborne conc	
	General Information:	
	Define procedures for safe handlin controls.	ng and maintenance of
	Educate and train workers in the h	
	measures relevant to normal activ product.	vities associated with this
	Ensure appropriate selection, test equipment used to control exposu equipment, local exhaust ventilation	ire, e.g. personal protective
	Drain down system prior to equipr	
	maintenance. Retain drain downs in sealed stor subsequent recycle.	age pending disposal or
	Always observe good personal hy washing hands after handling the drinking, and/or smoking. Routine protective equipment to remove c contaminated clothing and footwe	material and before eating ely wash work clothing and ontaminants. Discard

Personal protective equipment

Protective measures

Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

Respiratory protection	 No respiratory protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation.

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	Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for the combination of organic gases and vapours and particles [Type A/Type P boiling point >65°C (149°F)].
Hand protection Remarks	: Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739) made from the following materials may provide suitable chemical protection. PVC, neoprene or nitrile rubber gloves Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.
	For continuous contact we recommend gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes where suitable gloves can be identified. For short-term/splash protection we recommend the same but recognize that suitable gloves offering this level of protection may not be available and in this case a lower breakthrough time maybe acceptable so long as appropriate maintenance and replacement regimes are followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Glove thickness should be typically greater than 0.35 mm depending on the glove make and model.
Eye protection	: If material is handled such that it could be splashed into eyes, protective eyewear 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.
Thermal hazards	: Not applicable
Environmental exposure of	controls
General advice	: Take appropriate measures to fulfill the requirements of relevant environmental protection legislation. Avoid contamination of the environment by following advice given in Section 6. If necessary, prevent undissolved material from being discharged to waste water. Waste water should be

being discharged to waste water. Waste water should be treated in a municipal or industrial waste water treatment plant before discharge to surface water. Local guidelines on emission limits for volatile substances

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	must be observed for the discharge of exhaust air containing vapour.
SECTION 9. PHYSICAL AND CHE	MICAL PROPERTIES
Appearance	: Liquid at room temperature.
Colour	: amber
Odour	: Slight hydrocarbon
Odour Threshold	: Data not available
рH	: Not applicable
pour point	: -18 °C / -0.40 °F Method: ISO 3016
Melting / freezing point	Data not available
Initial boiling point and boiling range	: > 280 °C / 536 °Festimated value(s)
Flash point	: 210 °C / 410 °F Method: ISO 2592
Evaporation rate	: Data not available
Flammability (solid, gas)	: Not applicable
Flammability (liquids)	: Not classified as flammable but will burn.
Upper explosion limit	: Typical 10 %(V)
Lower explosion limit	: Typical 1 %(V)
Vapour pressure	: < 0.5 Pa (20 °C / 68 °F) estimated value(s)
Relative vapour density	: > 1estimated value(s)
Relative density	: 0.909 (15 °C / 59 °F)
Density	: 909 kg/m3 (15.0 °C / 59.0 °F) Method: ISO 12185
Solubility(ies)	
Water solubility	: negligible
Solubility in other solvents	: Data not available
Partition coefficient: n- octanol/water	: log Pow: > 6 (based on information on similar products)
Auto-ignition temperature	: > 320 °C / 608 °F

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Decomposition temperature	: Data not available	
Viscosity		
Viscosity, dynamic	: Data not available	
Viscosity, kinematic	: 155 mm2/s (40.0 °C / 104.0 °F) Method: ISO 3104	
	15 mm2/s (100 °C / 212 °F) Method: ISO 3104	
Explosive properties	: Classification Code: Not classified	
Oxidizing properties	: Data not available	
Conductivity Particle size	: This material is not expected to be a s : Data not available	static accumulator.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: The product does not pose any further reactivity hazards in addition to those listed in the following sub-paragraph.
Chemical stability	: Stable.
Possibility of hazardous reactions	: Reacts with strong oxidising agents.
Conditions to avoid	: Extremes of temperature and direct sunlight.
Incompatible materials	: Strong oxidising agents.
Hazardous decomposition products	: No decomposition 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).
Exposure routes	: Skin and eye contact are the primary routes of exposure although exposure may occur following accidental ingestion.

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Acute toxicity		
Product:		
Acute oral toxicity	: LD50 rat: > 5,000 mg/kg Remarks: Low toxicity: Based on available data, the class	ification criteria are not met.
Acute inhalation toxicity	: Remarks: Based on available data are not met.	, the classification criteria
Acute dermal toxicity	: LD50 Rabbit: > 5,000 mg/kg Remarks: Low toxicity: Based on available data, the class	ification criteria are not met.

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.

Respiratory or skin sensitisation

Product:

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

Components:

Alkyl amine:

Remarks: Experimental data has shown that the concentration of potentially sensitising components present in this product does not induce skin sensitisation. May cause an allergic skin reaction in sensitive individuals.

Chronic toxicity

Germ cell mutagenicity

Product:

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

Carcinogenicity

Product:

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Version 4.4Revision Date 14.10.2022Print Date 15.10.2022Remarks: 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).

Material	GHS/CLP Carcinogenicity Classification	
Highly refined mineral oil	No carcinogenicity classification.	

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.

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

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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 representative of the product as a whole, rather than for individual component(s). Test data for additive packages has also been used in the classification of this product.
Ecotoxicity	
Product:	
Toxicity to fish (Acute toxicity)	: Remarks: LL/EL/IL50 10-100 mg/l Harmful
Toxicity to crustacean (Acute toxicity)	: Remarks: LL/EL/IL50 10-100 mg/l Harmful
Toxicity to algae/aquatic plants (Acute toxicity)	: Remarks: LL/EL/IL50 10-100 mg/l Harmful
Toxicity to fish (Chronic	: Remarks: NOEC/NOEL > 10 - <=100 mg/l
toxicity) Toxicity to crustacean (Chronic toxicity)	: Remarks: NOEC/NOEL > 10 - <=100 mg/l
Toxicity to microorganisms (Acute toxicity)	: Remarks: NOEC/NOEL > 10 - <=100 mg/l
<u>Components:</u> Alkenyl amine :	
M-Factor (Short-term (acute) aquatic hazard)	: 10
M-Factor (Long-term (chronic) aquatic hazard) Alkyl amine :	: 10
M-Factor (Short-term (acute) aquatic hazard)	: 1
Persistence and degradability	
Product:	
Biodegradability	: Remarks: Not readily biodegradable., Major constituents are inherently biodegradable, but contains components that may persist in the environment.
Bioaccumulative potential	
Product:	
Bioaccumulation	: Remarks: Contains components with the potential to bioaccumulate.

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Partition coefficient: n- octanol/water	: log Pow: > 6Remarks: (based on information on similar products)	
Mobility in soil		
Product:		
Mobility	: Remarks: Liquid under most environme Adsorbs to soil and has low mobility Remarks: Floats on water.	ental conditions.,
Other adverse effects		
no data available <u>Product:</u>		
Additional ecological information	 Does not have ozone depletion potenti ozone creation potential or global warn is a mixture of non-volatile components released to air in any significant quanti conditions of use. Poorly soluble mixture., Causes physic organisms. Mineral oil does not cause chronic toxic organisms at concentrations less than 	ning potential., Product s, which will not be ties under normal cal fouling of aquatic city to aquatic

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	 Recover or recycle if possible. It is the responsibility of the waste generator to determine toxicity and physical properties of the material generated t determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses 	
		Waste product should not be allowed to contaminate soil or ground water, or be disposed of into the environment. Waste, spills or used product is dangerous waste. Waste arising from a spillage or tank cleaning should be disposed of in accordance with prevailing regulations, preferably to a recognised collector or contractor. The competence of the collector or contractor should be established beforehand. Do not dispose of tank water bottoms by allowing them to drain into the ground. This will result in soil and groundwater contamination.
		MARPOL - see International Convention for the Prevention of Pollution from Ships (MARPOL 73/78) which provides technical aspects at controlling pollutions from ships.
Contaminated packaging	:	Dispose in accordance with prevailing regulations, preferably to a recognized collector or contractor. The competence of

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	the collector or contractor should be Disposal should be in accordance national, and local laws and regula	with applicable regional,
Local legislation Remarks	: Disposal should be in accordance national, and local laws and regula	

SECTION 14. TRANSPORT INFORMATION

National Regulations

ADG Not regulated as a dangerous good

International Regulations

IATA-DGR Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Maritime transport in bulk according to IMO instruments

MARPOL Annex 1 rules apply for bulk shipments by sea.

Special precautions for user

Remarks

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

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

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Standard for the Uniform : No poison schedule number allocated
Scheduling of Medicines and
Poisons
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The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

Product classified as per Work Health Safety Regulations – Implementation of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) 2012 and SDS prepared as per national model code of practice for preparation of safety data sheet for Hazardous chemicals 2020 based on Globally Harmonized Classification version 7.

National Model Code of Practice for the Labelling of Workplace Hazardous Chemicals (2011).

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Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG code). Standard				
for the Uniform Scheduling of Medicines and Poisons (SUSMP).				

Other international regulations

The components of this product are reported in the following inventories:

: Not established.
: All components listed.
: Listed introduction

SECTION 16. OTHER INFORMATION

Full text of H-Statements

H302	Harmful if swallowed.	
H304	May be fatal if swallowed and enters airways.	
H311	Toxic in contact with skin.	
H314	Causes severe skin burns and eye damage.	
H317	May cause an allergic skin reaction.	
H330	Fatal if inhaled.	
H335	May cause respiratory irritation.	
H373	May cause damage to organs through prolonged or repeated exposure.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H413	May cause long lasting harmful effects to aquatic life.	
Full text of other abbreviations		
Acute Tox.	Acute toxicity	
Aquatic Acute	Short-term (acute) aquatic hazard	
Aquatic Chronic	Long-term (chronic) aquatic hazard	
Asp. Tox.	Aspiration hazard	
Skin Corr.	Skin corrosion	
Skin Sens.	Skin sensitisation	

Specific target organ toxicity - repeated exposure

Specific target organ toxicity - single exposure

Abbreviations and Acronyms

STOT RE

STOT SE

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 -Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from

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	erwise Specified; Nch - Chilean Norm;	
	IO(A)EL - No Observed (Adverse) Effe	
	OM - Official Mexican Norm; NTP - Nat	
	y of Chemicals; OECD - Organizatio	
	- Office of Chemical Safety and Pollu	
Bioaccumulative and Te	oxic substance; PICCS - Philippines Inv	ventory of Chemicals and Chemical
	(Quantitative) Structure Activity Relati	
	European Parliament and of the Co	
	on and Restriction of Chemicals; SADT	
	afety Data Sheet; TCSI - Taiwan Che	
	erous Goods; TECI - Thailand Existing	
	ct (United States); UN - United Nat	
	the Transport of Dangerous Goods;	
Bioaccumulative; WHM	IS - Workplace Hazardous Materials Inf	formation System
Date of preparation or r	eview : 14.10.2022	

Further information

Training advice	: Provide adequate information, instruction and training for operators.
Other information	: 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).

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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