According to OSHA Hazard Communication Standard, 29 CFR 1910.1200 Shell Omala S1 W 680

	ion	Revision Date: 04/26/2018		9S Number: 0001005751				
SEC	SECTION 1. IDENTIFICATION							
	Product name		:	Shell Omala S1 V	V 680			
	Product code		: 001D7833					
	Manufacturer or supplier			ils				
	Manufacturer/Supplier SDS Request Customer Service		:	Shell Oil Produc PO Box 4427 Houston TX 772 USA				
			:	: (+1) 877-276-7285				
	Spill Inf	ency telephone numl ormation Information	:	877-504-9351 877-242-7400				
		mended use of the c mended use		nical and restrictio Gear oil	ons on use			

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

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

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: Not classified as an environmental hazard under GHS criteria.
Precautionary statements	Prevention: No precautionary phrases. Response:
	No precautionary phrases.
	Storage: No precautionary phrases.
	Disposal:

VersionRevision Date:SDS Number:Print Date: 04/27/20182.204/26/2018800001005751Date of last issue: 04/25/2018

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) DMSO-
	extract, according to IP346.

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 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 and effects, both acute and delayed	:	Oil acne/folliculitis signs and symptoms may include formation of black pustules and spots on the skin of exposed areas. 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.		
Indication of any immediate medical attention and special treatment needed	:	Treat symptomatically.		

Version	Revision Date:	SDS Number:	Print Date: 04/27/2018
2.2	04/26/2018	800001005751	Date of last issue: 04/25/2018

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 rivers by using sand, earth, or other appropriate barriers.
		Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	:	Slippery when spilt. Avoid accidents, clean up immediately. Prevent from spreading by making a barrier with sand, earth or other containment material. Reclaim liquid directly or in an absorbent. Soak up residue with an absorbent such as clay, sand or other suitable material and dispose of properly.
Additional advice	:	For guidance on selection of personal protective equipment see Chapter 8 of this Safety Data Sheet. For guidance on disposal of spilled material see Chapter 13 of this Safety Data Sheet.

Version	Revision Date:	SDS Number:	Print Date: 04/27/2018
2.2	04/26/2018	800001005751	Date of last issue: 04/25/2018

SECTION 7. HANDLING AND STORAGE

Technical measures	:	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 as- sessment of local circumstances to help determine appropri- ate 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 mate- rials in order to prevent fires.
Avoidance of contact	:	Strong oxidising agents.
Product Transfer	:	This material has the potential to be a static accumulator. Proper grounding and bonding procedures should be used during all bulk transfer operations.
Further information on stor- age stability	:	Keep container tightly closed and in a cool, well-ventilated place. Use properly labeled and closable containers.
		Store at ambient temperature.
Packaging material	:	Suitable material: For containers or container linings, use mild steel or high density polyethylene. Unsuitable material: PVC.
Container Advice	:	Polyethylene containers should not be exposed to high tem- peratures because of possible risk of distortion.

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-	5 mg/m3	ACGIH
		able fraction)	-	

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 con-

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200 Shell Omala S1 W 680

Version	Revision Date:	SDS Number:	Print Date: 04/27/2018
2.2	04/26/2018	800001005751	Date of last issue: 04/25/2018

trols. 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 equipment, local exhaust ventilation.

Drain down system prior to equipment break-in or maintenance.

Retain drain downs in sealed storage pending disposal or subsequent recycle.

Always observe good personal hygiene measures, such as washing hands after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

Personal protective equipment

Respiratory protection: No respiratory protection is ordinarily required under normal
conditions of use.
In accordance with good industrial hygiene practices, precau-
tions should be taken to avoid breathing of material.
If engineering controls do not maintain airborne concentra-
tions to a level which is adequate to protect worker health,

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Shell Omala S1 W 680

Version 2.2	Revision Date: 04/26/2018	SDS Number: 800001005751	Print Date: 04/27/2018 Date of last issue: 04/25/2018
		cific conditions of Check with respin Where air-filtering priate combination Select a filter suit	r protection equipment suitable for the spe- f use and meeting relevant legislation. ratory protective equipment suppliers. g respirators are suitable, select an appro- on of mask and filter. table for the combination of organic gases pe A/Type P boiling point >65°C (149°F)].
Ha	nd protection Remarks	gloves approved US: F739) made suitable chemica gloves Suitability usage, e.g. frequ sistance of glove glove suppliers. (Personal hygiene Gloves must only gloves, hands sh cation of a non-p For continuous c through time of n 480 minutes whe short-term/splash recognize that su may not be availa time maybe acce and replacement a good predictor dependent on the Glove thickness	tact with the product may occur the use of to relevant standards (e.g. Europe: EN374, from the following materials may provide I protection. PVC, neoprene or nitrile rubber and durability of a glove is dependent on ency and duration of contact, chemical re- material, dexterity. Always seek advice from Contaminated gloves should be replaced. e is a key element of effective hand care. // be worn on clean hands. After using ould be washed and dried thoroughly. Appli- erfumed moisturizer is recommended. ontact we recommend gloves with break- nore than 240 minutes with preference for > re suitable gloves can be identified. For n protection we recommend the same, but itable gloves offering this level of protection able and in this case a lower breakthrough ptable so long as appropriate maintenance regimes are followed. Glove thickness is not of glove resistance to a chemical as it is e exact composition of the glove material. should be typically greater than 0.35 mm e glove make and model.
Ey	e protection		dled such that it could be splashed into eyes, ar is recommended.
Sk	in and body protection	work clothes.	not ordinarily required beyond standard e to wear chemical resistant gloves.
Pro	ptective measures		ve equipment (PPE) should meet recom- standards. Check with PPE suppliers.
Th	ermal hazards	: Not applicable	
En	vironmental exposure co	ntrols	
Ge	neral advice	vant environmen of the environme necessary, preve	measures to fulfill the requirements of rele- tal protection legislation. Avoid contamination nt by following advice given in Chapter 6. If ent undissolved material from being dis- e water. Waste water should be treated in a

2.2

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200 Shell Omala S1 W 680

SDS Number: Print Date: 04/27/2018 Version Revision Date: 04/26/2018 800001005751 Date of last issue: 04/25/2018 municipal or industrial waste water treatment plant before discharge to surface water. Local guidelines on emission limits for volatile substances must be observed for the discharge of exhaust air containing vapour. **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES** Appearance ÷ Liquid at room temperature. Colour amber ÷ Odour Slight hydrocarbon 2 Odour Threshold Data not available 2 pН Not applicable 1 -6 °C / 21 °F pour point : Method: ISO 3016

Initial boiling point and boiling range	:	> 280 °C / 536 °F estimated value(s)
Flash point	:	322 °C / 612 °F
		Method: ISO 2592
Evaporation rate	:	Data not available
Flammability (solid, gas)	:	Data not available
Upper explosion limit / upper flammability limit	:	Typical 10 %(V)
Lower explosion limit / Lower flammability limit	:	Typical 1 %(V)
Vapour pressure	:	< 0.5 Pa (20 °C / 68 °F)
		estimated value(s)
Relative vapour density	:	> 1 estimated value(s)
Relative density	:	0.891 (15 °C / 59 °F)

Density 891 kg/m3 (15.0 °C / 59.0 °F) ÷ Method: ISO 12185 Solubility(ies) Water solubility

negligible

2

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200 Shell Omala S1 W 680

Version 2.2	Revision Date: 04/26/2018		S Number: 0001005751	Print Date: 04/27/2018 Date of last issue: 04/25/2018
octan	ion coefficient: n- ol/water ignition temperature	:		nation on similar products) F
Deco	mposition temperature	:	Data not availab	le
Visco Vis	sity scosity, dynamic	:	Data not availab	le
Vis	scosity, kinematic	:	680 mm2/s (40.0) °C / 104.0 °F)
			Method: ISO 310	04
			35.2 mm2/s (100) °C / 212 °F)
			Method: ISO 310)4
Explo	sive properties	:	Not classified	
Oxidiz	zing properties	:	Data not availab	le
Cond	uctivity	:	This material is r	not expected to be a 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 reac- tions	:	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).
		whole, rather than for individual component(s).

Information on likely routes of exposure

SAFETY DATA SHEET According to OSHA Hazard Communication Standard, 29 CFR

1910.1200 Shell Omala S1 W 680

Version	Revision Date:	SDS Number:	Print Date: 04/27/2018
2.2	04/26/2018	800001005751	Date of last issue: 04/25/2018

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

Acute toxicity

Product:

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

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).

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Shell Omala S1 W 680

Version 2.2	Revision Date: 04/26/2018	SDS Number: 800001005751	Print Date: 04/27/2018 Date of last issue: 04/25/2018
IARC		•	is product present at levels greater than or ntified as probable, possible or confirmed by IARC.
OSHA	A	•	is product present at levels greater than or OSHA's list of regulated carcinogens.
NTP		•	is product present at levels greater than or ntified as a known or anticipated carcinogen
Repro	ductive toxicity		
<u>Produ</u>	<u>ct:</u>		
		Remarks: Not a c	developmental toxicant., Does not impair

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

Basis for assessment

: Ecotoxicological data have not been determined specifically for this product.

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Shell Omala S1 W 680

rsion	Revision Date: 04/26/2018	SDS Number: 800001005751	Print Date: 04/27/2018 Date of last issue: 04/25/2018
		and the ecoto: Unless indicat tive of the pro- ponent(s).(LL/	ven is based on a knowledge of the componer xicology of similar products. ed otherwise, the data presented is representa duct as a whole, rather than for individual com EL/IL50 expressed as the nominal amount of ed to prepare aqueous test extract).
Ecoto	xicity		
Produ	ct:		
	y to fish (Acute toxici-	Practically nor	EL/IL50 > 100 mg/I n toxic: ilable data, the classification criteria are not m
	y to daphnia and other c invertebrates (Acute /)	Practically nor	EL/IL50 > 100 mg/l n toxic: ilable data, the classification criteria are not m
Toxicit icity)	y to algae (Acute tox-	Practically nor	EL/IL50 > 100 mg/l n toxic: ilable data, the classification criteria are not m
Toxicit icity)	y to fish (Chronic tox-	: Remarks: Dat	a not available
	y to daphnia and other c invertebrates (Chron- city)	: Remarks: Dat	a not available
	y to microorganisms toxicity)	: Remarks: Dat	a not available
Persis	tence and degradabili	ty	
Produ	<u>ct:</u>		
Biodeg	gradability	Major constitu	readily biodegradable. ents are inherently biodegradable, but contair nat may persist in the environment.
Bioaco	cumulative potential		
<u>Produ</u> Bioacc	<u>ct:</u> cumulation	: Remarks: Cor cumulate.	ntains components with the potential to bioac-
Mobili	ty in soil		
	ct:		

SAFETY DATA SHEET According to OSHA Hazard Communication Standard, 29 CFR

1910.1200 Shell Omala S1 W 680

SDS Number: Print Date: 04/27/2018 Version Revision Date: 800001005751 2.2 04/26/2018 Date of last issue: 04/25/2018 Mobility Remarks: Liquid under most environmental conditions. : If it enters soil, it will adsorb to soil particles and will not be mobile. Remarks: Floats on water. Other adverse effects Product: Additional ecological infor-Does not have ozone depletion potential, photochemical : mation ozone creation potential or global warming potential. Product is a mixture of non-volatile components, which will not be released to air in any significant quantities under normal conditions of use.

Poorly soluble mixture. Causes physical fouling of aquatic organisms.

Mineral oil does not cause chronic toxicity to aquatic organisms at concentrations less than 1 mg/l.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	cover or recycle if possible. s the responsibility of the waste genera- ticity and physical properties of the ma termine the proper waste classification s in compliance with applicable regula o not dispose into the environment, in courses	terial generated to and disposal meth- tions.
	aste product should not be allowed to bund water, or be disposed of into the aste, spills or used product is dangero	environment.
Contaminated packaging	spose in accordance with prevailing re a recognized collector or contractor. T e collector or contractor should be esta sposal should be in accordance with a tional, and local laws and regulations.	he competence of blished beforehand.
Local legislation Remarks	sposal should be in accordance with a tional, and local laws and regulations.	oplicable regional,

SECTION 14. TRANSPORT INFORMATION

National Regulations

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200 Shell Omala S1 W 680

Version	Revision Date:	SDS Number:	Print Date: 04/27/2018
2.2	04/26/2018	800001005751	Date of last issue: 04/25/2018

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.

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	:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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), hydrotreated light naphthenic 64742-53-6

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.

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200 Shell Omala S1 W 680

VersionRevision Date:SDS Number:Print Date: 04/27/20182.204/26/2018800001005751Date of last issue: 04/25/2018

California List of Hazardous Substances						
Distillates (petrole	64742-53-6					
The components of this product are reported in the following inventories:						
EINECS	:	All components listed or polymer ex	xempt.			
TSCA	:	All components listed.				
DSL	:	All components listed.				

SECTION 16. OTHER INFORMATION

Further information

NFPA Rating (Health, Fire, Reac- 0, 1, 0 tivity)

Full text of other abbreviations

ACGIH OSHA Z-1 ACGIH / TWA OSHA Z-1 / TWA Abbreviations and Acronyms	:	USA. ACGIH Threshold Limit Values (TLV) USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants 8-hour, time-weighted average 8-hour time weighted average The standard abbreviations and acronyms used in this docu- 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 No Effect 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	

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Shell Omala S1 W 680

Versi 2.2	ion	Revision Date: 04/26/2018		S Number: 0001005751	Print Date: 04/27/2018 Date of last issue: 04/25/2018
				Inventory EWC = European GHS = Globally H Labelling of Chem IARC = Internation IATA = Internation IC50 = Inhibitory C IL50 = Inhibitory L IMDG = Internatio INV = Chinese Ch IP346 = Institute determination of p KECI = Korea Exi LC50 = Lethal Co LD50 = Lethal Co LD50 = Lethal Do LL/EL/IL = Lethal LL50 = Lethal Loa MARPOL = Intern Pollution From Sh NOEC/NOEL = N served Effect Leve OE_HPV = Occup PBT = Persistent, PICCS = Philippin Substances PNEC = Predicted REACH = Regulations gerous Goods by SKIN_DES = Skin STEL = Short tern TRA = Targeted F TSCA = US Toxic TWA = Time-Weig	armonised System of Classification and hicals nal Agency for Research on Cancer nal Air Transport Association Concentration fifty evel fifty anal Maritime Dangerous Goods hemicals Inventory of Petroleum test method N° 346 for the bolycyclic aromatics DMSO-extractables sting Chemicals Inventory ncentration fifty se fifty per cent. Loading/Effective Loading/Inhibitory loading ading fifty vational Convention for the Prevention of hips o Observed Effect Concentration / No Ob- el bational Exposure - High Production Volume Bioaccumulative and Toxic he Inventory of Chemicals and Chemical d No Effect Concentration ation Evaluation And Authorisation Of s Relating to International Carriage of Dan- Rail h Designation n exposure limit Risk Assessment Substances Control Act
	A vertio	cal bar () in the left ma	rgin	indicates an amen	dment from the previous version.
		es of key data used to the Safety Data	:	sources of information Health Services, r	are from, but not limited to, one or more ation (e.g. toxicological data from Shell naterial suppliers' data, CONCAWE, EU e, EC 1272 regulation, etc).

Revision Date : 04/26/2018

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

Version	Revision Date:	SDS Number:	Print Date: 04/27/2018
2.2	04/26/2018	800001005751	Date of last issue: 04/25/2018

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.

US / EN