According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Version 2.3 Revision Date: 11/14/2017 Print Date: 11/15/2017 **SECTION 1. IDENTIFICATION** Product name : Pennzoil Platinum SAE 10W-30 Full Synthetic Motor Oil Product code : 001D7524 Manufacturer or supplier's details : Shell Oil Products US Manufacturer/Supplier 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 Recommended use : Engine oil.

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

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

GHS	label	elements
UIIU	Ianci	ciciliciilo

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: 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.

SAFETY DATA SHEET According to OSHA Hazard Communication Stand

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Version 2.3

Revision Date: 11/14/2017

Print Date: 11/15/2017

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	 Synthetic base oil and additives. Highly refined mineral oil. The highly refined mineral oil contains <3% (w/w) DMSO- extract, 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.

Hazardous components

Chemical name	Synonyms	CAS-No.	Concentration (%)
Alkaryl amine	bis(nonylphenyl)ami	36878-20-3	1 - 3
	ne		
Interchangeable low vis- cosity base oil (<20,5 cSt @40°C) *		Not Assigned	0 - 90

SECTION 4. FIRST-AID MEASURES

General advice	: Not expected to be a health hazard when used under norma conditions.	I
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 formatic of black pustules and spots on the skin of exposed areas. Ingestion may result in nausea, vomiting and/or diarrhoea.	'n

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Version 2.3	Revision Date: 11/14/2017	Print Date: 11/15/2017
Protection of first-aiders	: When administering first aid, ensu appropriate personal protective e incident, injury and surroundings.	quipment according to the
Immediate medical attention, special treatment	: Treat symptomatically.	

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.

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Version 2.3 Revision Date: 11/14/2017 Print Date: 11/15/2017 : For guidance on selection of personal protective equipment Additional advice see Chapter 8 of this Safety Data Sheet. For guidance on disposal of spilled material see Chapter 13 of this Safety Data Sheet. **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 assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material. : Avoid prolonged or repeated contact with skin. Precautions for safe handling 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. 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. Storage Other data : 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 temperatures 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 ((inhal- able frac-	5 mg/m3	US. ACGIH Threshold

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Version 2.3

Revision Date: 11/14/2017

Print Date: 11/15/2017

tion))		Limit Values
(Mist)	5 mg/m3	OSHA_TRA NS
TWA (Mist)	5 mg/m3	OSHA Z-1
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 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 con-

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

	Revision Date: 11/14/2017	Print Date: 11/15/20
	taminated clothing and footwea Practice good housekeeping.	ar that cannot be cleaned.
Personal protective equipr	nent	
Respiratory protection	 No respiratory protection is ord conditions of use. In accordance with good indus tions should be taken to avoid If engineering controls do not r tions to a level which is adequa select respiratory protection ed cific conditions of use and mee Check with respiratory protecti Where air-filtering respirators a priate combination of mask and Select a filter suitable for the c and vapours [Type A/Type P b 	trial hygiene practices, precat breathing of material. naintain airborne concentra- ate to protect worker health, quipment suitable for the spe- eting relevant legislation. ve equipment suppliers. are suitable, select an appro- d filter. ombination of organic gases
Hand protection Remarks	: Where hand contact with the p gloves approved to relevant sta US: F739) made from the follo suitable chemical protection. P gloves Suitability and durability usage, e.g. frequency and dura sistance of glove material, dex glove suppliers. Contaminated Personal hygiene is a key elen Gloves must only be worn on o gloves, hands should be wash cation of a non-perfumed mois For continuous contact we rece through time of more than 240 480 minutes where suitable gloves may not be available and in thi time maybe acceptable so long and replacement regimes are f a good predictor of glove resis dependent on the exact compo Glove thickness should be typi	andards (e.g. Europe: EN374 wing materials may provide VC, neoprene or nitrile rubbe of a glove is dependent on ation of contact, chemical re- terity. Always seek advice fro gloves should be replaced. nent of effective hand care. clean hands. After using ed and dried thoroughly. Appl turizer is recommended. ommend gloves with break- minutes with preference for > oves can be identified. For e recommend the same, but offering this level of protection s case a lower breakthrough g as appropriate maintenance followed. Glove thickness is n tance to a chemical as it is osition of the glove material.
Eye protection	 depending on the glove make If material is handled such that protective eyewear is recommended 	and model. : it could be splashed into eye
Skin and body protection	 Skin protection is not ordinarily work clothes. It is good practice to wear cher 	required beyond standard

800001003695

US

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

	Version 2.3	Revision Date: 11/14/2017	Print Date: 11/15/2017
--	-------------	---------------------------	------------------------

mended national standards. Check with PPE suppliers.

Environmental exposure 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 Chapter 6. If necessary, prevent undissolved material from 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 must be observed for the discharge of exhaust air containing vapour.
----------------	---

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Liquid at room temperature.
Colour	:	clear
Odour	:	Slight hydrocarbon
Odour Threshold	:	Data not available
рН	:	Not applicable
pour point	:	-36 °C / -33 °FMethod: ASTM D97
Initial boiling point and boiling range	:	> 280 °C / 536 °Festimated value(s)
Flash point	:	210 °C / 410 °F Method: ASTM D93 (PMCC)
Evaporation rate	:	Data not available
Flammability (solid, gas)	:	Data not available
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	:	0.841 (15 °C / 59 °F)
Density	:	841 kg/m3 (15.0 °C / 59.0 °F) Method: ASTM D4052

Solubility(ies)

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Version 2.3 Revision Date: 11/14/2017 Print Date: 11/15/2017 Water solubility : negligible Solubility in other solvents : Data not available Partition coefficient: n-: Pow: > 6(based on information on similar products) octanol/water Auto-ignition temperature 2 > 320 °C / 608 °F Viscosity Viscosity, dynamic : Data not available Viscosity, kinematic : 60.5 mm2/s (40.0 °C / 104.0 °F) Method: ASTM D445 10.1 mm2/s (100 °C / 212 °F) Method: ASTM D445 Explosive properties : Not classified Oxidizing properties : Data not available Conductivity : This material is not expected to be a static accumulator. : Data not available Decomposition temperature

SECTION 10. STABILITY AND REACTIVITY

Reactivity	The product does not pose any further reactivity hazar 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	 Hazardous decomposition products are not expected t during normal storage. 	o form

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).

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

1910.1200

Version 2.3

Revision Date: 11/14/2017

Print Date: 11/15/2017

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	: LD50 (rat): > 5,000 mg/kg Remarks: Expected to be of low toxicity:
Acute inhalation toxicity	: Remarks: Not considered to be an inhalation hazard under normal conditions of use.
Acute dermal toxicity	: LD50 (Rabbit): > 5,000 mg/kg Remarks: Expected to be of low toxicity:

Skin corrosion/irritation

Product:

Remarks: Expected to be slightly irritating., Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis.

Serious eye damage/eye irritation

Product:

Remarks: Expected to be slightly irritating.

Respiratory or skin sensitisation

Product:

Remarks: Not expected to be a skin sensitiser.

Germ cell mutagenicity

Product:

: Remarks: Not considered a mutagenic hazard.

Carcinogenicity

Product:

Remarks: Not expected to be carcinogenic.

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.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
OSHA	No component of this product present at levels greater than or

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Version 2.3	Revision Date: 11/14/2017	Print Date: 11/15/2017
NTP	equal to 0.1% is on OSHA's list of regula No component of this product present at equal to 0.1% is identified as a known or by NTP.	levels greater than or
Reproductive toxicity <u>Product:</u>		

Remarks: Not expected to impair fertility., Not expected to be a developmental toxicant.

STOT - single exposure

Product:

Remarks: Not expected to be a hazard.

STOT - repeated exposure

Product:

Remarks: Not expected to be a hazard.

Aspiration toxicity

<u>Product:</u> Not considered 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: Continuous contact with used engine oils has caused skin cancer in animal tests.

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).

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

sion 2.3	R	evision Date: 11/14/2017	Print Date: 11/15/
Factoriate			
Ecotoxicity			
<u>Product:</u> Toxicity to fish (Acute toxici- ty)	:	Remarks: Expected to be practi LL/EL/IL50 > 100 mg/l	ically non toxic:
Toxicity to daphnia and other aquatic invertebrates (Acute toxicity)	:	Remarks: Expected to be practi LL/EL/IL50 > 100 mg/l	ically non toxic:
Toxicity to algae (Acute tox- icity)	:	Remarks: Expected to be pract LL/EL/IL50 > 100 mg/l	ically non toxic:
Toxicity to fish (Chronic tox- icity)	:	Remarks: Data not available	
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	:	Remarks: Data not available	
Toxicity to bacteria (Acute toxicity)	:	Remarks: Data not available	
Persistence and degradabili	ty		
Product:			
Biodegradability	:	Remarks: Expected to be not re Major constituents are expected ble, but contains components the ment.	d to be inherently biodegra
Bioaccumulative potential			
Product:			
Bioaccumulation	:	Remarks: Contains components cumulate.	s with the potential to bioad
Mobility in soil			
Product:			
Mobility	:	Remarks: Liquid under most en If it enters soil, it will adsorb to s mobile.	
		Remarks: Floats on water.	
Other adverse effects no data available			
Product:			
Additional ecological infor- mation	:	Product is a mixture of non-vola expected to be released to air in	

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Version 2.3	Revision Date: 11/14/2017	Print Date: 11/15/2017
	Not expected to have ozone de cal ozone creation potential or g	
	Poorly soluble mixture. May cause physical fouling of a	quatic organisms.
SECTION 13. DISPOSAL CON	SIDERATIONS	
Disposal methods		
Waste from residues	: Recover or recycle if possible. It is the responsibility of the was toxicity and physical properties determine the proper waste clas ods in compliance with applicat Do not dispose into the environ courses	of the material generated to ssification and disposal meth- ble regulations.
	Waste product should not be all ground water, or be disposed of Waste, spills or used product is	f into the environment.
Contaminated packaging	: Dispose in accordance with pre to a recognized collector or con the collector or contractor shoul Disposal should be in accordan national, and local laws and reg	tractor. The competence of Id be established beforehand. ce with applicable regional,
Local legislation Remarks	: Disposal should be in accordan	•••

national, and local 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

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Version 2.3	Revision Date: 11/14/2017	Print Date: 11/15/2017
Remarks	: Special Precautions: Refer to C for special precautions which a needs to comply with in connec	user needs to be aware of or

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : No OSHA Hazards

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

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
Ethylenediamine	107-15-3	5000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

CERCLA Reportable Quantity

Calculated RQ exceeds reasonably attainable upper limit., Shell classifies this material as an "oil" under the CERCLA Petroleum Exclusion, therefore releases to the environment are not reportable under CERCLA., The components with RQs are given for information.

SARA 304 Extremely Hazardous Substances Reportable Quantity

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

SARA 311/312 Hazards	:	No SARA Hazards
SARA 302	:	No chemicals in this material are subject to the reporting re- quirements of SARA Title III, Section 302.
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.

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.			
The components of this product are reported in the following inventories:				
EINECS	All components listed or polymer exempt.			
TSCA	All components listed.			
DSL	All components listed.			

SECTION 16. OTHER INFORMATION

Further information

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Version 2.3 Revision Date: 11/14/2017 Print Date: 11/15/2017 NFPA Rating (Health, Fire, Reac-0, 1, 0 tivity) A vertical bar (1) in the left margin indicates an amendment from the previous version. Abbreviations and Acronyms : The standard abbreviations and acronyms used in this document 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 Toxicology 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 Inventorv 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. LL/EL/IL = Lethal Loading/Effective Loading/Inhibitory loading LL50 = Lethal Loading fifty MARPOL = International Convention for the Prevention of **Pollution From Ships** NOEC/NOEL = No Observed Effect Concentration / No Observed Effect Level OE HPV = Occupational Exposure - High Production Volume

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Version 2.3	Revision Date: 11/14/2017	Print Date: 11/15/2017	
	PICCS = Philippine Inventory of Substances PNEC = Predicted No Effect Co REACH = Registration Evaluati Chemicals RID = Regulations Relating to In gerous Goods by Rail SKIN_DES = Skin Designation STEL = Short term exposure lin TRA = Targeted Risk Assessme TSCA = US Toxic Substances of TWA = Time-Weighted Average	PNEC = Predicted No Effect Concentration REACH = Registration Evaluation And Authorisation Of Chemicals RID = Regulations Relating to International Carriage of Dan- erous Goods by Rail SKIN_DES = Skin Designation STEL = Short term exposure limit RA = Targeted Risk Assessment SCA = US Toxic Substances Control Act	
Sources of key data used to compile the Safety Data Sheet	: The quoted data are from, but r sources of information (e.g. toxi Health Services, material suppl IUCLID date base, EC 1272 reg	icological data from Shell iers' data, CONCAWE, EU	
Revision Date	: 11/14/2017		

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.