According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

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SECTION 1. IDENTIFICATION		
Product name	: Shell GadusRail S2 Wheel Flange G	Grease 0
Product code	: 001D8468	
Manufacturer or supplier's	details	
Manufacturer/Supplier	<ul> <li>Shell Oil Products US</li> <li>PO Box 4427</li> <li>Houston TX 77210-4427</li> <li>USA</li> </ul>	
SDS Request Customer Service	: (+1) 877-276-7285 :	
<b>Emergency telephone numl</b> Spill Information Health Information	: 877-504-9351	
Recommended use of the c Recommended use	hemical and restrictions on use : Automotive and industrial grease.	

#### **SECTION 2. HAZARDS IDENTIFICATION**

#### **GHS Classification**

Not a hazardous substance or mixture.

#### **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: No precautionary phrases.</li> </ul>

#### 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.

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Used grease may contain harmful impurities.

High-pressure injection under the skin may cause serious damage including local necrosis. 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	:	A lubricating grease containing highly-refined mineral oils and
		additives. The highly refined mineral oil contains <3% (w/w) DMSO-
		extract, according to IP346.

#### Hazardous components

Chemical name	Synonyms	CAS-No.	Concentration (%)
Zinc dialkyldithiophosphate	Phosphorodithioic acid, O,O-di-C1-14- alkyl esters, zinc salts	68649-42-3	1 - 2.4

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

	General advice	:	Not expected to be a health hazard when used under normal conditions.
	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.
			When using high pressure equipment, injection of product under the skin can occur. If high pressure injuries occur, the casualty should be sent immediately to a hospital. Do not wait for symptoms to develop. Obtain medical attention even in the absence of apparent wounds.
	In case of eye contact	:	Flush eye with copious quantities of water. 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. Local necrosis is evidenced by delayed onset of pain and
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	tissue damage a few hours follo	wing injection.
Protection of first-aiders	: When administering first aid, enabled appropriate personal protective incident, injury and surroundings	equipment according to the
Immediate medical attention, special treatment	: Treat symptomatically.	
	High pressure injection injuries require prompt surgical inter vention an d possibly steroid therapy, to minimise tissue dar age and loss of function. Because entry wounds are small and do not reflect the seri- ousness of the underlying damage, surgical exploration to determine the extent of involvement may be necessary. Loc anaesthetics or hot soaks should be avoided because they can contribute to swelling, vasospasm and ischaemia. Prom surgical decompression, debridement and evacuation of for- eign material should be performed under general anaesthet ics, and wide exploration is essential.	

## 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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Methods and materials for containment and cleaning up	rivers by using sand, earth, or oth Prevent from spreading or enterin ers by using sand, earth, or other	ng into drains, ditches or riv-
Additional advice	: For guidance on selection of pers see Chapter 8 of this Safety Data For guidance on disposal of spille this Safety Data Sheet.	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.
Precautions for 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.
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 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 ((inhal-	5 mg/m3	US. ACGIH

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able frac- tion))		Threshold Limit Values
(Mist)	5 mg/m3	OSHA_TRA NS

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

No biological limit allocated.

## Monitoring Methods

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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 contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

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	Due to the product's semi-solid mists and dusts is unlikely to or	
Personal protective equip	ment	
Respiratory protection	<ul> <li>No respiratory protection is ord conditions of use.</li> <li>In accordance with good indust tions should be taken to avoid I If engineering controls do not n tions to a level which is adequa select respiratory protection eq cific conditions of use and mee Check with respiratory protective Where air-filtering respirators a priate combination of mask and Select a filter suitable for the co and vapours [Type A/Type P b</li> </ul>	trial hygiene practices, precau- breathing of material. naintain airborne concentra- ate to protect worker health, uipment suitable for the spe- ting relevant legislation. ve equipment suppliers. are suitable, select an appro- d filter. combination of organic gases
Hand protection Remarks	: Where hand contact with the pr gloves approved to relevant sta US: F739) made from the follow suitable chemical protection. P <sup>1</sup> gloves Suitability and durability usage, e.g. frequency and dura sistance of glove material, dext glove suppliers. Contaminated Personal hygiene is a key elem Gloves must only be worn on c gloves, hands should be washe cation of a non-perfumed moist For continuous contact we reco through time of more than 240 480 minutes where suitable gloves short-term/splash protection we recognize that suitable gloves of may not be available and in this time maybe acceptable so long and replacement regimes are fr a good predictor of glove resist dependent on the exact compo Glove thickness should be typic depending on the glove make a	andards (e.g. Europe: EN374, wing materials may provide VC, neoprene or nitrile rubber of a glove is dependent on ation of contact, chemical re- terity. Always seek advice from gloves should be replaced. nent of effective hand care. clean hands. After using ed and dried thoroughly. Appli- turizer is recommended. commend 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 not tance to a chemical as it is osition of the glove material. cally greater than 0.35 mm
Eye protection	: If material is handled such that protective eyewear is recomme	
Skin and body protection	: Skin protection is not ordinarily work clothes. It is good practice to wear cher	
Protective measures	: Personal protective equipment mended national standards. Ch	

## Environmental exposure controls

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General advice	<ul> <li>Take appropriate measures to furvant environmental protection leg of the environment by following a necessary, prevent undissolved charged to waste water. Waste wa municipal or industrial waste wate discharge to surface water. Local guidelines on emission lim must be observed for the dischar vapour.</li> </ul>	gislation. Avoid contamination advice given in Chapter 6. If material from being dis- water should be treated in a ter treatment plant before its for volatile substances

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Semi-solid at ambient temperature.
Colour	: dark grey
Odour	: Slight hydrocarbon
Odour Threshold	: Data not available
рН	: Not applicable
Drop point	: 166 °C / 330 °FMethod: IP 396
Initial boiling point and boiling range	: Data not available
Flash point	: Not applicable
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	: 0.900 (15 °C / 59 °F)
Density	: 900 kg/m3 (15.0 °C / 59.0 °F) Method: Unspecified
Solubility(ies) Water solubility	: negligible
Solubility in other solvents	: Data not available
Partition coefficient: n-	: Pow: > 6(based on information on similar products)
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octanol/water		
Auto-ignition temperature	: > 320 °C / 608 °F	
Viscosity		
Viscosity, dynamic	: Data not available	
Viscosity, kinematic	: 68 mm2/s (40.0 °C / 104.0 °F) Method: ASTM D445	
	7.9 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.
Decomposition temperature	: Data not available	

### SECTION 10. STABILITY AND REACTIVITY

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 to form during normal storage.

#### 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 : LD50 (rat): > 5,000 mg/kg

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	Remarks: Expected to be of low	toxicity:
Acute inhalation toxicity	: Remarks: Not considered to be normal conditions of use.	an inhalation hazard under
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.

#### **Components:**

#### Zinc dialkyldithiophosphate:

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

#### 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.

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.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcino- gen by ACGIH.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcino-
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NTP	gen by OSHA. No component of this product present a equal to 0.1% is identified as a known o by NTP.	
Reproductive toxicity <u>Product:</u>	: Remarks: Not expected to impair fert a developmental toxicant.	ility., Not expected to be

#### STOT - single exposure

#### Product:

Remarks: Not expected to be a hazard.

#### STOT - repeated exposure

#### Product:

Remarks: Not expected to be a hazard.

#### Aspiration toxicity

#### Product:

Not considered an aspiration hazard.

#### **Further information**

#### Product:

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

Remarks: High pressure injection of product into the skin may lead to local necrosis if the product is not surgically removed.

Remarks: Slightly irritating to respiratory system.

## SECTION 12. ECOLOGICAL INFORMATION

Basis for assessment	<ul> <li>Ecotoxicological data have not been determined specifically for this product.</li> <li>Information given is based on a knowledge of the components</li> </ul>
	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).

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Ecotoxicity			
<u>Product:</u> Toxicity to fish (Acute toxici- ty)	:	Remarks: Expected to be practically LL/EL/IL50 > 100 mg/l	non toxic:
Toxicity to daphnia and other aquatic invertebrates (Acute toxicity)	:	Remarks: Expected to be practically LL/EL/IL50 > 100 mg/l	non toxic:
Toxicity to algae (Acute tox- icity)	:	Remarks: Expected to be practically LL/EL/IL50 > 100 mg/l	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 degradabilit	tv		
Product:	.,		
Biodegradability	:	Remarks: Expected to be not readily Major constituents are expected to b	
		ble, but contains components that ma ment.	
Bioaccumulative potential			
•			
<b>Bioaccumulative potential</b> <u><b>Product:</b></u> Bioaccumulation	:		ay persist in the enviro
Product:	:	ment. Remarks: Contains components with	ay persist in the enviro
Product: Bioaccumulation Mobility in soil	:	ment. Remarks: Contains components with	ay persist in the enviror
Product: Bioaccumulation Mobility in soil		ment. Remarks: Contains components with	ay persist in the environ the potential to bioac- vironmental conditions.
Product: Bioaccumulation Mobility in soil Product:		ment. Remarks: Contains components with cumulate. Remarks: Semi-solid under most envi If it enters soil, it will adsorb to soil pa	ay persist in the enviror the potential to bioac- vironmental conditions.
Product: Bioaccumulation Mobility in soil Product:		ment. Remarks: Contains components with cumulate. Remarks: Semi-solid under most env If it enters soil, it will adsorb to soil pa mobile.	ay persist in the environ the potential to bioac- vironmental conditions.
Product: Bioaccumulation Mobility in soil Product: Mobility Other adverse effects		ment. Remarks: Contains components with cumulate. Remarks: Semi-solid under most env If it enters soil, it will adsorb to soil pa mobile.	ay persist in the environ the potential to bioac- vironmental conditions.
Product: Bioaccumulation Mobility in soil Product: Mobility		ment. Remarks: Contains components with cumulate. Remarks: Semi-solid under most env If it enters soil, it will adsorb to soil pa mobile.	ay persist in the enviror the potential to bioac- vironmental conditions.

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	Not expected to have ozone depl cal ozone creation potential or glo	letion potential, photochemi-
	Poorly soluble mixture. May cause physical fouling of aq	uatic organisms.
	Mineral oil is not expected to cau aquatic organisms at concentration	,
SECTION 13. DISPOSAL CONSIDERATIONS		

Disposal methods	
Waste from residues	<ul> <li>Recover or recycle if possible.</li> <li>It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations.</li> <li>Do not dispose into the environment, in drains or in water courses</li> </ul>
Contaminated packaging	: Dispose in accordance with prevailing regulations, preferably to a recognized collector or contractor. The competence of the collector or contractor should be established beforehand. Disposal should be in accordance with applicable regional, national, and local laws and regulations.
Local legislation Remarks	: Disposal should be in accordance with applicable regional, 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 Regulation

#### 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

Pollution category	: Not applicable
Ship type	: Not applicable
Product name	: Not applicable
Special precautions	: Not applicable

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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.	
Additional Information	: MARPOL Annex 1 rules apply f	or bulk shipments by sea.

## SECTION 15. REGULATORY INFORMATION

OSHA Hazards	:	No OSHA Hazards
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#### **EPCRA - Emergency Planning and Community Right-to-Know Act**

#### **CERCLA Reportable Quantity**

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 311/312 Hazards	No SARA Hazards	
SARA 302	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.	
SARA 313	: The following components are subject to reporting levels es tablished by SARA Title III, Section 313:	
	Zinc dialkyldithiophosphate 68649-42-3 1.932 %	

#### **Clean Water Act**

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

ophosphate	68649-42-3
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:	
All components listed or pol	ymer exempt.
All components listed.	
All components listed.	
•	This product does not conta of California to cause cance productive harm. <b>ct are reported in the follow</b> All components listed or pol All components listed.

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

#### **Further information**

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NFPA Rating (Health tivity)	Fire, Reac- 0, 1, 0	
A vertical bar ( ) in the Abbreviations and Ac	e left margin indicates an amendment from t ronyms : The standard abbreviations an ment can be looked up in refer dictionaries) and/or websites.	d acronyms used in this docu-
	ACGIH = American Conferenc	o of Covornmontal Industrial
	Hygienists	
	ADR = European Agreement of	
	Carriage of Dangerous Goods	
	AICS = Australian Inventory of	
	ASTM = American Society for BEL = Biological exposure limi	
	BTEX = Benzene, Toluene, E	
	CAS = Chemical Abstracts Ser	
	CEFIC = European Chemical I	
	CLP = Classification Packagin	g and Labelling
	COC = Cleveland Open-Cup	
	DIN = Deutsches Institut fur No DMEL = Derived Minimal Effec	-
	DNEL = Derived Nimital Effect Lev	
	DSL = Canada Domestic Subs	
	EC = European Commission	
	EC50 = Effective Concentratio	
	ECETOC = European Center of	on Ecotoxicology and Toxicolo
	gy Of Chemicals	Agapay
	ECHA = European Chemicals EINECS = The European Inve	
	Chemical Substances	nory of Existing Commercial
	EL50 = Effective Loading fifty	
	ENCS = Japanese Existing an	d New Chemical Substances
	Inventory	
	EWC = European Waste Code	
	GHS = Globally Harmonised S	system of Classification and
	Labelling of Chemicals IARC = International Agency for	or Research on Cancer
	IATA = International Air Transp	
	IC50 = Inhibitory Concentration	
	IL50 = Inhibitory Level fifty	
	IMDG = International Maritime	
	INV = Chinese Chemicals Inve IP346 = Institute of Petroleum	
	determination of polycyclic aro	
	KECI = Korea Existing Chemic	
	LC50 = Lethal Concentration fi	
	LD50 = Lethal Dose fifty per ce	ent.
	LL/EL/IL = Lethal Loading/Effe	ctive Loading/Inhibitory loadin
	LL50 = Lethal Loading fifty	option for the Drovention of
	MARPOL = International Conv Pollution From Ships	
	NOEC/NOEL = No Observed B	Effect Concentration / No Ob-
	served Effect Level	

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	PBT = Persistent, Bioaccumulat PICCS = Philippine Inventory of Substances PNEC = Predicted No Effect Co REACH = Registration Evaluatio Chemicals RID = Regulations Relating to Ir gerous Goods by Rail SKIN_DES = Skin Designation STEL = Short term exposure lim TRA = Targeted Risk Assessme TSCA = US Toxic Substances O TWA = Time-Weighted Average vPvB = very Persistent and very	Chemicals and Chemical ncentration on And Authorisation Of nternational Carriage of Dan- nit ent Control Act
Revision Date	: 02/29/2016	

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.