According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

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: Shell Spirax S6 ATF A295	
: 001D8305	
's details	
: Shell Oil Products US PO Box 4427 Houston TX 77210-4427 USA	
: (+1) 877-276-7285	
mber	
: 877-504-9351 : 877-242-7400	
	<ul> <li>Shell Spirax S6 ATF A295</li> <li>001D8305</li> <li>'s details         <ul> <li>Shell Oil Products US PO Box 4427 Houston TX 77210-4427 USA</li> <li>(+1) 877-276-7285</li> <li>mber</li> </ul> </li> </ul>

Recommended use : Transmission oil.

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

GHS Classification Skin sensitisation	: Category 1
Chronic aquatic toxicity	: Category 3
GHS label elements Hazard pictograms	
Signal word	: Warning
Hazard statements	<ul> <li>PHYSICAL HAZARDS: Not classified as a physical hazard under GHS criteria. HEALTH HAZARDS: H317 May cause an allergic skin reaction. ENVIRONMENTAL HAZARDS: H412 Harmful to aquatic life with long lasting effects.</li> </ul>
Precautionary statements	<ul> <li>Prevention: P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</li> <li>Response: P302 + P352 IF ON SKIN: Wash with plenty of water and soap. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.</li> </ul>
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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.

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

### 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) DMSOextract, according to IP346. The highly refined mineral oil is only present as additive diluent.

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

Chemical name	Synonyms	CAS-No.	Concentration (%)
Heterocyclic ether	3- (decyloxy)tetrahydro thiophene 1,1- dioxide	18760-44-6	1 - 3
Borated ester	2-hydroxy-4- tetradecyl-1,3,2- dioxaborolane	84819-41-0	0.1 - 0.9
Alkyl polyamide	Isooctadecanoic acid, reaction prod- ucts with tetra- ethylenepentamine	68784-17-8	0.1 - 0.9
Triazole derivative		80584-90-3	0.1 - 0.9
Triazole derivative	1-(N,N-bis(2- ethylhex- yl)aminomethyl)- 1,2,4-triazole	91273-04-0	0.1 - 0.9
Alkyl thiadiazole		13539-13-4	0.01 - 0.09
Dialkyl sulphide		822-27-5	0.01 - 0.09
Interchangeable low vis- cosity base oil (<20,5 cSt @40°C) *		Not Assigned	0 - 90

### Hazardous components

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### SECTION 4. FIRST-AID MEASURES

If inhaled		lo treatment necessary under normal conditions of use. symptoms persist, obtain medical advice.
In case of skin contact	te	Remove contaminated clothing. Flush exposed area with wa- er and follow by washing with soap if available. I persistent irritation occurs, obtain medical attention.
In case of eye contact		lush eye with copious quantities of water. persistent irritation occurs, obtain medical attention.
If swallowed		n general no treatment is necessary unless large quantities re swallowed, however, get medical advice.
Most important symptoms and effects, both acute and delayed	n C O	Skin sensitisation (allergic skin reaction) signs and symptoms hay include itching and/or a rash. Dil acne/folliculitis signs and symptoms may include formation f black pustules and spots on the skin of exposed areas. Ingestion may result in nausea, vomiting and/or diarrhoea.
Protection of first-aiders	a	Vhen administering first aid, ensure that you are wearing the ppropriate personal protective equipment according to the ncident, injury and surroundings.
Immediate medical attention, special treatment	: Т	reat 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).

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# 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.

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#### **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.
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.
<b>Storage</b> Other data	:	Keep container tightly closed and in a cool, well-ventilated place.

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	Use properly labeled and closable	e containers.
	Store at ambient temperature.	
	Store at ambient temperature.	
Packaging material	: Suitable material: For containers steel or high density polyethylene Unsuitable material: PVC.	
Container Advice	: Polyethylene containers should n peratures because of possible ris	

### 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- tion))	5 mg/m3	US. ACGIH Threshold 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.

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	Where material is heated, spraye greater potential for airborne cor	
	General Information: Define procedures for safe hand controls. Educate and train workers in the measures relevant to normal act product. Ensure appropriate selection, tes equipment used to control expose equipment, local exhaust ventila Drain down system prior to equip nance. Retain drain downs in sealed stor subsequent recycle. Always observe good personal h washing hands after handling the drinking, and/or smoking. Routin protective equipment to remove taminated clothing and footwear Practice good housekeeping.	e hazards and control ivities associated with this sting and maintenance of sure, e.g. personal protective tion. oment break-in or mainte- orage pending disposal or nygiene measures, such as e material and before eating, nely wash work clothing and contaminants. Discard con-
Personal protective equipme	ent	
Respiratory protection	<ul> <li>No respiratory protection is ordin conditions of use.</li> <li>In accordance with good industri tions should be taken to avoid br If engineering controls do not ma tions to a level which is adequate select respiratory protection equi cific conditions of use and meetin Check with respiratory protective Where air-filtering respirators are priate combination of mask and the Select a filter suitable for the corr and vapours [Type A/Type P bo</li> </ul>	ial hygiene practices, precau- reathing of material. aintain airborne concentra- e to protect worker health, ipment suitable for the spe- ng relevant legislation. e equipment suppliers. e suitable, select an appro- filter. mbination of organic gases
Hand protection Remarks	: Where hand contact with the pro- gloves approved to relevant star US: F739) made from the following suitable chemical protection. PV gloves Suitability and durability of usage, e.g. frequency and durating sistance of glove material, dexter glove suppliers. Contaminated g Personal hygiene is a key eleme Gloves must only be worn on clear gloves, hands should be washed cation of a non-perfumed moistur For continuous contact we recom- through time of more than 240 mr 480 minutes where suitable glove	adards (e.g. Europe: EN374, ing materials may provide C, neoprene or nitrile rubber of a glove is dependent on ion of contact, chemical re- rity. Always seek advice from loves should be replaced. ent of effective hand care. ean hands. After using d and dried thoroughly. Appli- urizer is recommended. nmend gloves with break- ninutes with preference for >

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	short-term/splash protection we r recognize that suitable gloves off may not be available and in this of time maybe acceptable so long a and replacement regimes are foll a good predictor of glove resistar dependent on the exact composi Glove thickness should be typica depending on the glove make an	fering this level of protection case a lower breakthrough as appropriate maintenance lowed. Glove thickness is not nce to a chemical as it is tion of the glove material. Illy greater than 0.35 mm
Eye protection	: If material is handled such that it protective eyewear is recommend	
Skin and body protection	: Wear chemical resistant gloves/g risk of splashing, also wear an ap	
Protective measures	: Personal protective equipment (F mended national standards. Che	
Environmental exposure co	ntrols	
General advice	<ul> <li>Take appropriate measures to ful vant environmental protection leg of the environment by following a necessary, prevent undissolved r charged to waste water. Waste w municipal or industrial waste water discharge to surface water. Local guidelines on emission limi must be observed for the dischar vapour.</li> </ul>	gislation. Avoid contamination advice given in Chapter 6. If material from being dis- vater should be treated in a er treatment plant before its for volatile substances

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Liquid at room temperature.
Colour	:	red
Odour	:	Slight hydrocarbon
Odour Threshold	:	Data not available
рН	:	Not applicable
pour point	:	-51 °C / -60 °FMethod: ISO 3016
Initial boiling point and boiling range	:	> 280 °C / 536 °Festimated value(s)
Flash point	:	213 °C / 415 °F Method: ASTM D92
Evaporation rate	:	Data not available
Flammability (solid, gas)	:	Data not available

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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	: 0.840 (15 °C / 59 °F)	
Density	: 840 kg/m3 (15.0 °C / 59.0 °F) Method: ASTM D287	
Solubility(ies) Water solubility	: negligible	
Solubility in other solvents	: Data not available	
Partition coefficient: n- octanol/water	: Pow: > 6(based on information or	n similar products)
Auto-ignition temperature	: > 320 °C / 608 °F	
Viscosity Viscosity, dynamic	: Data not available	
Viscosity, kinematic	: 36 mm2/s (40.0 °C / 104.0 °F) Method: ASTM D445	
	7.3 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 b	e a static accumulator.
Decomposition temperature	: Data not available	

# SECTION 10. STABILITY AND REACTIVITY

Reactivity	: The product does not pose any further reactivity addition to those listed in the following sub-parage	
Chemical stability	: Stable.	
Possibility of hazardous reac-	: Reacts with strong oxidising agents.	
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tions		
Conditions to avoid	: Extremes of temperature and d	irect sunlight.
Incompatible materials	: Strong oxidising agents.	
Hazardous decomposition products	: Hazardous decomposition prod during normal storage.	ucts are not expected to 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).

#### 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: Expected to be a skin sensitizer.

### **Components:**

### Borated ester:

Remarks: May cause an allergic skin reaction in sensitive individuals.

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Version 3.0 Revision Date: 07/11/2016 Print Date: 07/12/2016 Remarks: Classified Skin Sensitiser Category 1B. Alkyl polyamide: Remarks: May cause an allergic skin reaction in sensitive individuals. Remarks: Classified Skin Sensitiser Category 1B. Triazole derivative: Remarks: May cause an allergic skin reaction in sensitive individuals. Remarks: Classified Skin Sensitiser Category 1B. Triazole derivative: Remarks: May cause an allergic skin reaction in sensitive individuals. Alkyl thiadiazole: Remarks: May cause an allergic skin reaction in sensitive individuals. Dialkyl sulphide: Remarks: May cause an allergic skin reaction in sensitive individuals. 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 equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. **Reproductive toxicity** Product: Remarks: Not expected to impair fertility., Not expected to be a developmental toxicant.

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

Remarks: Slightly irritating to respiratory system.

### **SECTION 12. ECOLOGICAL INFORMATION**

Basis for assessment	:	Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products. Unless indicated otherwise, the data presented is representa- tive of the product as a whole, rather than for individual com- ponent(s).(LL/EL/IL50 expressed as the nominal amount of product required to prepare aqueous test extract).
Ecotoxicity		
<u>Product:</u> Toxicity to fish (Acute toxici- ty)	:	Remarks: Expected to be harmful: LL/EL/IL50 10-100 mg/l
Toxicity to daphnia and other aquatic invertebrates (Acute toxicity)	:	Remarks: Expected to be harmful: LL/EL/IL50 10-100 mg/l
Toxicity to algae (Acute tox- icity)	:	Remarks: Expected to be harmful: LL/EL/IL50 10-100 mg/l
Toxicity to fish (Chronic tox-	:	Remarks: Data not available
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icity)		
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	: Remarks: Data not available	
Toxicity to bacteria (Acute toxicity)	: Remarks: Data not available	
Components:		
Triazole derivative:		
M-Factor (Acute aquatic tox- icity)	: 1	
Persistence and degradabili	ty	
Product:		
Biodegradability		t readily biodegradable. ted to be inherently biodegrada- s that may persist in the environ-
Bioaccumulative potential Product: Bioaccumulation	: Remarks: Contains compone cumulate.	ents with the potential to bioac-
Mobility in soil		
-		
<u>Product:</u> Mobility	: Remarks: Liquid under most If it enters soil, it will adsorb t mobile.	environmental conditions. to soil particles and will not be
	Remarks: Floats on water.	
Other adverse effects		
no data available		
Product: Additional ecological infor- mation	expected to be released to ai	olatile components, which are not ir in any significant quantities. depletion potential, photochemi- or global warming potential.
	Poorly soluble mixture. May cause physical fouling o	f aquatic organisms.

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### **SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods	
Waste from residues :	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.
	Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or na- tional requirements and must be complied with.
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.

#### **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

Pollution category Ship type Product name Special precautions	:	Not applicable Not applicable Not applicable Not applicable
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 for bulk shipments by sea.

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

- **OSHA Hazards**
- : Sensitiser

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

#### **CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
Xylene, Mixed Isomers	1330-20-7	100	*

\*: 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	:	Immediate (Acute) Health Hazard
SARA 302	:	No chemicals in this material are subject to the reporting requirements 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**

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

Xylene, mixed isomers	s 1330-20-7	0.0068 %	
Pennsylvania Right To Know diphenylamine		122-39-4	
California Prop 65	•	oduct contains a chemical known to the o cause birth defects or other reproductive	ve
The components of this product are reported in the following inventories:			
EINECS :	All components liste	d or polymer exempt.	
TSCA :	All components liste	d.	
DSL :	All components liste	d.	

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

#### **Further information**

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

A vertical bar (|) in the left margin indicates an amendment from the previous version. Abbreviations and Acronyms : The standard abbreviations and acronyms used in this docu-

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	ment can be looked up in reference literature (e.g. scientific dictionaries) and/or websites.		
	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	
	CAS = Chemical Abstracts Se CEFIC = European Chemical		
	CLP = Classification Packagi		
	COC = Cleveland Open-Cup DIN = Deutsches Institut fur Normung		
	DMEL = Derived Minimal Effe		
	DNEL = Derived No Effect Level DSL = Canada Domestic Substance List EC = European Commission		
	EC50 = Effective Concentration	on fifty	
		on Ecotoxicology and Toxicolo	
	gy Of Chemicals		
	ECHA = European Chemicals Agency EINECS = The European Inventory of Existing Comme Chemical Substances		
	EL50 = Effective Loading fifty		
	ENCS = Japanese Existing and New Chemical Sul Inventory		
	EWC = European Waste Cod	le	
	GHS = Globally Harmonised		
	Labelling of Chemicals		
	IARC = International Agency for Research on Cancer IATA = International Air Transport Association IC50 = Inhibitory Concentration fifty		
	IL50 = Inhibitory Level fifty	Shi hity	
	IMDG = International Maritime	e Dangerous Goods	
	INV = Chinese Chemicals Inv		
	IP346 = Institute of Petroleur		
	determination of polycyclic an		
	KECI = Korea Existing Chem LC50 = Lethal Concentration		
	LD50 = Lethal Dose fifty per d	<i>.</i>	
		ective Loading/Inhibitory loading	
	LL50 = Lethal Loading fifty		
	MARPOL = International Con	vention for the Prevention of	
	Pollution From Ships	Effect Concentration / No Ob-	
	served Effect Level	Effect Concentration / No Ob-	
	OE_HPV = Occupational Exposure - High Production Volu PBT = Persistent, Bioaccumulative and Toxic PICCS = Philippine Inventory of Chemicals and Chemical		
	Substances		
	PNEC = Predicted No Effect Concentration		
	REACH = Registration Evalua	ation and Authorisation Of	

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	RID = Regulations Relating to In gerous Goods by Rail SKIN_DES = Skin Designation STEL = Short term exposure limi TRA = Targeted Risk Assessment TSCA = US Toxic Substances C TWA = Time-Weighted Average vPvB = very Persistent and very	it nt control Act
<b>Revision Date</b>	: 07/11/2016	

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.