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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name	:	Shell Spirax S2 A 85W-140
Product code	:	001D8277

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture	:	Transmission oil.
Uses advised against		This product must not be used in applications other than those listed in Section 1 without first seeking the advice of the supplier.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier	 Shell UK Oil Products Limited Shell Centre London SE1 7NA United Kingdom
Telephone Telefax Email Contact for Safety Data Sheet	 : (+44) 08007318888 : If you have any enquiries about the content of this SDS please email lubricantSDS@shell.com

1.4 Emergency telephone number

: +44-(0) 151-350-4595

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:	No Hazard Symbol required	
Signal word	:	No signal word	
Hazard statements	:		PHYSICAL HAZARDS: Not classified as a physical hazard

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		according to CLP crit HEALTH HAZARDS: Not classified as a he criteria. ENVIRONMENTAL H Not classified as envi according to CLP crit	ealth hazard under CLP HAZARDS: ironmental hazard
Precautionary statements	 Prevention: Response: Storage: Disposal: 	No precautionary phr No precautionary phr No precautionary phr No precautionary phr	rases. rases.
Sensitising components	: Contains alkyla May produce a	amine. an allergic reaction.	

2.3 Other hazards

This mixture does not contain any REACH registered substances that are assessed to be a PBT or a vPvB.

Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis.

Used oil may contain harmful impurities.

Not classified as flammable but will burn.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Highly refined mineral oils and additives. The highly refined mineral oil contains <3% (w/w) DMSOextract, according to IP346.

Hazardous components

Chemical name	CAS-No.	Classification	Concentration
	EC-No.	(REGULATION	[%]
	Registration	(EC) No	
	number	1272/2008)	
Alkyl polysulphide		Aquatic Chronic4;	< 5
		H413	
Alkyl amine		Acute Tox.4; H302	< 0.24
		Acute Tox.3; H311	
		Acute Tox.3; H331	
		Skin Corr.1B;	
		H314	
		Skin Sens.1; H317	

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STOT RE2; H373 Aquatic Acute1; H400 Aquatic Chronic1;	
H410	

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures General advice : Not expected to be a health hazard when used under normal conditions. 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. If inhaled : No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice. In case of skin contact : Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. If persistent irritation occurs, obtain medical attention. In case of eye contact : Flush eye with copious guantities 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. 4.2 Most important symptoms and effects, both acute and delayed : Oil acne/folliculitis signs and symptoms may include formation Symptoms of black pustules and spots on the skin of exposed areas. Ingestion may result in nausea, vomiting and/or diarrhoea. 4.3 Indication of any immediate medical attention and special treatment needed

Treatment	: Notes to doctor/physician:
	Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

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

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media 5.2 Special hazards arising from	the substance or mixture	
Specific hazards during firefighting	: Hazardous combustion products may mixture of airborne solid and liquid p (smoke). Carbon monoxide may be combustion occurs. Unidentified orga compounds.	articulates and gases evolved if incomplete
5.3 Advice for firefighters		
Special protective equipment for firefighters	: Proper protective equipment includin gloves are to be worn; chemical resis large contact with spilled product is e Breathing Apparatus must be worn v a confined space. Select fire fighter's	stant suit is indicated if expected. Self-Contained when approaching a fire in s clothing approved to
Specific extinguishing methods	relevant Standards (e.g. Europe: EN : Use extinguishing measures that are circumstances and the surrounding e	e appropriate to local

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	 6.1.1 For non emergency personnel: Avoid contact with skin and eyes. 6.1.2 For emergency responders: Avoid contact with skin and eyes.
6.2 Environmental precautions	
Environmental precautions	: Use appropriate containment to avoid environmental contamination. 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.
6.3 Methods and materials for cont	tainment and cleaning up
Methods for 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.

6.4 Reference to other sections

SAFETY DATA SHEET Regulation 1907/2006/EC

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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.

SECTION 7: Handling and storage

General Precautions	:	Use local exhaust ventilation if there is risk of inhalation of vapours, mists or aerosols. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.
7.1 Precautions for safe handling		
Advice on safe handling	:	Avoid prolonged or repeated contact with skin. Avoid inhaling vapour and/or mists. When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Properly dispose of any contaminated rags or cleaning materials in order to prevent fires.
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.
7.2 Conditions for safe storage, in	ncl	uding any incompatibilities
Other data	:	Keep container tightly closed and in a cool, well-ventilated place. Use properly labeled and closable containers.
		Store at ambient temperature.
		Refer to section 15 for any additional specific legislation covering the packaging and storage of this product.
		The storage of this product may be subject to the Control of Pollution (Oil Storage) (England) Regulations. Further guidance may be obtained from the local environmental agency office.
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.
7.3 Specific end use(s)		
Specific use(s)	:	Not applicable

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Oil mist, mineral		TWA	5 mg/m3	US. ACGIH Threshold Limit Values

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

8.2 Exposure controls

Engineering measuresThe 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.

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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

The provided information is made in consideration of the PPE directive (Council Directive 89/686/EEC) and the CEN European Committee for Standardisation (CEN) standards.

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

Eye protection	 If material is handled such that it could be splashed into eyes, protective eyewear is recommended. Approved to EU Standard EN166.
Hand protection	
Remarks	: Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739) made from the following materials may provide suitable chemical protection. PVC, neoprene or nitrile rubber gloves Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.
	For continuous contact we recommend gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes where suitable gloves can be identified. For short-term/splash protection we recommend the same, but recognize that suitable gloves offering this level of protection may not be available and in this case a lower breakthrough time maybe acceptable so long as appropriate maintenance and replacement regimes are followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Glove thickness should be typically greater than 0.35 mm depending on the glove make and model.
Skin and body protection	 Skin protection is not ordinarily required beyond standard work clothes. It is good practice to wear chemical resistant gloves.
Respiratory protection	: No respiratory protection is ordinarily required under normal
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	conditions of use. In accordance with good industrial precautions should be taken to avoid If engineering controls do not main concentrations to a level which is a health, select respiratory protection specific conditions of use and mee Check with respiratory protective e Where air-filtering respirators are s appropriate combination of mask a Select a filter suitable for combined and vapours [Type A/Type P boilin meeting EN14387 and EN143.	bid breathing of material. tain airborne adequate to protect worker n equipment suitable for the ting relevant legislation. equipment suppliers. suitable, select an and filter. d particulate/organic gases
Thermal hazards	: Not applicable	
Hygiene measures	: Exposure to this product should be reasonably practicable. Reference Health and Safety Executive's pub Essentials".	should be made to the
Environmental exposure	controls	
General advice	: Take appropriate measures to fulfil relevant environmental protection I contamination of the environment b Chapter 6. If necessary, prevent u being discharged to waste water. V treated in a municipal or industrial before discharge to surface water. Local guidelines on emission limits must be observed for the discharge vapour.	egislation. Avoid by following advice given in indissolved material from Vaste water should be waste water treatment plant

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: Liquid at room temperature.
Colour	: amber
Odour	: Slight hydrocarbon
Odour Threshold	: Data not available
рН	: Not applicable
pour point	: -15 °CMethod: ISO 3016

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Initial boiling point and boiling range	: > 280 °Cestimated value(s)	
Flash point	: 215 °C Method: ISO 2592	
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) estimated value(s)	
Relative vapour density	: > 1estimated value(s)	
Relative density	: 0.908 (15 °C)	
Density	: 908 kg/m3 (15.0 °C) Method: ISO 12185	
Solubility(ies)		
Water solubility	: negligible	
Solubility in other solvents	: Data not available	
Partition coefficient: n- octanol/water	: Pow: > 6(based on information of	n similar products)
Auto-ignition temperature	: > 320 °C	
Viscosity		
Viscosity, dynamic	: Data not available	
Viscosity, kinematic	: 358 mm2/s (40.0 °C) Method: ISO 3104	
	25.6 mm2/s (100 °C) Method: ISO 3104	
Explosive properties	: Not classified	
Oxidizing properties	: Data not available	

9.2 Other information

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Conductivity Decomposition temperature	This material is not expected to be aData not available	a static accumulator.

SECTION 10: Stability and reactivity

10.1 Reactivity

The product does not pose any further reactivity hazards in addition to those listed in the following sub-paragraph.

10.2 Chemical stability

Stable.

No hazardous reaction is expected when handled and stored according to provisions

10.3 Possibility of hazardous reactions

Hazardous reactions	Reacts with strong oxidising agents.	
10.4 Conditions to avoid Conditions to avoid	Extremes of temperature and direct sunlight.	
10.5 Incompatible materials		
Materials to avoid	Strong oxidising agents.	
10.6 Hazardous decomposition products		
Hazardous decomposition	Hazardous decomposition products are not expected to form during normal storage.	

SECTION 11: Toxicological information

11.1 Information on toxicological effects

	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.
Ас	ute toxicity <u>Product:</u>		
	Acute oral toxicity	:	LD50 rat: > 5,000 mg/kg Remarks: Expected to be of low toxicity:

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

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: For respiratory and skin sensitisation:, Not expected to be a 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).

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

Reproductive toxicity

Product:

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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

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.

Remarks: Classifications by other authorities under varying regulatory frameworks may exist.

Summary on evaluation of the CMR properties

Germ cell mutagenicity- Assessment	product does not meet the criteria for classification in egories 1A/1B.
Carcinogenicity - Assessment	product does not meet the criteria for classification in gories 1A/1B.
Reproductive toxicity - Assessment	s product does not meet the criteria for classification in egories 1A/1B.

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SECTION 12: Ecological information

12.1 Toxicity

Basis for assessment Product:	:	Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products. Unless indicated otherwise, the data presented is representative of the product as a whole, rather than for individual component(s).(LL/EL/IL50 expressed as the nominal amount of product required to prepare aqueous test extract).
Toxicity to fish (Acute toxicity)	:	Remarks: Expected to be practically non toxic: LL/EL/IL50 > 100 mg/l
Toxicity to crustacean (Acute toxicity)	:	Remarks: Expected to be practically non toxic: LL/EL/IL50 > 100 mg/l
Toxicity to algae/aquatic plants (Acute toxicity)	:	Remarks: Expected to be practically non toxic: LL/EL/IL50 > 100 mg/l
Toxicity to fish (Chronic toxicity)	:	Remarks: Data not available
Toxicity to crustacean (Chronic toxicity)	:	Remarks: Data not available
Toxicity to microorganisms		
(Acute toxicity)	•	Remarks: Data not available

12.2 Persistence and degradability

Product:

Biodegradability	: Remarks: Expected to be not readily biodegradable., Major constituents are expected to be inherently biodegradable, but contains components that may persist in the environment.
12.3 Bioaccumulative potential	
Product:	
Bioaccumulation	: Remarks: Contains components with the potential to bioaccumulate.
Partition coefficient: n- octanol/water	: Pow: > 6Remarks: (based on information on similar products)
12.4 Mobility in soil	

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Product:						
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. 					
12.5 Results of PBT and vPvB assessment						
Product:						
Assessment	This mixture does not contain any REACH registered substances that are assessed to be a PBT or a vPvB.					
12.6 Other adverse effects						
Product:						
Additional ecological information	 Product is a mixture of non-volatile con expected to be released to air in any s Not expected to have ozone depletion photochemical ozone creation potentia potential. Poorly soluble mixture., May cause phorganisms. Mineral oil is not expected to cause ar aquatic organisms at concentrations lease 	significant quantities., potential, al or global warming hysical fouling of aquatic hy chronic effects to				

SECTION 13: Disposal considerations

13.1 Waste treatment methods	
Product	 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 national 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.
Local legislation Waste catalogue	: EU Waste Disposal Code (EWC):
Waste Code	: 13 02 05*
Remarks	: Classification of waste is always the responsibility of the end
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user.

SECTION 14: Transport information

14.1 UN number	
ADR	: Not regulated as a dangerous good
RID	: Not regulated as a dangerous good
IMDG	: Not regulated as a dangerous good
ΙΑΤΑ	: Not regulated as a dangerous good
14.2 Proper shipping name	
ADR	: Not regulated as a dangerous good
RID	: Not regulated as a dangerous good
IMDG	: Not regulated as a dangerous good
ΙΑΤΑ	: Not regulated as a dangerous good
14.3 Transport hazard class	
ADR	: Not regulated as a dangerous good
RID	: Not regulated as a dangerous good
IMDG	: Not regulated as a dangerous good
ΙΑΤΑ	: Not regulated as a dangerous good
14.4 Packing group	
ADR	: Not regulated as a dangerous good
RID	: Not regulated as a dangerous good
IMDG	: Not regulated as a dangerous good
ΙΑΤΑ	: Not regulated as a dangerous good
14.5 Environmental hazards	
ADR	: Not regulated as a dangerous good
RID	: Not regulated as a dangerous good
IMDG	: Not regulated as a dangerous good
14.6 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.
	Annex II of MARPOL 73/78 and the IBC Code
Dollution optogon/	Not oppliaabla

•	•	
Pollution category	:	Not applicable
Ship type	:	Not applicable
Product name	:	Not applicable
Special precautions	:	Not applicable
Additional Information	:	: MARPOL Annex 1 rules apply for bulk shipments by sea.

SECTION 15: Regulatory information

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

REACH - List of substances subject to authorisation : Product is not subject to

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(Annex XIV)	Authorisati	on under REACH.
Volatile organic compounds	: 0 %	
Other regulations	 Environmental Protection Act 1990 (as Safety at Work etc. Act 1974. Consum Pollution Prevention and Control Act 1 1995. Factories Act 1961. The Carriag and Use of Transportable Pressure Ed Regulations 2011. Chemicals (Hazard Packaging for Supply) Regulations 20 Substances Hazardous to Health Reg amended). Merchant Shipping (Dange Pollutants) Regulations 1997. Reportin and Dangerous Occurrences Regulati Personal Protective Equipment Regula Protective Equipment at Work Regula Waste (England and Wales) Regulation Control of Major Accident Hazards Re amended). Renewable Transport Fue (as amended). Energy Act 2011. Envi (England and Wales) Regulations 201 (England and Wales) Regulations 201 Planning (Hazardous Substances) Act regulations. The Environmental Protect Ozone-Depleting Substances) Regulations 	ners Protection Act 1987. 999. Environment Act ge of Dangerous Goods quipment (Amendment) I Information and 09. Control of ulations 2002 (as erous Goods and Marine ng of Injuries, Diseases ons 1995 (as amended). ations 2002. Personal tions 1992. Hazardous ons 2005(as amended). gulations 1999 (as I Obligations Order 2007 ronmental Permitting 0 (as amended). Waste 1 (as amended). t 1990 and associated ction (Controls on

EINECS/ELINCS/EC	1	All components listed or polymer exempt.
TSCA	:	All components listed.

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other information

Full text of H-Statements					
H302	Harmful if swallowed.				
H311	Toxic in contact with skin.				
H314	Causes severe skin burns and eye damage.				
H317	May cause an allergic skin reaction.				
H331	Toxic if inhaled.				
H373	May cause damage to organs through prolonged or repeated exposure				
	if inhaled.				

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H400 H410 H413	Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects May cause long lasting harmful effects to aquat	
Full text of other ab	breviations	
Full text of other ab Acute Tox. Aquatic Acute Aquatic Chronic Skin Corr. Skin Sens. STOT RE Abbreviations and Ac	Acute toxicity Acute aquatic toxicity Chronic aquatic toxicity Skin corrosion Skin sensitisation Specific target organ toxicity - repeated exposur	ayms used in this loc literature (e.g. s. evernmental Industrial ing the International id cal Substances and Materials zene, Xylenes council abelling ist oxicology and c Existing Commercial Chemical Substances of Classification and arch on Cancer sociation rous Goods
	determination of polycyclic aromatics KECI = Korea Existing Chemicals Inve	

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	LC50 = Lethal Concentration fifty LD50 = Lethal Dose fifty per cent. LL/EL/IL = Lethal Loading/Effective I LL50 = Lethal Loading fifty MARPOL = International Convention Pollution From Ships NOEC/NOEL = No Observed Effect Observed Effect Level OE_HPV = Occupational Exposure - PBT = Persistent, Bioaccumulative a PICCS = Philippine Inventory of Che Substances PNEC = Predicted No Effect Concer REACH = Registration Evaluation At Chemicals RID = Regulations Relating to Intern Dangerous Goods by Rail SKIN_DES = Skin Designation STEL = Short term exposure limit TRA = Targeted Risk Assessment TSCA = US Toxic Substances Contr TWA = Time-Weighted Average vPvB = very Persistent and very Bios	n for the Prevention of Concentration / No High Production Volume and Toxic emicals and Chemical Intration Ind Authorisation Of ational Carriage of
Further information		
Other information	: No Exposure Scenario annex is atta sheet. It is a non-classified mixture of substances as detailed in Section 3; Exposure Scenarios for the hazardo have been integrated into the core s	containing hazardous relevant information from us substances contained ections 1-16 of this SDS.
A vertical bar () in the left margin indicate from the previous version.		dicates an amendment

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.