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

1.1 Product identifier

Trade name	:	Shell Naturelle Fluid HF-E 46
Product code	:	001A9034

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

Use of the Substance/Mixture	Hydraulic fluid.
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 criteria HEALTH HAZARDS: Not classified as a healt criteria. ENVIRONMENTAL HAZ Not classified as environ according to CLP criteria	th hazard under CLP ZARDS: nmental hazard
Precautionary statements	: Prevention:	No precautionary phras	es.
	Response:	No precautionary phras	es.
Storage: Disposal:	Storage:	No precautionary phras	es.
	Uisposai:	No precautionary phras	es.

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.

High-pressure injection under the skin may cause serious damage including local necrosis. Not classified as flammable but will burn.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature

: Blend of synthetic esters and additives.

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
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	water and follow by washing with s If persistent irritation occurs, obtain	
	When using high pressure equipme under the skin can occur. If high pr casualty should be sent immediate for symptoms to develop. Obtain medical attention even in th wounds.	essure injuries occur, the ly to a hospital. Do not wait
In case of eye contact	: Flush eye with copious quantities on If persistent irritation occurs, obtain	
If swallowed	: In general no treatment is necessa are swallowed, however, get medic	
4.2 Most important symptoms	and effects, both acute and delayed	
Symptoms	: Oil acne/folliculitis signs and sympt of black pustules and spots on the Ingestion may result in nausea, vor	skin of exposed areas.
	Local necrosis is evidenced by dela tissue damage a few hours following	
4.3 Indication of any immedia	te medical attention and special treatme	ent needed
Treatment	: Notes to doctor/physician: Treat symptomatically.	
	High pressure injection injuries req intervention an d possibly steroid th damage and loss of function. Because entry wounds are small at seriousness of the underlying dama determine the extent of involvemer anaesthetics or hot soaks should b can contribute to swelling, vasospa surgical decompression, debrideme foreign material should be performe anaesthetics, and wide exploration	nerapy, to minimise tissue nd do not reflect the age, surgical exploration to at may be necessary. Local e avoided because they ism and ischaemia. Prompt ent and evacuation of ed under general

SECTION 5: Firefighting measures

5.1 Extinguishing media

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

5.2 Special hazards arising from the substance or mixture

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Specific hazards during firefighting	: Hazardous combustion products may mixture of airborne solid and liquid pa (smoke). Carbon monoxide may be e 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 w a confined space. Select fire fighter's relevant Standards (a.g., Europe, EN	stant suit is indicated if expected. Self-Contained /hen 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 	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.
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Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and materials for containment 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.
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6.4 Reference to other sections

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		
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. 	
7.2 Conditions for safe storage, in	cluding 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

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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.

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,

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	protective eyewear is recommended. Approved to EU Standard EN166.	
Hand protection		
Remarks	: Where hand contact with the product gloves approved to relevant standard US: F739) made from the following n suitable chemical protection. PVC, ne gloves Suitability and durability of a g usage, e.g. frequency and duration o resistance of glove material, dexterity from glove suppliers. Contaminated g replaced. Personal hygiene is a key of care. Gloves must only be worn on c gloves, hands should be washed and Application of a non-perfumed moistu	ds (e.g. Europe: EN374, naterials may provide eoprene or nitrile rubber glove is dependent on of contact, chemical y. Always seek advice gloves should be element of effective hand lean hands. After using d dried thoroughly.
	For continuous contact we recommend breakthrough time of more than 240 for > 480 minutes where suitable glow short-term/splash protection we reco recognize that suitable gloves offerin may not be available and in this case time maybe acceptable so long as ap and replacement regimes are follower a good predictor of glove resistance to dependent on the exact composition Glove thickness should be typically g depending on the glove make and more	minutes with preference ves can be identified. For mmend the same, but og this level of protection e a lower breakthrough opropriate maintenance ed. Glove thickness is not to a chemical as it is of the glove material. greater than 0.35 mm
Skin and body protection	: Skin protection is not ordinarily requir work clothes. It is good practice to wear chemical r	
Respiratory protection	 No respiratory protection is ordinarily conditions of use. In accordance with good industrial hy precautions should be taken to avoid If engineering controls do not mainta concentrations to a level which is add health, select respiratory protection e specific conditions of use and meetin Check with respiratory protective equ Where air-filtering respirators are sui appropriate combination of mask and Select a filter suitable for combined p and vapours [Type A/Type P boiling p meeting EN14387 and EN143. 	ygiene practices, I breathing of material. in airborne equate to protect worker equipment suitable for the ng relevant legislation. uipment suppliers. table, select an d filter. particulate/organic gases

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Thermal hazards :	Not applicable	
Hygiene measures :	Exposure to this product should be reduced reasonably practicable. Reference should be Health and Safety Executive's publication " Essentials".	be made to the
Environmental exposure contr	ols	
General advice :	Take appropriate measures to fulfill the required value of the environmental protection legislation contamination of the environment by follow Chapter 6. If necessary, prevent undissolve being discharged to waste water. Waste waster attend in a municipal or industrial waste waster discharge to surface water. Local guidelines on emission limits for vola must be observed for the discharge of exhavapour.	n. Avoid ving advice given in ved material from ater should be ater treatment plant tile substances

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: Liquid at room temperature.
Colour	: green
Odour	: Slight hydrocarbon
Odour Threshold	: Data not available
рН	: Not applicable
pour point	: -42 °CMethod: ISO 3016
Initial boiling point and boiling range	: > 280 °Cestimated value(s)
Flash point	: 322 °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)

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Vapour pressure	: < 0.5 Pa (20 °C) estimated value(s)		
Relative vapour density	: > 1estimated value(s)		
Relative density	: 0.921 (15 °C)		
Density	: 921 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 on similar	r products)	
Auto-ignition temperature	: > 320 °C		
Viscosity			
Viscosity, dynamic	: Data not available		
Viscosity, kinematic	: 47.2 mm2/s (40.0 °C) Method: ISO 3104		
	9.41 mm2/s (100 °C) Method: ISO 3104		
Explosive properties	: Not classified		
Oxidizing properties	: Data not available		
9.2 Other information			
Conductivity	: This material is not expected to be a stat	ic accumulator.	

Conductivity	
Decomposition temperature	: Data not available

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.

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No hazardous reaction is ex	pected when handled and stored according	to provisions
10.3 Possibility of hazardous r	eactions	
Hazardous reactions	: Reacts with strong oxidising agents.	
10.4 Conditions to avoid		
Conditions to avoid	: Extremes of temperature and direct s	sunlight.
10.5 Incompatible materials		
Materials to avoid	: Strong oxidising agents.	
10.6 Hazardous decomposition	ı products	
Hazardous decomposition products	: Hazardous decomposition products a during normal storage.	are not expected to form

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).
Informati exposure	•	:	Skin and eye contact are the primary routes of exposure although exposure may occur following accidental ingestion.
Acute toxicit	у		
Product	<u>.</u>		
Acute or	al toxicity	:	LD50 rat: > 5,000 mg/kg Remarks: Expected to be of low toxicity:
Acute inh	nalation toxicity	:	Remarks: Not considered to be an inhalation hazard under normal conditions of use.
Acute de	rmal 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

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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.

Reproductive toxicity

Product:

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.

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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: 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.

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

Summary on evaluation of the CMR properties

Germ cell mutagenicity- Assessment	: This product does not meet the criteria for classification in categories 1A/1B.	
Carcinogenicity - Assessment	: This product does not meet the criteria for classification in categories 1A/1B.	
Reproductive toxicity - Assessment	: This product does not meet the criteria for classification in categories 1A/1B.	

SECTION 12: Ecological information

12.1 Toxicity

Basis for assessment : Product:	Information given is based on product data, 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

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Toxicity to fish (Chronic	: Remarks: Data not available	
toxicity) Toxicity to crustacean (Chronic toxicity)	: Remarks: Data not available	
Toxicity to microorganisms (Acute toxicity)	: Remarks: Data not available	
12.2 Persistence and degradabil	ty	
Product:		
Biodegradability	: Remarks: Readily biodegradable.	
12.3 Bioaccumulative potential		
Product:		
Bioaccumulation	: Remarks: Contains components v bioaccumulate.	with the potential to
Partition coefficient: n- octanol/water	: Pow: > 6Remarks: (based on info	rmation on similar products)
12.4 Mobility in soil		
Product:		
Mobility	 Remarks: Liquid under most envir enters soil, it will adsorb to soil pa mobile. Remarks: Floats on water. 	
12.5 Results of PBT and vPvB as	sessment	
Product:		
Assessment	: This mixture does not contain any substances that are assessed to l	
12.6 Other adverse effects		
Product:		
Additional ecological information	 Product is a mixture of non-volatil expected to be released to air in a Not expected to have ozone deple photochemical ozone creation pot potential. Poorly soluble mixture., May caus organisms. 	any significant quantities., etion potential, tential or global warming

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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 01 11*
Remarks	: Classification of waste is always the responsibility of the end 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

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IMDG IATA	Not regulated as a dangerous goodNot regulated as a dangerous good	
14.5 Environmental hazards ADR RID IMDG	 Not regulated as a dangerous good Not regulated as a dangerous good Not regulated as a dangerous good 	
14.6 Special precautions for us	er	
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.	
14.7 Transport in bulk accordin	g to Annex II of MARPOL 73/78 and the IE	3C Code
Pollution category Ship type Product name Special precautions	 Not applicable Not applicable Not applicable 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 (Annex XIV)

: Product is not subject to Authorisation under REACH.

Volatile organic compounds : 0 %

Safety at Work etc. Act 1974. Consumers Protect Pollution Prevention and Control Act 1999. Enviro 1995. Factories Act 1961. The Carriage of Dange and Use of Transportable Pressure Equipment (A Regulations 2011. Chemicals (Hazard Information Packaging for Supply) Regulations 2009. Control Substances Hazardous to Health Regulations 200 amended). Merchant Shipping (Dangerous Good Pollutants) Regulations 1997. Reporting of Injurie and Dangerous Occurrences Regulations 1995 (a Personal Protective Equipment Regulations 1992. Waste (England and Wales) Regulations 2005(as Control of Major Accident Hazards Regulations 19 amended). Renewable Transport Fuel Obligations (as amended). Energy Act 2011. Environmental F (England and Wales) Regulations 2010 (as amen (England and Wales) Regulations 2011 (as amen	It (Amendment) ation and trol of 2002 (as bods and Marine uries, Diseases 5 (as amended). 002. Personal 92. Hazardous 5(as amended). s 1999 (as ions Order 2007 al Permitting nended). Waste
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	Planning (Hazardous Substances) Act regulations. The Environmental Protect Ozone-Depleting Substances) Regula	ction (Controls on
The components of	this product are reported in the following inven	tories:
EINECS TSCA	All components listed or polymer exerAll components listed.	npt.
15.2 Chemical Safety As	sessment	
No Chemical Safety	Assessment has been carried out for this substance	/mixture by the supplier.

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 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 Inventory of Existing Commercial Chemical Substances EL50 = Effective Loading fifty ENCS = Japanese Existing and New Chemical Substances Inventory EWC = European Waste Code GHS = Globally Harmonised System of Classification and
		Labelling of Chemicals

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	Revision Date 26.11.2015 Print Date 08.01.2 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 Loading/Effective Loading/Inhibitory loading LLTEL/EL/L = 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 PBT = Persistent, Bioaccumulative and Toxic PICCS = Philippine Inventory of Chemicals and Chemical Substances PNEC = Predicted No Effect Concentration REACH = Registration Evaluation And Authorisation Of Chemicals RID = Regulations Relating to International Carriage of Dangerous Goods by Rail SKIN_DES = Skin Designation STEL = Short term exposure	
Further information Other information	: No Exposure Scenario annex is atta sheet as it is a non-classified mixture substances.	
	No Exposure Scenario annex is atta sheet as it is a non-classified mixture substances.	
	Under Article 31 of REACH, a SDS i product. Therefore, this SDS has be basis to pass on potentially relevant under Article 32.	en created on a voluntary
	Under Article 31 of REACH, a SDS i product. Therefore, this SDS has be basis to pass on potentially relevant	en created on a voluntary

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A vertical bar (|) in the left margin indicates an amendment from the previous version.

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.