



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

SDS # : 30986

AEROHYDRAULIC 520

Date of the previous version: not applicable

Revision Date: 2013-01-08

Version 3

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name	AEROHYDRAULIC 520
Number	126
Pure substance/mixture	Mixture

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

Identified uses	Aviation.
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1.3. Details of the supplier of the safety data sheet

Supplier	TOTAL UK LIMITED 40 Clarendon Road Watford. Hertfordshire. WD17 1TQ UNITED KINGDOM Tel: +44 (0)1923 427700 Fax: +44 (0)1923 427701
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For further information, please contact:

Contact Point	Specific Product Related Info : 01977 636200
E-mail Address	rm.gb-msds@total.co.uk

1.4. Emergency telephone number

+33 1 49 00 00 49 (24h/24, 7d/7)
Total UK - 01923 427700
NHS Direct: 0845 46 47 / Textphone: 0845 606 46 47

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

REGULATION (EC) No 1272/2008

For the full text of the H-Statements mentioned in this Section, see Section 2.2.

DIRECTIVE 67/548/EEC or 1999/45/EC

For the full text of the R-phrases mentioned in this Section, see Section 16.



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The substance/mixture is classified as dangerous in accordance with Directive(s) 67/548/EEC with amendments and/or 1999/45/EC with amendments

Symbol(s)

Xn - Harmful

N - Dangerous for the environment

Classification

Xn;R20 - Xi;R38 - N;R51-53

2.2. Label elements

Labelled according to

Directive 1999/45/EC



Xn - Harmful



N - Dangerous for the environment

Contains Distillates (petroleum), hydrotreated middle

R-phrase(s)

R20 - Harmful by inhalation

R38 - Irritating to skin

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S-phrase(s)

S23 - Do not breathe vapour

S37 - Wear suitable gloves

S60 - This material and its container must be disposed of as hazardous waste

S61 - Avoid release to the environment. Refer to special instructions/ Safety data sheets

Contains Phenol, isopropylated, phosphate (3:1) [Triphenyl phosphate > 11%]. May produce an allergic reaction.

2.3. Other hazards

Physical-Chemical Properties Contaminated surfaces will be extremely slippery.**Environmental properties** Should not be released into the environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	EC-No	REACH Registration Number	CAS-No	Weight %	Classification (Dir. 67/548)	GHS Classification

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Distillates (petroleum), hydrotreated middle	265-148-2	01-2119489867-12	64742-46-7	>50	Xn;R20-65 Xi;R38 N;R51-53	Acute Tox. 4 (H332) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411)
Gas oils (petroleum), hydrodesulfurized	265-183-3	no data available	64742-79-6	<10	Xi;R38 Xn;R20-65 N;R51-53	Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411)
2,6-di-tert-butylphenol	204-884-0	01-2119490822-33	128-39-2	<1	Xi;R38 N;R50-53	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Skin Irrit. 2 (H315)
Phenol, isopropylated, phosphate (3:1) [Triphenyl phosphate > 11%]	273-066-3	no data available	68937-41-7	<0.5	Xn;R48/22 R43 Repr. Cat.3;R62 N;R51-53	Skin Sens. 1 (H317) Repr. 2 (H361) STOT RE 2 (H373) Aquatic Chronic 2 (H411)
Xylene (mixed isomers o, m, p)	215-535-7	01-2119488216-32	1330-20-7	<0.01	R10 Xn;R20/21-65 Xi;R36/37/38	Flam. Liq. 3 (H226) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335)
Ethylbenzene	202-849-4	no data available	100-41-4	<0.01	F;R11 Xn;R20-65-48/20 Xi;R36/37/38	Flam. Liq. 2 (H225) Acute Tox. 4 (H332) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335) STOT RE 2 (H373)

Additional information

Product containing mineral oil with less than 3% DMSO extract as measured by IP 346

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1. Description of first aid measures

General adviceIN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR
EMERGENCY MEDICAL CARE.**Eye contact**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin contact

Wash off immediately with soap and plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Seek medical attention if skin irritation, swelling or redness develops and persists.

Inhalation

Move to fresh air in case of accidental inhalation of vapours. If breathing is difficult, give oxygen. Call a physician or poison control centre immediately.



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Ingestion Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control centre immediately.

4.2. Most important symptoms and effects, both acute and delayed

Eye contact Not classified. May cause redness, itching, and pain.

Skin contact Irritating to skin. May produce an allergic reaction.

Inhalation Harmful by inhalation. Inhalation of vapours may cause headache, nausea, vomiting and an altered state of consciousness.

Ingestion Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Ingestion (swallowing) of this material may result in an altered state of consciousness and loss of coordination.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media Carbon dioxide (CO₂). ABC powder. Foam. Water spray or fog.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Special hazard Incomplete combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates, gases, including carbon monoxide, H₂S, SO_x (sulfur oxides) or sulfuric acid.

5.3. Precautions for fire-fighters

Special protective equipment for fire-fighters Wear self-contained breathing apparatus and protective suit.

Other information Cool containers / tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

General Information Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.

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6.2. Environmental precautions

General Information

Do not allow material to contaminate ground water system. Try to prevent the material from entering drains or water courses. 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

Dam up. Contain spillage, and then collect with non-combustable absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

Personal protective equipment See Section 8 for more detail.

Waste treatment See section 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

When using, do not eat, drink or smoke. For personal protection see section 8. Use only in well-ventilated areas. Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing.

Prevention of fire and explosion

Take precautionary measures against static discharges: Ground/bond containers, tanks and transfer/receiving equipment.

Hygiene measures

Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into workwear pockets.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

Keep away from food, drink and animal feedingstuffs. Keep in a bunded area. Keep container tightly closed. Preferably keep in the original container. Otherwise, reproduce all the statutory information from the labels onto the new container. Do not remove the hazard labels of the containers (even if they are empty). Design the installations in order to avoid accidental emissions of product (due to seal breakage, for example) onto hot casings or electrical contacts. Protect from frost, heat and sunlight. Protect from moisture.

Materials to avoid

Strong oxidising agents.



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7.3. Specific use(s)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parametres

Exposure limits

oil mist : 10mg/m³, for 15 minutes; oil mist : 5mg/m³, for 8 hours

Chemical Name	European Union	The United Kingdom	Ireland
Xylene (mixed isomers o, m, p) 1330-20-7	TWA 50 ppm TWA 221 mg/m ³ STEL 100 ppm STEL 442 mg/m ³ S*	STEL 100 ppm STEL 441 mg/m ³ TWA 50 ppm TWA 220 mg/m ³ Skin	TWA 50 ppm TWA 221 mg/m ³ STEL 100 ppm STEL 442 mg/m ³ Skin
Ethylbenzene 100-41-4	TWA 100 ppm TWA 442 mg/m ³ STEL 200 ppm STEL 884 mg/m ³ S*	STEL 125 ppm STEL 552 mg/m ³ TWA 100 ppm TWA 441 mg/m ³ Skin	TWA 100 ppm TWA 442 mg/m ³ STEL 200 ppm STEL 884 mg/m ³ Skin

Legend

See section 16

Chemical Name	Short term, systemic effects	Short term, local effects	Long term, systemic effects	Long term, local effects
Gas oils (petroleum), hydrodesulfurized 64742-79-6	5000 mg/m ³ /15 min [aerosol]		2.9 mg/kg/8h (dermal) 16 mg/m ³ /8h (aerosol - inhalation)	
2,6-di-tert-butylphenol 128-39-2			2.77 mg/kg bw/day Dermal 19.6 mg/m ³ Inhalation	
Xylene (mixed isomers o, m, p) 1330-20-7	289 mg/m ³ (Ethylbenzene-inhalation)	289 mg/m ³ (Ethylbenzene-inhalation)	77 mg/m ³ (ethylbenzene-inhalation) 180 mg/kg bw/day (ethylbenzene-dermal)	
Ethylbenzene 100-41-4	289 mg/m ³ (inhalation)	289 mg/m ³ (inhalation)	77 mg/m ³ (inhalation) 180 mg/kg bw/day (dermal)	77 mg/m ³ (inhalation)
Chemical Name	Short term, systemic effects	Short term, local effects	Long term, systemic effects	Long term, local effects
Gas oils (petroleum), hydrodesulfurized 64742-79-6	3000 mg/m ³ /15 min (aerosol - inhalation)		1.3 mg/kg/8h (dermal) 4.8 mg/m ³ /8h (aerosol - inhalation)	
2,6-di-tert-butylphenol 128-39-2			1.67 mg/kg bw/day Oral 5.8 mg/m ³ Inhalation	
Xylene (mixed isomers o, m, p) 1330-20-7	174 mg/m ³ (ethylbenzene-inhalation)	174 mg/m ³ (ethylbenzene-inhalation)	14.8 mg/m ³ (ethylbenzene-inhalation) 108 mg/kg bw/day (ethylbenzene-dermal) 1.6 mg/kg bw/day (ethylbenzene-oral)	
Ethylbenzene 100-41-4	174 mg/m ³ (inhalation)	174 mg/m ³ (inhalation)	14.8 mg/m ³ (inhalation) 108 mg/kg bw/day (dermal) 1.6 mg/kg bw/day (oral)	

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Chemical Name	Water	Sediment	Soil	Air	STP	Oral
2,6-di-tert-butylphenol 128-39-2	0.45 µg/l fw 0.045 µg/l mw 4.5 µg/l or	0.196 mg/kg dw fw 0.0196 mg/kg dw mw	38.9 µg/kg dw		10 mg/l	
Xylene (mixed isomers o, m, p) 1330-20-7	0.327 mg/l fw, mw, or	12.46 mg/kg sediment dw	2.31 mg/kg soil dw		6.58 mg/l	
Ethylbenzene 100-41-4	0.1 mg/l fw 0.01 mg/l mw 0.1 mg/l or	13.7 mg/kg dw fw	2.68 mg/kg dw		9.6 mg/l	

8.2. Exposure controls

Occupational Exposure Controls

Engineering measures

Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

Personal protective equipment

General Information

If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.

Respiratory protection

Do not breathe vapours, mist or gas. In case of inadequate ventilation wear respiratory protection: Respirator with combination filter for vapour/particulate (EN 14387). The use of breathing apparatus must comply strictly with the manufacturer's instructions and the regulations governing their choices and uses.

Eye protection

If splashes are likely to occur, wear: Safety glasses with side-shields.

Skin and body protection

Wear suitable protective clothing. Protective shoes or boots. Long sleeved clothing.

Hand protection

Hydrocarbon-proof gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves.

Environmental exposure controls

General Information

The product should not be allowed to enter drains, water courses or the soil.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Colour

red

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Physical state @20°C	Liquid characteristic		
Odour			
Property	Values	Remarks	Method
pH		not applicable	
Boiling point/boiling range		not applicable	
Flash point	> 82 °C > 180 °F		Cleveland Open Cup (COC) Cleveland Open Cup (COC).
Evaporation rate		No information available	
Flammability Limits in Air		No information available	
Vapour pressure		No information available	
Vapour density		No information available	
Density	872 kg/m ³	@ 15 °C	
Water solubility		Insoluble	
Solubility in other solvents		No information available	
logPow		No information available	
Autoignition Temperature		No information available	
Viscosity, kinematic	13.8 mm ² /s	@ 40 °C	ISO 3104
Explosive properties	Not explosive		
Oxidising Properties	not applicable		
Possibility of hazardous reactions	not applicable		
<u>9.2. Other information</u>			

10. STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Stability Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions None under normal processing.

10.4. Conditions to Avoid

Conditions to Avoid Heat (temperatures above flash point), sparks, ignition points, flames, static electricity.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous Decomposition Products

Hazardous Decomposition Products None under normal use.

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11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity Local effects Product Information

- | | |
|---------------------|--|
| Skin contact | . Irritating to skin. May produce an allergic reaction. |
| Eye contact | . Not classified. May cause redness, itching, and pain. |
| Inhalation | . Harmful by inhalation. Inhalation of vapours may cause headache, nausea, vomiting and an altered state of consciousness. |
| Ingestion | . Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Ingestion (swallowing) of this material may result in an altered state of consciousness and loss of coordination. |

Acute toxicity - Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Distillates (petroleum), hydrotreated middle	> 5000 mg/kg bw (Rat)	> 2000 mg/kg bw (Rabbit)	4.6 mg/l (Rat - aerosol) 4 h
Gas oils (petroleum), hydrodesulfurized	LD50 > 5000 mg/kg bw (rat - OECD 401)	LD50 > 2000 mg/kg bw (rabbit - OECD 402)	LC50 (4h) 4.6 mg/l (aerosol) (rat - OECD 403)
2,6-di-tert-butylphenol	> 5000 mg/kg (Rat)	LD50 > 5000 mg/kg (Rabbit)	
Phenol, isopropylated, phosphate (3:1) [Triphenyl phosphate > 11%]	> 5000 mg/kg (Rat)	LD50 > 10000 mg/kg (rabbit)	> 200 mg/L (Rat) 1 h
Xylene (mixed isomers o, m, p)	LD50 = 3523 mg/kg bw (rat)	LD50 = 12126 mg/kg bw (rabbit)	CL50 (4h) = 27124 mg/m ³ (rat - vapors)
Ethylbenzene	3500 - 4700 mg/kg (Rat)	15400 mg/kg (Rabbit)	LC50 (4h) 17.2 mg/l (rat -vapour)

Sensitisation

Sensitisation Not classified as a sensitizer. Contains sensitizer(s). May produce an allergic reaction.

Specific effects

Carcinogenicity This product is not classified carcinogenic.

Chemical Name	European Union
Distillates (petroleum), hydrotreated middle 64742-46-7	-
Gas oils (petroleum), hydrodesulfurized 64742-79-6	-

Mutagenicity

This product is not classified as mutagenic.

Reproductive toxicity

This product does not present any known or suspected reproductive hazards.

Repeated Dose Toxicity

Subchronic Toxicity

No information available.

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Target Organ Effects (STOT)

Target Organ Effects (STOT) No information available.

Other information

Other adverse effects Characteristic skin lesions (oil blisters) may develop following prolonged and repeated exposures (contact with contaminated clothing).

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Acute aquatic toxicity - Product Information

No information available.

Acute aquatic toxicity - Component Information

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates.	Toxicity to fish	Toxicity to microorganisms
Distillates (petroleum), hydrotreated middle 64742-46-7	EL50 (72h) 1.714 mg/l (Pseudokirchnerella subcapitata)	EL50 (48h) 7.385 mg/l Daphnia magna	LL50 (96h) 1.13 mg/l Oncorhynchus mykiss	
Gas oils (petroleum), hydrodesulfurized 64742-79-6		EL50 (48h) 7.385 mg/l (Daphnia magna - QSAR Petrotox)	LL50 (96h) 21 mg/l (Oncorhynchus mykiss - OECD 203)	
2,6-di-tert-butylphenol 128-39-2	EC50 (72h) 1.2 mg/l	EC50 (48h) = 0.45 mg/L Daphnia magna	LC50(96h) >1.4 mg/l	
Phenol, isopropylated, phosphate (3:1) [Triphenyl phosphate > 11%] 68937-41-7		EC50 (48h) 2.44 mg/l Daphnia magna	LC50 (96h): 1,6 mg/l Oncorhynchus mykiss LC50 (96h): 10.8 mg/l Pimephales promelas	
Xylene (mixed isomers o, m, p) 1330-20-7	IC50 (72h) = 2.2 mg/l Pseudokirchnerella subcapitata	EC50 (48h) = 1.0 mg/l Daphnia magna	LC50 (96h) 2.6 mg/l Oncorhynchus mykiss	EC50 = 0.0084 mg/L 24 h
Ethylbenzene 100-41-4	IC50 (72h) 3.6 mg/l	EC50 (48h) 1.8 - 2.4 mg/L Daphnia magna	LC50 (96h) 4,2 - 12,1 mg/l	EC50 = 96 mg/L 24 h EC50 = 9.68 mg/L 30 min

Chronic aquatic toxicity - Product Information

No information available.

Chronic aquatic toxicity - Component Information

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates.	Toxicity to fish	Toxicity to microorganisms
Gas oils (petroleum), hydrodesulfurized 64742-79-6		NOEL (21d) 0.163 mg/l (Daphnia magna - QSAR Petrotox)		

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Effects on terrestrial organisms

No information available.

12.2. Persistence and Degradability**General Information**

No information available.

12.3. Bioaccumulative potential**Product Information** No information available.**logPow** No information available
Component Information

Chemical Name	log Pow
2,6-di-tert-butylphenol - 128-39-2	4.5
Xylene (mixed isomers o, m, p) - 1330-20-7	3.2
Ethylbenzene - 100-41-4	3.6

12.4. Mobility in soil**Soil** Given its physical and chemical characteristics, the product generally shows low soil mobility.**Air** Loss by evaporation is limited.**Water** Insoluble. The product spreads on the surface of the water.12.5. Results of PBT and vPvB assessment**PBT and vPvB assessment** No information available.12.6. Other adverse effects**General Information** No information available.13. DISPOSAL CONSIDERATIONS13.1. Waste treatment methods**Waste from residues / unused products** Should not be released into the environment. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations. Where possible recycling is preferred to disposal or incineration.



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Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.
EWC Waste Disposal No	The following Waste Codes are only suggestions: 13 01 10. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

14. TRANSPORT INFORMATION

ADR/RID

UN/ID No	UN3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s
Hazard Class	9
Packing group	III
ADR/RID-Labels	9
Environmental hazard.	yes
Classification Code	M6
Special Provisions	274, 335, 601
Tunnel restriction code	(E)
ADR Hazard Id (Kemmler Number)	90
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Distillat moyens (pétrole), hydrotraités, Gas oils (petroleum), hydrodesulfurized), 9, PG III, (E), MIXTURE
Excepted Quantity	E1
Limited quantity	LQ7

IMDG/IMO

UN/ID No	UN3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Hazard Class	9
Packing Group	III
Marine pollutant	P
Ems	F-A, S-F
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Distillat moyens (pétrole), hydrotraités, Gas oils (petroleum), hydrodesulfurized), 9, PG III, MIXTURE
Special Provisions	179, 274, 335, 909
Excepted Quantity	E1
Limited quantity	5 L

ICAO/IATA

UN/ID No	UN3082
Hazard Class	9
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Packing group	III



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ERG Code	9L
Special Provisions	A97, A158
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Distillat moyens (pétrole), hydrotraités, Gas oils (petroleum), hydrodesulfurized), 9, PG III, MIXTURE
Excepted Quantity	E1
Limited quantity	30 kg G

ADN

UN/ID No	UN3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s
Hazard Class	9
Hazard Labels	9
Packing Group	III
Environmental hazard.	yes
Classification Code	M6
Special Provisions	274, 335, 601
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Distillat moyens (pétrole), hydrotraités, Gas oils (petroleum), hydrodesulfurized), 9, PG III, MIXTURE
Excepted Quantity	E1
Limited quantity	LQ7

15. REGULATORY INFORMATION

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

European Union

International Inventories

EINECS/ELINCS	-
TSCA	-
DSL	-
ENCS	-
IECSC	-
KECL	-
PICCS	-
AICS	-
NZIoC	-
Legend	

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances



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KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

Further information

15.2. Chemical Safety Assessment

Chemical Safety Assessment No information available

15.3. National regulatory information

The United Kingdom

- Avoid exceeding occupational exposure limits (see section 8).

Ireland

- Avoid exceeding occupational exposure limits (see section 8).

16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

R38 - Irritating to skin

R65 - Harmful: may cause lung damage if swallowed

R20 - Harmful by inhalation

R43 - May cause sensitisation by skin contact

R62 - Possible risk of impaired fertility

R10- Flammable

R11 - Highly flammable

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed

R20/21 - Harmful by inhalation and in contact with skin

R36/37/38 - Irritating to eyes, respiratory system and skin

R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation



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Full text of H-Statements referred to under section 2 and 3

H304 - May be fatal if swallowed and enters airways
 H317 - May cause an allergic skin reaction
 H361 - Suspected of damaging fertility or the unborn child
 H373 - May cause damage to organs through prolonged or repeated exposure
 H411 - Toxic to aquatic life with long lasting effects
 H226 - Flammable liquid and vapour
 H312 - Harmful in contact with skin
 H332 - Harmful if inhaled
 H315 - Causes skin irritation
 H225 - Highly flammable liquid and vapour
 H319 - Causes serious eye irritation
 H335 - May cause respiratory irritation

Abbreviations, acronyms

Legend Section 8

+	Sensitiser	*	Skin designation
**	Hazard Designation	C:	Carcinogen
M:	Mutagen	R:	Toxic to reproduction

Revision Date: 2013-01-08

Revision Note *** Indicates updated section.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

This safety data sheet serves to complete but not to replace the technical product sheets. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. It is understood by the user that any use of the product for purposes other than those for which it was designed entails potential risk. The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfil his obligations. This list is not to be considered complete and exhaustive. It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned.

End of Safety Data Sheet