



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

SDS # : 082233

FLUIDMATIC MV LV

Date of the previous version: 2015-03-31

Revision Date: 2016-10-04

Version 3

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name	FLUIDMATIC MV LV
Number	9RV
Substance/mixture	Mixture

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

Identified uses	Transmission fluid.
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1.3. Details of the supplier of the safety data sheet

Supplier	TOTAL LUBRIFIANTS 562 Avenue du Parc de L'île 92029 Nanterre Cedex FRANCE Tél: +33 (0)1 41 35 40 00 Fax: +33 (0)1 41 35 84 71***
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For further information, please contact:

Contact Point	HSE***
E-mail Address	rm.msds-lubs@total.com***

1.4. Emergency telephone number

Emergency telephone: +44 1235 239670
 France - ORFILA (INRS) Tél : +33 (0)1 45 42 59 59
 In France : - PARIS : Hôpital Fernand Widal 200, rue du Faubourg Saint-Denis 75475 Paris Cédex 10 , Tel : 01.40.05.48.48. -
 MARSEILLE : Hopital Salvator, 249 bd Ste Marguerite 13274 Marseille cedex 5, Tel : 04.91.75.25.25. - LYON : Hopital Edouard
 Herriot, 5 place d'Arsonvol, 69437 Lyon cedex 3, Tel : 04.72.11.69.11. - NANCY : Hopital central, 29 Av du Mal De Lattre de
 Tassigny, 54000 Nancy, Tel : 03.83.32.36.36 ou le SAMU : Tel (15)

Section 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. ****

Classification

The product is classified as dangerous in accordance with Regulation (EC) No. 1272/2008***
 Chronic aquatic toxicity - Category 2*** - (H411)***

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2.2. Label elements

Labelled according to

REGULATION (EC) No 1272/2008

**Hazard Statements *****

H411 - Toxic to aquatic life with long lasting effects***

Precautionary Statements

P501 - Dispose of contents/ container to an approved waste disposal plant***

2.3. Other hazards**Physical-Chemical Properties**

Contaminated surfaces will be extremely slippery.

Environmental properties

Should not be released into the environment.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixture*****Hazardous ingredients**

Chemical Name	EC-No	REACH registration No	CAS-No	Weight %	Classification (Reg. 1272/2008)
Distillates (petroleum), hydrotreated light paraffinic***	265-158-7***	01-2119487077-29	64742-55-8	40-<50	Asp. Tox. 1 (H304)
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based***	276-737-9***	01-2119474878-16	72623-86-0	1-<3	Asp. Tox. 1 (H304)
reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate***	406-040-9***	01-0000015551-76** *	125643-61-0	1-<2.5	Aquatic Chronic 4 (H413)
bis(nonylphenyl)amine***	253-249-4***	01-2119488911-28	36878-20-3	1-<2.5	Aquatic Chronic 4 (H413)
Reaction product of alkylthioalcohol and substituted phosphorus compound***	424-820-7***	01-0000017126-75	^	0.25-<1	Eye Dam. 1 (H318) Skin Corr. 1B (H314) Acute Tox. 4 (H312) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Acute M factor = 10 Chronic M factor = 10***

Additional information

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

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

Section 4: FIRST AID MEASURES4.1. Description of first-aid measures

General advice	IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.***
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids.***
Skin contact	Remove contaminated clothing and shoes. Wash off with soap and water. Wash contaminated clothing before reuse.***
Inhalation	Move to fresh air.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.***

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

Eye contact	Not classified.
Skin contact	Not classified.
Inhalation	Not classified. Inhalation of vapors in high concentration may cause irritation of respiratory system.
Ingestion	Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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

Notes to physician	Treat symptomatically.
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Section 5: FIRE-FIGHTING MEASURES5.1. Extinguishing media

Suitable Extinguishing Media	Carbon dioxide (CO ₂). 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 and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.
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5.3. Advice for fire-fighters

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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.

Section 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.

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 material for containment and cleaning up

Methods for cleaning up

Dam up. Contain spillage, and then collect with non-combustible 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.

Section 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 vapors 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.

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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. Keep preferably in the original container. Otherwise reproduce all indication of the regulation label on 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 oxidizing agents.*****7.3. Specific end uses**Specific use(s)**

No information available.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION8.1. Control parameters**Exposure limits**

Mineral oil mist:
USA: OSHA (PEL) TWA 5 mg/m³, NIOSH (REL) TWA 5 mg/m³, STEL 10 mg/m³, ACGIH (TLV) TWA 5 mg/m³ (highly refined)

Legend

See section 16

DNEL Worker (Industrial/Professional)

Chemical Name	Short term, systemic effects	Short term, local effects	Long term, systemic effects	Long term, local effects
Distillates (petroleum), hydrotreated light paraffinic*** 64742-55-8				5.4 mg/m ³ /8h (aerosol - inhalation)
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based*** 72623-86-0				5.4 mg/m ³ /8h (aerosol - inhalation)
reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate** * 125643-61-0	20 mg/kg Dermal***	1 mg/cm ² Dermal***	0.22 mg/kg Dermal***	0.006 mg/cm ² Dermal***
bis(nonylphenyl)amine*** 36878-20-3			0.62 mg/kg bw/day Dermal 4.37 mg/m ³ Inhalation	
Reaction product of alkylthioalcohol and substituted phosphorus compound*** ^			1.76 mg/m ³ (inhalation) 0.5 mg/kg bw/day (dermal)***	

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DNEL Consumer

Chemical Name	Short term, systemic effects	Short term, local effects	Long term, systemic effects	Long term, local effects
Distillates (petroleum), hydrotreated light paraffinic*** 64742-55-8				1.2 mg/m ³ /24h (aerosol - inhalation)
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based*** 72623-86-0				1.2 mg/m ³ /24h (inhalation - aerosol)
bis(nonylphenyl)amine*** 36878-20-3			0.31 mg/kg bw/day Dermal 1.09 mg/m ³ Inhalation 0.31 mg/kg bw/day Oral	
Reaction product of alkylthioalcohol and substituted phosphorus compound*** ^			0.43 mg/m ³ (inhalation) 0.25 mg/kg bw/day (dermal) 0.25 mg/kg bw/day (oral)***	

Predicted No Effect Concentration (PNEC)

Chemical Name	Water	Sediment	Soil	Air	STP	Oral
reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propanoate*** 125643-61-0	0.0043 mg/l fw 0.00043 mg/l mw***	233 mg/kg fw dw 23.3 mg/kg mw dw***	189 mg/kg***			
bis(nonylphenyl)amine*** 36878-20-3	0.1 mg/l fw 0.01 mg/l mw 1 mg/l or	132000 mg/kg dw fw 13200 mg/kg dw mw	263000 mg/kg dw		1 mg/l	
Reaction product of alkylthioalcohol and substituted phosphorus compound*** ^	0.0009 mg/l fw 0.00009 mg/l mw 0.0009 µg/l or***	0.0735 mg/kg sediment dw fw 0.00735 mg/kg sediment dw (mw)***	0.0146 mg/kg oil dw***		5 mg/l***	3.3 mg/kg food

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

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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	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Respirator with combination filter for vapour/particulate (EN 14387). Type A/P1. 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: Fluorinated rubber, Nitrile rubber. In case of prolonged contact with the product, it is recommended to wear gloves complying with EN 420 and EN 374 standards, protecting at least for 480 minutes and having a thickness of 0,38 mm at least. These values are indicative only. The level of protection is provided by the material of the glove, its technical characteristics, its resistance to the chemicals to be handled, the appropriateness of its use and its replacement frequency.***

Environmental exposure controls

General Information	The product should not be allowed to enter drains, water courses or the soil.
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Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Color		red	
Physical State @20°C		liquid	
Odor		Characteristic	
Odor Threshold		No information available	
<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH		Not applicable***	
Melting point/range	***	No information available***	***
	***	***	***
Boiling point/boiling range		No information available***	
Flash point ***	222*** °C*** 432*** °F***		Cleveland Open Cup (COC) Cleveland Open Cup (COC)
Evaporation rate		No information available***	
Flammability Limits in Air		No information available	
upper ***	***	No information available***	***
Lower ***	***	No information available***	***
Vapor Pressure		No information available***	
Vapor density		No information available***	
Relative density ***	*** 0.835*** - *** 0.855***	@ 15 °C***	***
Density	835*** - *** 855*** kg/m ³	@ 15 °C	

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Water solubility	Insoluble
Solubility in other solvents	No information available***
logPow	No information available***
Autoignition temperature	No information available***
Decomposition temperature	No information available***
Viscosity, kinematic ***	*** 28*** -*** 32*** @ 40 °C *** ISO 3104 ***
***	*** 5.9*** -*** 6.3*** @ 100 °C *** ISO 3104 ***
Explosive properties	Not explosive
Oxidizing Properties	No information available
Possibility of hazardous reactions	No information available

9.2. Other information

Freezing Point	***	No information available***	***
***	***	***	***

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

General Information	No information available.***
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10.2. Chemical stability

Stability	Stable under recommended storage conditions.
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10.3. Possibility of hazardous reactions

Hazardous Reactions	None under normal processing.
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10.4. Conditions to Avoid

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

Materials to Avoid	Strong oxidizing agents.***
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10.6. Hazardous Decomposition Products

Hazardous Decomposition Products	None under normal use. Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot.***
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Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

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Acute toxicity Local effects Product Information

Skin contact	. Not classified.
Eye contact	. Not classified.
Inhalation	. Not classified. Inhalation of vapors in high concentration may cause irritation of respiratory system.
Ingestion	. Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
ATEmix (oral)	11,172.00*** mg/kg***
ATEmix (dermal)	10,096.00*** mg/kg***
ATEmix (inhalation-dust/mist)	11.80*** mg/l***

Acute toxicity - Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Distillates (petroleum), hydrotreated light paraffinic***	LD50 > 5000 mg/kg bw (rat - OECD 420)	LD50 > 5000 mg/kg bw (rabbit - OECD 402)	LC50 (4h) > 5 mg/l (aerosol) (rat - OECD 403)
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based***	LD50 > 5000 mg/kg bw (Rat - OECD TG 401)	LD50 > 2000 mg/kg (Rabbit - OECD 402)	LD50 (4h) > 5.53 mg/l (Rat - OECD 403)
reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate***	LD50 > 2000 mg/kg (Rat - OECD 401)	LD50 > 2000 mg/kg (Rat - OECD 402)	
bis(nonylphenyl)amine***	LD50 > 5000 mg/kg (Rat - OECD 401)	LD50 > 2000 mg/kg (Rat - OECD 402)	
Reaction product of alkylthioalcohol and substituted phosphorus compound***	LD50 > 2000 mg/kg bw (rat)	LD50 > 500 mg/kg bw (rabbit)	

Sensitization

Sensitization Not classified as a sensitizer.

Specific effects

Carcinogenicity This product is not classified carcinogenic.
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.

Target Organ Effects (STOT)

Target Organ Effects (STOT) No information available.

Other information

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

Section 12: ECOLOGICAL INFORMATION**12.1. Toxicity**

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Toxic to aquatic life with long lasting effects.***

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 light paraffinic*** 64742-55-8	EL50 (72h) > 100 mg/l (Pseudokirchneriella subcapitata - OECD 201)	EL50 (48h) > 10000 mg/L (Daphnia magna - OCDE 202)	LL50 (96h) > 100 mg/L (Oncorhynchus mykiss - OCDE 203)	
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based*** 72623-86-0		EL50 (48h) > 10000 mg/l (OECD TG 202)	LL50 (96h) > 100 mg/l (OECD TG 203)	
reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate*** 125643-61-0	EC50 (72h) > 3 mg/l (Scenedesmus sp. - OECD 201)	EC50(24h) > 100 mg/l (Daphnia magna - OECD 202)	LC50 (96h) > 74 mg/l (Brachydanio rerio - semi static - OECD 203)***	
bis(nonylphenyl)amine*** 36878-20-3	EC50 (72h) > 100 mg/l (Desmodesmus subspicatus - OECD 201)	EC50 (48h) > 100 mg/l (Daphnia magna - OECD 202)	LC50 (96h) > 100 mg/l (Brachydanio rerio - OECD 203)	
Reaction product of alkylthioalcohol and substituted phosphorus compound*** ^	EL50 (72h) 0.31 mg/l (Pseudokirchnerella subcapitata)	EL50 (48h) 0.09 mg/l (Daphnia magna - OECD 202)	CL50 (96h) 1.5 mg/l (Oncorhynchus mykiss - OECD 203) LL50 (24h) 2 mg/l (Oncorhynchus mykiss - OECD 203) LL50 (48h) 1.7 mg/l (Oncorhynchus mykiss - OECD 203) LL50 (72h) 1.6 mg/l (Oncorhynchus mykiss - OECD 203) LL50 (96h) 1.5 mg/l (Oncorhynchus mykiss - OECD 203)	

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
Distillates (petroleum), hydrotreated light paraffinic*** 64742-55-8		NOEL (21d) 10 mg/l (Daphnia magna - OCDE 211)	NOEL (14/28d) >1000 mg/l (Oncorhynchus mykiss - QSAR Petrotox)	
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based*** 72623-86-0		NOEL (21d) = 10 mg/l (OECD TG 202)	NOELR (14d) > 1000 mg/l (QSAR modelled data)	

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Reaction product of alkylthioalcohol and substituted phosphorus compound*** ^	NOELR (72h) 0.13 mg/l (Pseudokirchnerella subcapitata) NOELR (72h) < 0.13 mg/l (Pseudokirchnerella subcapitata)	NOEC (21d) 0.14 mg/l (Daphnia magna) LOEC (21d) 0.35 mg/l (Daphnia magna) LL50 (21d) 0.22 mg/l (Daphnia magna)		
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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
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based*** - 72623-86-0	6.1
reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate*** - 125643-61-0	9.2***
bis(nonylphenyl)amine*** - 36878-20-3	7.7

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.***

Section 13: DISPOSAL CONSIDERATIONS13.1. Waste treatment methods**Waste from Residues / Unused**

Should not be released into the environment. Dispose of in accordance with the European

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Products	Directives on waste and hazardous waste. Dispose of in accordance with local regulations. Where possible recycling is preferred to disposal or incineration. After use, this oil must be sent to a licensed waste oil facility. Incorrect disposal of used oil poses a risk to the environment. Mixture with other waste types such as solvents, brake- and cooling liquids is forbidden.
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 02 05. 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.

Section 14: TRANSPORT INFORMATION

ADR/RID

UN/ID No	*** UN3082***
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.***
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, 375***
Tunnel Restriction Code	E***
ADR Hazard Id (Kemmler Number)	90***
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (3-(DECYLOXY)TETRAHYDROTHIOPHENE 1,1-DIOXIDE, REACTION PRODUCT OF ALKYLTHIOALCOHOL AND SUBSTITUTED PHOSPHORUS COMPOUND), 9, III***
Excepted Quantity	E1***
Limited quantity	5 L***

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 No.	F-A, S-F***
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (3-(decyloxy)tetrahydrothiophene 1,1-dioxide, Reaction product of alkylthioalcohol and substituted phosphorus compound), 9, III, Marine Pollutant***
Special Provisions	274, 335***
Excepted Quantity	E1***
Limited quantity	5 L***

ICAO/IATA

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UN/ID No	UN3082***
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.***
Hazard class	9***
Packing Group	III***
ERG Code	9L***
Special Provisions	A97, A158, A197***
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (3-(decyloxy)tetrahydrothiophene 1,1-dioxide, Reaction product of alkylthioalcohol and substituted phosphorus compound), 9, III***
Excepted Quantity	E1***
Limited quantity	30 kg G***
ADN	***
UN/ID No	UN3082***
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.***
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, 375, 601***
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (3-(DECYLOXY)TETRAHYDROTHIOPHENE 1,1-DIOXIDE, REACTION PRODUCT OF ALKYLTHIOALCOHOL AND SUBSTITUTED PHOSPHORUS COMPOUND), 9, III***
Excepted Quantity	E1***
Limited quantity	5 L***

Section 15: REGULATORY INFORMATION

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

European Union

Further information

No information available

15.2. Chemical Safety Assessment

Chemical Safety Assessment No information available

Section 16: OTHER INFORMATION

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

H304 - May be fatal if swallowed and enters airways

H312 - Harmful in contact with skin

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H314 - Causes severe skin burns and eye damage
 H318 - Causes serious eye damage
 H400 - Very toxic to aquatic life
 H410 - Very toxic to aquatic life with long lasting effects
 H413 - May cause long lasting harmful effects to aquatic life***

Abbreviations, acronyms

ACGIH = American Conference of Governmental Industrial Hygienists

bw = body weight

bw/day = body weight/day

EC x = Effect Concentration associated with x% response

GLP = Good Laboratory Practice

IARC = International Agency for Research of Cancer

LC50 = 50% Lethal concentration - Concentration of a chemical in air or a chemical in water which causes the death of 50% (one half) of a group of test animals

LD50 = 50% Lethal Dose - Chemical amount, given at once, which causes the death of 50% (one half) of a group of test animals

LL = Lethal Loading

NIOSH = National Institute of Occupational Safety and Health

NOAEL = No Observed Adverse Effect Level

NOEC = No Observed Effect Concentration

NOEL = No Observed Effect Level

OECD = Organization for Economic Co-operation and Development

OSHA = Occupational Safety and Health Administration

UVCB = Substance of unknown or Variable composition, Complex reaction products or Biological material

DNEL = Derived No Effect Level

PNEC = Predicted No Effect Concentration

dw = dry weight

fw = fresh water

mw = marine water

or = occasional release

Legend Section 8

TWA: Time Weight Average

STEL: Short Time Exposure Limit

PEL: Permissible exposure limit

REL: Recommended exposure limit

TLV: Threshold Limit Values

+ Sensitizer

** Hazard Designation

M: Mutagen

*

C:

R:

Skin designation

Carcinogen

Toxic to reproduction

Revision Date: 2016-10-04

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

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the user's responsibility to ensure that he is subject to no other obligations than those mentioned.

End of the Safety Data Sheet

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