SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

SDS # : 082234

FLUIDMATIC CVT MV

Date of the previous version: 2014-03-27 **Revision Date:** 2015-03-31 **Version** 2

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

1.1. Product identifier

Product name **FLUIDMATIC CVT MV**
Number 9QN
Substance/mixture Mixture

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

Identified uses Automatic transmission fluids.

1.3. Details of the supplier of the safety data sheet

Supplier

TOTAL LUBRIFIANTS
562 Avenue du Parc de L'ile
92029 Nanterre Cedex
Tél: +33 (0)1 41 35 40 00
Fax: +33 (0)1 41 35 84 71

For further information, please contact:

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

1.4. Emergency telephone number

+33 1 49 00 00 49 (24h/24, 7d/7)
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***
Skin sensitization - Category 1*** - (H317)***
Chronic aquatic toxicity - Category 3*** - (H412)***

SDS # : 082234

FLUIDMATIC CVT MV

Revision Date: 2015-03-31 **Version** 2

DIRECTIVE 67/548/EEC or 1999/45/EC
For the full text of the R-phrases mentioned in this Section, see Section 16

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)
Xi - Irritant***
Classification
R43 - R52/53 ***

2.2. Label elements

Labelled according to REGULATION (EC) No 1272/2008***

Contains Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivatives

Signal Word
WARNING***

Hazard Statements ***
H317 - May cause an allergic skin reaction
H412 - Harmful to aquatic life with long lasting effects***

Precautionary Statements
P280 - Wear protective gloves
P501 - Dispose of contents/container to an approved waste disposal plant***

Contains Ethanol, 2,2'-iminobis-, N-tallow alkyl derivates,C14-18 alpha-olefin epoxide, reaction products with boric acid 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.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixture

Hazardous ingredients ***

SDS # : 082234

FLUIDMATIC CVT MV

Revision Date: 2015-03-31 **Version** 2

Chemical Name	EC-No	REACH registration No	CAS-No	Weight %	Classification (Dir. 67/548)	Classification (Reg. 1272/2008)
Distillates (petroleum), hydrotreated light paraffinic***	265-158-7	01-2119487077-29	64742-55-8	1-50	-	Asp. Tox. 1 (H304)
Distillates (petroleum), hydrotreated heavy paraffinic***	265-157-1	01-2119484627-25	64742-54-7	1-35	-	Asp. Tox. 1 (H304)
bis(nonylphenyl)amine***	253-249-4	01-2119488911-28	36878-20-3	0.1-2	R53	Aquatic Chronic 4 (H413)
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich***	800-172-4	no data available	398141-87-2	0.1-2	N;R51-53	Aquatic Chronic 2 (H411)
Alkyl borate***	-	no data available	^	0.1-2	Xi;R36/38 R52-53	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Chronic 3 (H412) ***
Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivatives***	-	01-0000019770-68	^	0.1-2	Xi;R38 R43	Skin Sens. 1 (H317)***
Ethanol, 2,2'-iminobis-, N-tallow alkyl derivates***	263-177-5	-	61791-44-4	0.1-0.25	C;R34 Xn;R22 R43 N;R50	Skin Corr. 1B (H314) Skin Sens. 1 (H317) Acute Tox. 4 (H302) Aquatic Acute 1 (H400) Eye Dam. 1 (H318) Met. Corr. 1 (H290)
Diphenylamine***	204-539-4	no data available	122-39-4	0.1-0.25	T; R23/24/25 R33 N; R50-53	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT RE 2 (H373) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
C14-18 alpha-olefin epoxide, reaction products with boric acid***	939-580-3***	01-2119976364-28***	^	0.1-0.25	Xi;R38 Xi;R43	Skin Sens. 1 (H317)***

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.

Section 4: FIRST AID MEASURES

4.1. 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. High pressure jets may cause skin damage. Take victim immediately to hospital.***

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.

SDS # : 082234

FLUIDMATIC CVT MV

Revision Date: 2015-03-31 **Version** 2

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

Eye contact	Not classified.
Skin contact	May cause sensitization by skin contact.
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.

Section 5: FIRE-FIGHTING MEASURES

5.1. 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. Combustion products include sulphur oxides (SO2 and SO3) and Hydrogen sulphide H2S.

5.3. Advice 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.

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

SDS # : 082234

FLUIDMATIC CVT MV

Revision Date: 2015-03-31 **Version** 2

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-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.

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 PROTECTION

SDS # : 082234

FLUIDMATIC CVT MV

Revision Date: 2015-03-31 **Version** 2

8.1. 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/m³/8h (aerosol - inhalation)
Distillates (petroleum), hydrotreated heavy paraffinic*** 64742-54-7				5.4 mg/m³/8h (aerosol - inhalation)
bis(nonylphenyl)amine*** 36878-20-3			0.62 mg/kg bw/day Dermal 4.37 mg/m³ Inhalation	
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich*** 398141-87-2			3.1 mg/m³ (inhalation) 44 mg/kg bw/day (dermal)	
C14-18 alpha-olefin epoxide, reaction products with boric acid*** ^			5.88 mg/m³ Inhalation 16.7 mg/kg bw/day Dermal***	

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/m³/24h (aerosol - inhalation)
Distillates (petroleum), hydrotreated heavy paraffinic*** 64742-54-7				1.2 mg/m³/24h (aerosol - inhalation)
bis(nonylphenyl)amine*** 36878-20-3			0.31 mg/kg bw/day Dermal 1.09 mg/m³ Inhalation 0.31 mg/kg bw/day Oral	

SDS # : 082234

FLUIDMATIC CVT MV

Revision Date: 2015-03-31 **Version** 2

Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich*** 398141-87-2			0.8 mg/m³ (inhalation) 22 mg/kg bw/day (oral) 0.4 mg/kg bw/day (oral)	
C14-18 alpha-olefin epoxide, reaction products with boric acid*** ^			1.45 mg/m³ Inhalation 8.3 mg/kg bw/day Dermal 0.83 mg/kg bw/day Oral***	

Predicted No Effect Concentration (PNEC)

Chemical Name	Water	Sediment	Soil	Air	STP	Oral
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	
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich*** 398141-87-2	0.0024 mg/l fw 0.00024 mg/l mw 0.024 mg/l or	0.435 mg/kg sediment dw fw 0.0435 mg/kg sediment dw mw	0.086 mg/kg soil dw		100 mg/l	6.66 mg/kg food
C14-18 alpha-olefin epoxide, reaction products with boric acid*** ^	0.2 mg/l fw 0.02 mg/l mw 1 mg/l or***	8556 mg/kg dw fw 855.6 mg/kg dw mw***	1706.3 mg/kg dw***		100 mg/l***	33.3 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

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/P2. 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.

SDS # : 082234

FLUIDMATIC CVT MV

Revision Date: 2015-03-31 **Version** 2

Hand Protection	Hydrocarbon-proof gloves: Fluorinated rubber, Nitrile rubber. 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, and the contact time. 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.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Color	red
Physical State @20°C	liquid
Odor	Characteristic

Property	Values	Remarks	Method
pH		No information available	
Boiling point/boiling range		No information available	
Flash point	**208 °C**		Cleveland Open Cup (COC)
	406 °F		Cleveland Open Cup (COC)
Evaporation rate		No information available	
Flammability Limits in Air		No information available	
Vapor Pressure		No information available	
Vapor density		No information available	
Density	851 kg/m^3	@ 15 °C	
Water solubility		No information available	
Solubility in other solvents		No information available	
logPow		No information available	
Autoignition temperature		Not applicable	
Viscosity, kinematic	32.5 mm2/s	@ 40 °C	ISO 3104
	7.1 mm2/s	@ 100 °C	ISO 3104
Explosive properties	Not explosive		
Oxidizing Properties	No information available		
Possibility of hazardous reactions	No information available		

9.2. Other information

No information available***

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

General Information	No information available.

SDS # : 082234

FLUIDMATIC CVT MV

Revision Date: 2015-03-31 **Version** 2

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 oxidizing agents.

10.6. Hazardous Decomposition Products

Hazardous Decomposition Products Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot, Hydrogen sulphide, Sulfur oxides.***

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity Local effects Product Information

Skin contact . May cause sensitization by skin contact.

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.

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)
Distillates (petroleum), hydrotreated heavy 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)
bis(nonylphenyl)amine***	LD50 > 5000 mg/kg (Rat - OECD 401)	LD50 > 2000 mg/kg (Rat - OECD 402)	
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich***	LD50 > 10 mL/kg bw (rat)	LD50 > 4000 < 8000 mg/kg bw (rabbit - US 16 CFR 1500.3)	

SDS # : 082234

FLUIDMATIC CVT MV

Revision Date: 2015-03-31 **Version** 2

Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivatives***	LD50 > 2000 mg/kg (rat)	LD50 > 2000 mg/kg (rat)	
Diphenylamine***	= 1165 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	
C14-18 alpha-olefin epoxide, reaction products with boric acid***	LD50 > 16000 mg/kg (Rat)***	LD50 > 2000 mg/kg (Rat - OECD 402)***	

Sensitization

Sensitization Contains sensitizer(s). May cause sensitization by skin contact. May produce an allergic reaction.***

Specific effects

Carcinogenicity This product is not classified carcinogenic.

Chemical Name	European Union
Distillates (petroleum), hydrotreated light paraffinic*** 64742-55-8	-
Distillates (petroleum), hydrotreated heavy paraffinic*** 64742-54-7	-

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

Harmful 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 light paraffinic*** 64742-55-8	EL50 (72h) > 100 mg/l (Pseudokirchneriella subcapitata - OCDE 201)	EL50 (48h) > 10000 mg/L (Daphnia magna - OCDE 202)	LL50 (96h) > 100 mg/L (Oncorhynchus mykiss - OCDE 203)	

SDS # : 082234

FLUIDMATIC CVT MV

Revision Date: 2015-03-31 **Version** 2

Distillates (petroleum), hydrotreated heavy paraffinic*** 64742-54-7	EL50 (48h) > 100 mg/l (Pseudokirchnerella subcapitata - OECD 201)***	EL50 (48h) > 10000 mg/l (Daphnia magna - OECD 202)	LL50 (96h) > 100 mg/l (Oncorhynchus mykiss - 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 (Brachyanio rerio - OECD 203)	
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich*** 398141-87-2	EbL50 (72h) 3.5 mg/l (Desmodesmus subspicatus - OECD 201) ErL50 (72h) 63 mg/l (Desmodesmus subspicatus - OECD 201)***	EC50 (48h) 4.6 mg/l (Daphnia magna - OECD 202)***	LL50 (96h) 2.4 mg/l (Oncorhynchus mykiss - OECD 203)***	
Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivatives*** ^	EL50 (72h) >160 mg/l (Desmodesmus subspicatus) EL50 (72h) 130 mg/l (Desmodesmus subspicatus) EC50 100-1000 mg/l	EL50 (48h) 77 mg/l (Daphnia magna) EC50 (48h) 1.3 mg/l (Daphnia magna) EC50 100-1000 mg/l	LL50 (96h) 610 mg/l (Oncorhynchus mykiss) EC50 100-1000 mg/l	
Diphenylamine*** 122-39-4	EC50 (72h) = 1.5 mg/l Scenedesmus subspicatus	EC50 (48h) 1.69 - 2.46 mg/L Daphnia magna	LC50 (96h) 3.47-4.14 mg/L Pimephales promelas (flow-through)	EC50 = 4.77 mg/L 30 min EC50 = 2.81 mg/L 5 min EC50 = 3.46 mg/L 15 min
C14-18 alpha-olefin epoxide, reaction products with boric acid*** ^	EL50 (72h) > 100 mg/l (Pseudokirchnerella subcapitata - static - OECD 201)***	EL50 (48h) >= 100 mg/l (Daphnia magna - static - OECD 202)***	LL50 (96h) > 100 m/l (Oncorhynchus mykiss - semi static - OECD 203)***	

Chronic aquatic toxicity - Product Information

No information available.

Chronic aquatic toxicity - Component Information

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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)	
Distillates (petroleum), hydrotreated heavy paraffinic*** 64742-54-7		NOEL (21d) 10 mg/l (Daphnia magna - QSAR Petrotox)***	NOEL (14/28d) > 1000 mg/l (Oncorhynchus mykiss - QSAR Petrotox)	
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich*** 398141-87-2	NOELR (72h) 0.313 mg/l (Desmodesmus subspicatus - OECD 201)***	NOEC (48h) 0.63 mg/l (Daphnia magna - OECD 202)***	NOELR (96h) 1 mg/l (Oncorhynchus mykiss - OECD 203)***	
Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivatives*** ^	NOELR (72h) 20 mg/l (Desmodesmus subspicatus)	EL50 (21d) 100 mg/l (Daphnia magna) NOELR (21d) 56 mg/l (Daphnia magna)		

Effects on terrestrial organisms

No information available.

SDS # : 082234

FLUIDMATIC CVT MV

Revision Date: 2015-03-31 **Version** 2

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
Distillates (petroleum), hydrotreated heavy paraffinic*** - 64742-54-7	-
bis(nonylphenyl)amine*** - 36878-20-3	7.7
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich*** - 398141-87-2	4.1
Diphenylamine*** - 122-39-4	3.4

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 CONSIDERATIONS

13.1. 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. 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.

SDS # : 082234

FLUIDMATIC CVT MV

Revision Date: 2015-03-31 **Version** 2

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	Not regulated
IMDG/IMO	Not regulated
ICAO/IATA	Not regulated
ADN	Not regulated

Section 15: REGULATORY INFORMATION

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

European Union

International Inventories: No information available***

Further information

No information available***

15.2. Chemical Safety Assessment

Chemical Safety Assessment: No information available

Section 16: OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3
R22 - Harmful if swallowed
R33 - Danger of cumulative effects
R34 - Causes burns
R38 - Irritating to skin
R43 - May cause sensitization by skin contact
R50 - Very toxic to aquatic organisms
R53 - May cause long-term adverse effects in the aquatic environment***

SDS # : 082234

FLUIDMATIC CVT MV

Revision Date: 2015-03-31 **Version** 2

R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed
R36/38 - Irritating to eyes and skin
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment***

Full text of H-Statements referred to under sections 2 and 3
H290 - May be corrosive to metals
H301 - Toxic if swallowed
H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H311 - Toxic in contact with skin
H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H331 - Toxic if inhaled
H373 - May cause damage to the kidneys/liver/eyes/brain/digestive system/central nervous system through prolonged or repeated exposure if swallowed
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H411 - Toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects
H413 - May cause long lasting harmful effects to aquatic life***

Abbreviations, acronyms

Legend Section 8
TWA: Time Weight Average
STEL: Short Time Exposure Limit

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

Revision Date: 2015-03-31
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 the safety data sheet