

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

SDS # : 37833

CLASSIC 5W-30

Date of the previous version: 2016-06-29

Revision Date: 2016-12-29

Version 2.05

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

1.1. Product identifier

Product name	CLASSIC 5W-30
Number	OC3
Substance/mixture	Mixture

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

Identified uses

Motor oil.

1.3. Details of the supplier of the safety data sheet

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

Emergency telephone: +44 1235 239670 France - ORFILA (INRS) Tél : +33 (0)1 45 42 59 59 In France - Poison centers: ANGERS : 02 41 48 21 21 BORDEAUX : 05 56 96 40 80 LILLE : 08 00 59 59 59 LYON : 04 72 11 69 11 MARSEILLE : 04 91 75 25 25 NANCY : 03 83 22 50 50 PARIS : 01 40 05 48 48 STRASBOURG : 03 88 37 37 37 TOULOUSE : 05 61 77 74 47

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

REGULATION (EC) No 1272/2008



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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 Serious eye damage/eye irritation - Category 2 - (H319)

2.2. Label elements

Labelled according to

REGULATION (EC) No 1272/2008



Signal Word WĂRNING

Hazard Statements H319 - Causes serious eye irritation

Precautionary Statements

P101 - If medical advice is needed, have product container or label at hand P102 - Keep out of reach of children P280 - Wear eye protection/ face protection P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337 + P313 - If eye irritation persists: Get medical advice/attention***

EUH208 - Contains C14-16-18 Alkyl phenol May produce an allergic reaction

2.3. Other hazards

Contaminated surfaces will be extremely slippery. **Physical-Chemical Properties**

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	CAS-No	Weight %	Classification (Reg. 1272/2008)
		No			
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based		01-2119474889-13	72623-87-1	70-<80	Asp. Tox. 1 (H304)



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zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	298-577-9	01-2119543726-33	93819-94-4	1-<2.5	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Chronic 2 (H411)
bis(nonylphenyl)amine	253-249-4	01-2119488911-28	36878-20-3	1-<2.5	Aquatic Chronic 4 (H413)
C14-16-18 Alkyl phenol	931-468-2	01-2119498288-19	٨	1-<2.5	STOT RE 2 (H373) 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 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.***				
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 sympt	oms and effects, both acute and delayed				
Eye contact	Causes serious eye irritation.				
Skin contact	Not classified. May produce an allergic reaction.				
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 any immediate medical attention and special treatment needed

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.***



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Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.				
5.2. Special hazards arisi	ng 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 ma be highly dangerous if inhaled in confined spaces or at high concentration.				
5.3. Advice for fire-fighter					
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 R	ELEASE MEASURES				
6.1. Personal precautions	s, 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 preca	utions				
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 materia	I 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 se	ections				
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.***				



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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 and face 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 st	orage, 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 CON	TROLS/PERSONAL PROTECTION				
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
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based 72623-87-1				5.4 mg/m ³ /8h (aerosol - inhalation)
zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate) 93819-94-4			0.58 mg/kg Dermal 8.31 mg/m³ Inhalation	
bis(nonylphenyl)amine 36878-20-3			0.62 mg/kg bw/day Dermal 4.37 mg/m³ Inhalation	



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C14-16-18 Alkyl phenol ^			1.17 mg/m ³ (inhalation) 0.30 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
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based 72623-87-1				1.2 mg/m³/24h (aerosol - inhalation)
zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate) 93819-94-4			0.29 mg/kg Dermal 2.11 mg/m³ Inhalation 0.24 mg/kg Oral	
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	
Predicted No Effect Cond (PNEC)	centration			

Chemical Name	Water	Sediment	Soil	Air	STP	Oral
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based 72623-87-1						9.33 mg/kg food
zinc bis[O-(6-methylhept yl)] bis[O-(sec-butyl)] bis(dithiophosphate) 93819-94-4	0.021 mg/l or	0.0116 mg/kg dw fw 0.00116 mg/kg dw mw	0.00528 mg/kg soil dw		100 mg/l	10.67 mg/kg food
bis(nonylphenyl)ami ne 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	
C14-16-18 Alkyl phenol ^	0.100 mg/l (fw) 0.010 mg/l (mw) 1 mg/ (or)	4266.16 mg/kg sediment dw (fw) 426.62 mg/kg sediment dw (mw)	852.58 mg/kg soil dw		100 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.***



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Personal Protective Equipment		
General Information	If the product is used in mixtures, it is recommended that you co protective equipment suppliers. These recommendations apply supplied.***	
Respiratory protection	None under normal use conditions. When workers are facing co exposure limit they must use appropriate certified respirators. R filter for vapour/particulate (EN 14387). Type A/P2. The use of b comply strictly with the manufacturer's instructions and the regu choices and uses.	espirator with combination preathing apparatus must
Eye Protection	Tightly fitting safety goggles. Safety glasses with side-shields.**	*
Skin and body protection	Wear suitable protective clothing. Protective shoes or boots. Lot	ng sleeved clothing.
Hand Protection	Hydrocarbon-proof gloves: Fluorinated rubber, Nitrile rubber. In with the product, it is recommended to wear gloves complying w standards, protecting at least for 480 minutes and having a thick These values are indicative only. The level of protection is provi glove, its technical characteristics, its resistance to the chemica appropriateness of its use and its replacement frequency.	vith EN 420 and EN 374 kness of 0,38 mm at least. ded by the material of the

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

Appearance Color Physical State @20°C Odor Odor Threshold		limpid yellow liquid Characteristic No information available
<u>Property</u> pH Melting point/range	Values_	<u>Remarks</u> Not applicable No information available
Boiling point/boiling range		No information available
Flash point	220 °C 428 °F	
Evaporation rate Flammability Limits in Air		No information available No information available
upper Lower		No information available No information available

Method



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Vapor Pressure Vapor density Relative density Density Water solubility Solubility in other solvents logPow Autoignition temperature Decomposition temperature Viscosity, kinematic	0.850 850 kg/m³ 56 mm2/s	No information available No information available @ 15 °C @ 15 °C Insoluble No information available No information available No information available No information available @ 40 °C	ISO 3104
Explosive properties Oxidizing Properties Possibility of hazardous reactions	Not explosive Not applicable 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.		
10.2. Chemical stability			
Stability	Stable under recommend	led storage conditions.	
10.3. Possibility of hazardo	ous reactions		
Hazardous Reactions	None under normal proce	essing.	
10.4. Conditions to Avoid			
Conditions to Avoid	Heat (temperatures abov	e flash point), sparks, ignition poi	ints, flames, static electricity.
10.5. Incompatible materia	als		
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, Mercaptans.			
Section 11: TOXICOLOGICA	L INFORMATION		



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11.1. Information on toxicological effects

Acute toxicity Local effects Product Information

Skin contact	. Not classified. May produce an allergic reaction.
Eye contact	. Causes serious eye irritation.
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)	6,601.00 mg/kg
ATEmix (dermal)	6,526.00 mg/kg
ATEmix (inhalation-dust/mist)	6.80 mg/l

Acute toxicity - Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	LD50 > 5000 mg/kg bw (rat - OECD 401)	LD50 > 5000 mg/kg bw (rabbit - OECD 402)	LC50 (4h) > 5 mg/l (aerosol) (rat - OECD 403)
zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	LD50 2600 mg/kg (Rat)	LD50 > 3160 mg/kg (Rabbit - OECD 402)	
bis(nonylphenyl)amine	LD50 > 5000 mg/kg (Rat - OECD 401)	LD50 > 2000 mg/kg (Rat - OECD 402)	
C14-16-18 Alkyl phenol	LD50 2000 mg/kg bw (rat)	LD50 2000 mg/kg bw (rat)	

Sensitization Sensitization

Not classified as a sensitizer. Contains sensitizer(s). May produce an allergic reaction. The supplier of one of the components contained within this formulation has indicated that they have data, which confirms that at the concentration used, no sensitisation classification is required.

Specific effects

Carcinogenicity Mutagenicity Reproductive toxicity <u>Repeated Dose Toxicity</u>	This product is not classified carcinogenic. During use in engines, contamination of oil with low levels of combustion products occurs. Used motor oils have been shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water. This product is not classified as mutagenic. This product does not present any known or suspected reproductive hazards.
Subchronic toxicity	No information available.
Target Organ Effects (STOT)	
Other information	
Other adverse effects	Characteristic skin lesions (pimples) may develop following prolonged and repeated exposures (contact with contaminated clothing).



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Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Not classified.

Acute aquatic toxicity - Product Information

No information available.

Acute aquatic toxicity - Component Information

Chemical Name	Toxicity to algae	Toxicity to daphnia and	Toxicity to fish	Toxicity to
		other aquatic invertebrates		microorganisms
Lubricating oils (petroleum),	EL50 (48h) > 100 mg	EL50 (48h) > 10000 mg/l	LL50 (96h) > 100 mg/l	
C20-50, hydrotreated neutral	(Pseudokirchnerella	(Daphnia magna - OECD	(Oncorhynchus mykiss -	
oil-based	subcapitata - OECD 201)	202)	OECD 203)	
72623-87-1		LL50 (24h) > 10000 mg/l		
		(Gammarus pulex - OECD		
		202)		
		LL50 (48h) > 10000 mg/l		
		(Gammarus pulex - OECD		
		202)		
		LL50 (72h) > 10000 mg/l		
		(Gammarus pulex - OECD		
		202)		
		LL50 (96h) > 10000 mg/l		
		(Gammarus pulex - OECD		
		202)		
zinc bis[O-(6-methylheptyl)]	EbC50 (96h) 2.1 mg/l	EL50 (48h) 5.4 mg/l Daphnia	LC50 (96h) 4.5 mg/l	
bis[O-(sec-butyl)]	Selenastrum capricornutum	magna (OECD 202)	Oncorhynchus mykiss	
bis(dithiophosphate)	(OECD 201)		(OECD 203)	
93819-94-4				
bis(nonylphenyl)amine	EC50 (72h) > 100 mg/l	EC50 (48h) > 100 mg/l	LC50 (96h) > 100 mg/l	
36878-20-3	(Desmodesmus subspicatus	(Daphnia magna - OECD	(Brachyanio rerio - OECD	
	- OECD 201)	202)	203)	
C14-16-18 Alkyl phenol		EC50(48h) > 100 mg/l		
^ *		(Daphnia magna - static -		
		OECD202)		

<u>Chronic aquatic toxicity</u> - 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
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based 72623-87-1		NOEL (21d) 10 mg/l (Daphnia magna - OECD 211)	NOEL (14/28d) > 1000 mg/l (Oncorhynchus mykiss - QSAR Petrotox) NOEL (96h) > 100 mg/l (Pimephales promelas - OECD 203)	

Effects on terrestrial organisms

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No information available.***

12.2. Persistence and degradability

General Information

No information available.

12.3. Bioaccumulative potential

Product Information

No information available.***

logPow Component Information No information available*** No information available.***

Chemical Name	log Pow
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based - 72623-87-1	4.1
zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate) - 93819-94-4	0.9
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 v	PvB assessment
PBT and vPvB assessment	No information available.
12.6. Other adverse effect	<u>S</u>
General Information	No information available.***
Section 13: DISPOSAL CON	SIDERATIONS

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.***



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EWC Waste Disposal No.	The following Waste Codes are only suggestions:. 13 02 05. Ac Waste Catalogue, Waste Codes are not product specific, but ap codes should be assigned by the user based on the application used.	pplication specific. Waste	
Section 14: TRANSPORT	INFORMATION		
ADR/RID	Not regulated		
IMDG/IMO	Not regulated		
ICAO/IATA	Not regulated		
ADN	Not regulated		
Section 15: REGULATOR	Y 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

H413 - May cause long lasting harmful effects to aquatic life

H315 - Causes skin irritation

H318 - Causes serious eye damage

H411 - Toxic to aquatic life with long lasting effects

H317 - May cause an allergic skin reaction

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



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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 Skin designation Hazard Designation C: Carcinogen M: Mutagen R: Toxic to reproduction **Revision Date:** 2016-12-29

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 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