



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

SDS # : 082003

EVOLUTION 900 CRV 0W-30

Date of the previous version: 2013-06-14

Revision Date: 2015-05-29

Version 2

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

1.1. Product identifier

Product name	EVOLUTION 900 CRV 0W-30
Number	BV8
Substance/mixture	Mixture

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

Identified uses	Motor oil.
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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 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

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

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

Version EU



SDS # : 082003

EVOLUTION 900 CRV 0W-30

Revision Date: 2015-05-29

Version 2

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

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

Symbol(s)

Not classified***

2.2. Label elements

Labelled according to

REGULATION (EC) No 1272/2008***


Signal Word

WARNING***

Hazard Statements ***

H319 - Causes serious eye irritation***

Precautionary Statements

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***

Contains Calcium sulfonate, Benzene, mono-C10-13-alkyl derivs., fractionation bottoms, heavy ends, sulfonated, calcium salts, Benzene sulfonic acid, mono-C16-24-alkyl derivatives, calcium salts 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

Chemical Name	EC-No	REACH registration No	CAS-No	Weight %	Classification (Dir. 67/548)	Classification (Reg. 1272/2008)
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Version EU

SDS # : 082003

EVOLUTION 900 CRV 0W-30

Revision Date: 2015-05-29

Version 2

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts***	283-392-8	01-2119493626-26	84605-29-8	<1.49	Xi;R38-41 N;R51-53	Aquatic Chronic 2 (H411) Eye Dam. 1 (H318) Skin Irrit. 2 (H315)
Benzenepropanoic acid, 3,5-bis(1,1-dimethyl-ethyl)-4-hydroxy-C7-C9 branched alkyl ester***	406-040-9	no data available	125643-61-0	<1.49	R53	Aquatic Chronic 4 (H413)
Benzene, mono-C10-13-alkyl derivs., fractionation bottoms, heavy ends, sulfonated, calcium salts***	-	no data available	148520-84-7	<0.99	R43***	Skin Sens. 1 (H317) ***
Benzene sulfonic acid, mono-C16-24-alkyl derivatives, calcium salts***	274-263-7	01-2119492616-28	70024-69-0	<0.19	R43	Skin Sens. 1 (H317)
Phenol, dodecyl-, branched***	310-154-3	01-2119513207-49	121158-58-5	<0.149	Xi;R36/38 N;R50-53 Repr.Cat.3;R62	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Eye Irrit. 2 (H319) Repr. 2 (H361f) Skin Irrit. 2 (H315)

Additional information

The product is made from synthetic base oils.

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.

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)***

Chemical Name	CAS-No	SVHC candidates
Ethoxylated nonylphenol	9016-45-9	X***

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 immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist. In case of contact with the hot product, COOL THE EYE IMMEDIATELY AND COPIOUSLY WITH COLD WATER for 10 minutes, keeping the eye open if possible. Take the person to a specialised medical centre.***

Skin contact

Remove contaminated clothing and shoes. Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician. In case of burns, immediately cool affected skin for as long as possible with cold water. However, body hypothermia must be avoided. DO NOT attempt to remove portions of clothing glued to burnt skin but cut round them.***

Inhalation

remove casualty to fresh air and keep at rest in a position comfortable for breathing.***

Ingestion

Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately. If vomiting occurs, the head should be kept low so that the vomit does not enter the lungs (aspiration).***

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

Version EU



SDS # : 082003

EVOLUTION 900 CRV 0W-30

Revision Date: 2015-05-29

Version 2

Eye contact	Causes serious eye irritation. May cause burn in case of contact with product at high temperature.***
Skin contact	Not classified. May produce an allergic reaction. Prolonged contact may cause redness and irritation. Risk of burns (if the product is hot).***
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. Not an expected route of exposure.***

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 (CO₂). Dry chemical powder. Foam. Sand or earth. 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.

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
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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

Version EU



SDS # : 082003

EVOLUTION 900 CRV 0W-30

Revision Date: 2015-05-29

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

Loading / Unloading temperature between 0 °C / 65 °C .

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 at temperature not exceeding 55°C.

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

Version EU



SDS # : 082003

EVOLUTION 900 CRV 0W-30

Revision Date: 2015-05-29

Version 2

Specific use(s) No information available.***

Section 8: EXPOSURE CONTROLS/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
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts*** 84605-29-8			8.31 mg/m ³ Inhalation 12.1 mg/kg Dermal	
Benzenepropanoic acid, 3,5-bis (1,1-dimethyl-ethyl)-4-hydroxy-C7-C9 branched alkyl ester*** 125643-61-0			0.5 mg/kg Dermal 3.5 mg/m ³ Inhalation	
Benzene, mono-C10-13-alkyl derivs., fractionation bottoms, heavy ends, sulfonated, calcium salts*** 148520-84-7			3.33 mg/kg bw/day Dermal 11.75 mg/m ³ Inhalation***	1.03 mg/cm ² Dermal***
Benzene sulfonic acid, mono-C16-24-alkyl derivatives, calcium salts*** 70024-69-0			0.66 mg/m ³ Inhalation 3.33 mg/kg bw/day Dermal	
Phenol, dodecyl-, branched*** 121158-58-5	166 mg/kg bw/day Dermal 44.18 mg/m ³ Inhalation		0.25 mg/kg bw/day Dermal 1.7621 mg/m ³ Inhalation	

DNEL Consumer***

Chemical Name	Short term, systemic effects	Short term, local effects	Long term, systemic effects	Long term, local effects
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts*** 84605-29-8			2.11 mg/m ³ Inhalation 6.1 mg/kg bw/day Dermal 0.24 mg/kg Oral	

Version EU



SDS # : 082003

EVOLUTION 900 CRV 0W-30

Revision Date: 2015-05-29

Version 2

Benzenepropanoic acid, 3,5-bis (1,1-dimethyl-ethyl)-4-hydroxy-C7-C9 branched alkyl ester*** 125643-61-0			0.25 mg/kg Dermal 0.25 mg/kg Oral	
Benzene, mono-C10-13-alkyl derivs., fractionation bottoms, heavy ends, sulfonated, calcium salts*** 148520-84-7			0.8333 mg/kg bw/day Oral 2.9 mg/m ³ Inhalation 1.667 mg/kg bw/day Dermal***	0.513 mg/cm ² Dermal***
Benzene sulfonic acid, mono-C16-24-alkyl derivatives, calcium salts*** 70024-69-0			0.33 mg/m ³ Inhalation 1.667 mg/kg bw/day Dermal 0.8333 mg/kg bw/day Oral	
Phenol, dodecyl-, branched*** 121158-58-5	50 mg/kg bw/day Dermal 13.26 mg/m ³ Inhalation 1.26 mg/kg bw/day Oral		0.075 mg/kg bw/day Dermal 0.79 mg/m ³ Inhalation 0.075 mg/kg bw/day Oral	

Predicted No Effect Concentration (PNEC) ***

Chemical Name	Water	Sediment	Soil	Air	STP	Oral
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts*** 84605-29-8	0.004 mg/l fw 0.0046 mg/l mw 0.045 mg/l or		0.0548 mg/kg dw		100 mg/l	10.67 mg/kg food
Benzenepropanoic acid, 3,5-bis (1,1-dimethyl-ethyl)-4-hydroxy-C7-C9 branched alkyl ester*** 125643-61-0	0.01 mg/l fw 0.001 mg/l mw 1 mg/l or	0.37 mg/kg dw fw 0.037 mg/kg dw mw	3.16 mg/kg		10 mg/l	
Benzene, mono-C10-13-alkyl derivs., fractionation bottoms, heavy ends, sulfonated, calcium salts*** 148520-84-7	1 mg/l fw 1 mg/l mw 10 mg/l or***				1000 mg/l***	16667 mg/kg food***
Benzene sulfonic acid, mono-C16-24-alkyl derivatives, calcium salts*** 70024-69-0	1 mg/l fw 1 mg/l mw 10 mg/l or	723500000 mg/kg dw fw 723500000 mg/kg dw mw	868700000 mg/kg dw		100 mg/l	16.667 mg/kg food

Version EU

SDS # : 082003

EVOLUTION 900 CRV 0W-30

Revision Date: 2015-05-29

Version 2

Phenol, dodecyl-, branched*** 121158-58-5	0.000074 mg/l fw 0.000074 mg/l mw 0.00037 mg/l or	0.226 mg/kg fw dw 0.0266 mg/kg mw dw	0.118 mg/kg dw		100 mg/l	4 mg/kg food
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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

In case of vapours and aerosol formation:, 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.

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

Appearance

limpid

Color

yellow To amber***

Physical State @20°C

liquid

Odor

Slight Petroleum distillates***

Property

Values

Remarks

Method

pH

Not applicable***



SDS # : 082003

EVOLUTION 900 CRV 0W-30

Revision Date: 2015-05-29

Version 2

Boiling point/boiling range ***	> 200*** °C*** > 392*** °F***	ASTM D 1160 ASTM D 1160
Flash point ***	>*** 190*** °C*** >*** 374*** °F***	ASTM D 93*** ASTM D 93***
Evaporation rate		No information available***
Flammability Limits in Air		No information available
Vapor Pressure ***	< *** 0.1*** hPa	@ 20 °C *** ASTM D 5191 ***
Vapor density		No information available***
Density	<*** 875*** kg/m³	@ 15 °C*** ASTM D 1298
Water solubility		Immiscible with water***
Solubility in other solvents		No information available***
logPow		No information available***
Autoignition temperature ***	> *** 300*** °C*** > *** 572*** °F***	*** DIN 51794 *** DIN 51794 ***
Viscosity, kinematic ***	*** 57.2*** mm²/s *** 9.4*** -*** 10***	@ 40 °C *** ASTM D 445 *** ASTM D 445 ***
Explosive properties	mm²/s Not explosive	
Oxidizing Properties	Not applicable	
Possibility of hazardous reactions	Not applicable	

9.2. Other information

Pour point ***	<= *** -36 °C	*** ASTM D 97***
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Section 10: STABILITY AND REACTIVITY10.1. 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.
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Version EU



SDS # : 082003

EVOLUTION 900 CRV 0W-30

Revision Date: 2015-05-29

Version 2

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity Local effects Product Information

- Skin contact** . Not classified. May produce an allergic reaction. Prolonged contact may cause redness and irritation. Risk of burns (if the product is hot).***
- Eye contact** . Causes serious eye irritation. May cause burn in case of contact with product at high temperature.***
- 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. Not an expected route of exposure.***

Acute toxicity - Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts***	LD50 3200 mg/kg (Rat - OECD 401)	LD50 > 2002 mg/kg (Rat - OECD 402)	
Benzenepropanoic acid, 3,5-bis (1,1-dimethyl-ethyl)-4-hydroxy-C7-C9 branched alkyl ester***	LD50 rat > 2000 mg/kg (Rat - OECD 401)	LD50 > 2000 mg/kg (Rat - OECD 402)	
Benzene, mono-C10-13-alkyl derivs., fractionation bottoms, heavy ends, sulfonated, calcium salts***	LD50 >=5000 mg/kg (Rat - OECD401)***	LD50 > = 5000 mg/kg (Rabbit - OECD 402)***	
Benzene sulfonic acid, mono-C16-24-alkyl derivatives, calcium salts***	LD50 > 5000 mg/kg (Rat - OECD 401)	LD50 > 5000 mg/kg (Rabbit - OECD 402)	
Phenol, dodecyl-, branched***	LD50 2700 mg/kg (Rat)	LD50 > 3160 mg/kg (Rat)	

Sensitization

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

Specific effects**Carcinogenicity**

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.

Mutagenicity

This product is not classified as mutagenic.

Reproductive toxicity

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

Chemical Name	European Union
Phenol, dodecyl-, branched*** 121158-58-5	Repr. 2 (H361f)***

Version EU



SDS # : 082003

EVOLUTION 900 CRV 0W-30

Revision Date: 2015-05-29

Version 2

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

Not classified. 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 aquatic environmental hazard classification is required.***

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
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts*** 84605-29-8	ErC50 (72h) 24 mg/l (Desmodesmus subspicatus - OECD 201)	EL50 (48h) 23 mg/l (Daphnia magna - OECD 202)	LL50 (96h) 4.5 mg/l (Oncorhynchus mykiss - OECD 203)	
Benzenepropanoic acid, 3,5-bis (1,1-dimethyl-ethyl)-4-hydroxy-C7-C9 branched alkyl ester*** 125643-61-0	EC50 (72 h) > 3 mg/l Scenedesmus (OECD201)	EC50 (24 h) > 100 mg/l Daphnia magna (OECD 202)	LC50 (96 h) > 74 mg/l Brachydanio rerio (OECD 203)	
Benzene, mono-C10-13-alkyl derivs., fractionation bottoms, heavy ends, sulfonated, calcium salts*** 148520-84-7	ErC50(72h) >= 1000 mg/l (Pseudokirchnerella subcapitata)***	EC50(48h) >= 1000 mg/l (Daphnia magna)***	LC50(96h) >= 1000 mg/l (Pimephales promelas - OECD203)***	
Benzene sulfonic acid, mono-C16-24-alkyl derivatives, calcium salts*** 70024-69-0	EC50 (72h) > 1000 mg/l (Pseudokirchnerella subcapitata - static)	EC50 (48h) > 1000 mg/l (WAF - Daphnia magna - static)	LL50 (96h) > 10000mg/l (WAF - Cyprinodon variegatus - OECD 203)	
Phenol, dodecyl-, branched*** 121158-58-5	EbC50 (72h) 0.15 mg/l (Scenedesmus subspicatus - OECD 201)	EC50(48h) 0.037 mg/l (Daphnia magna - static - OECD 202)	EL50(96h) 40 mg/l Pimephales promelas semi-static (OECD 203)	

Version EU



SDS # : 082003

EVOLUTION 900 CRV 0W-30

Revision Date: 2015-05-29

Version 2

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
Benzenepropanoic acid, 3,5-bis (1,1-dimethyl-ethyl)-4-hydroxy-C7-C9 branched alkyl ester*** 125643-61-0		NOEC (21d) <= 0.01 mg/l Daphnia magna semi static (OECD 211)		
Phenol, dodecyl-, branched*** 121158-58-5		NOEC(21d) 0.0037 mg/l (Daphnia magna - semi-static - OECD 211)		

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
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts*** - 84605-29-8	0.56
Benzenepropanoic acid, 3,5-bis (1,1-dimethyl-ethyl)-4-hydroxy-C7-C9 branched alkyl ester*** - 125643-61-0	9.2
Benzene, mono-C10-13-alkyl derivs., fractionation bottoms, heavy ends, sulfonated, calcium salts*** - 148520-84-7	4.46 - 10.88***
Phenol, dodecyl-, branched*** - 121158-58-5	7.14

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.

12.5. Results of PBT and vPvB assessment

Version EU



SDS # : 082003

EVOLUTION 900 CRV 0W-30

Revision Date: 2015-05-29

Version 2

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.

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***

Version EU



SDS # : 082003

EVOLUTION 900 CRV 0W-30

Revision Date: 2015-05-29

Version 2

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

R38 - Irritating to skin

R41 - Risk of serious damage to eyes

R43 - May cause sensitization by skin contact

R53 - May cause long-term adverse effects in the aquatic environment

R62 - Possible risk of impaired fertility***

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***

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

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H319 - Causes serious eye irritation

H361f - Suspected of damaging fertility

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

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

** Hazard Designation

M: Mutagen

*

C:

R:

Skin designation

Carcinogen

Toxic to reproduction

Revision Date: 2015-05-29

Revision Note *** Indicates updated section.

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

Version EU



SDS # : 082003

EVOLUTION 900 CRV 0W-30

Revision Date: 2015-05-29

Version 2

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

Version EU