



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

SDS # : 30033

FINASOL OSR 51

Date of the previous version: 2013-03-06

Revision Date: 2017-08-21

Version 1.03

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

1.1. Product identifier

Product name	FINASOL OSR 51
Trade name	FINASOL OSR 51
Substance/mixture	Mixture

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

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

Supplier	TOTAL FLUIDES 24, cours Michelet. 92800 PUTEAUX. FRANCE Tel: +33 (0)1 41 35 40 00 Fax: +33 (0)1 41 35 82 88
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For further information, please contact:

Contact Point	Service QSE : Tel : +33 (0)1 41 35 33 64 / Fax : +33 (0)1 41 35 33 50 Emergency number 24h/24h: +33 (0)1 41 35 65 00
E-mail Address	rmfs.fds@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

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REGULATION (EC) No 1272/2008*For the full text of the H-Statements mentioned in this Section, see Section 2.2.***Classification**

Aspiration toxicity - Category 1 - H304

Serious eye damage/eye irritation - Category 1 - H318

2.2. Label elements

Labelled according to REGULATION (EC) No 1272/2008

Contains Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics, docusate sodium

**Signal word**

DANGER

Hazard Statements

H304 - May be fatal if swallowed and enters airways

H318 - Causes serious eye damage

Precautionary Statements

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

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor

P331 - Do NOT induce vomiting

Supplemental Hazard Statements

EUH066 - Repeated exposure may cause skin dryness or cracking

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

Alkaline.

Combustible liquid.

Vapors may form explosive mixtures with air, at high temperatures.

Properties Affecting Health

If swallowed accidentally, the product may enter the lungs due to its low viscosity and lead to the rapid development of very serious pulmonary lesions (medical survey during 48 hours).

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Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixture

Chemical Name	EC-No	REACH registration No	CAS-No	Weight %	Classification (Reg. 1272/2008)
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	926-141-6	01-2119456620-43	^	60-70	Asp. Tox. 1 (H304)
docusate sodium	209-406-4	01-2119491296-29	577-11-7	0.2-5	Skin Irrit. 2 (H315) Eye Dam. 1 (H318)

Additional information

The EC substance definition and related classification & labelling has been developed in the framework of the Regulation (EC) No 1907/2006 (REACH). For information about the related CAS number see section 15 of this MSDS.

15%-30% :. Non-ionic surfactants.

0.2%-5% :. Anionic surfactants.

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 immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Skin contact	Remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes.
Inhalation	In case of exposure to intense concentrations of vapours, fumes or spray, transport the person away from the contaminated zone, keep warm and allow to rest.
Ingestion	If swallowed, do not induce vomiting - seek medical advice. Risk of product entering the lungs on vomiting after ingestion. In this case, the casualty should be sent immediately to hospital.
Protection of First-aiders	Use personal protective equipment.

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

Eye contact	Risk of serious damage to eyes.
Skin contact	Repeated exposure may cause skin dryness or cracking.
Inhalation	The inhalation of vapours or aerosols may be irritating for the respiratory tract and for mucous membranes.
Ingestion	Harmful: If swallowed accidentally, the product may enter the lungs due to its low viscosity and lead to the rapid development of very serious inhalation pulmonary lesions (medical

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survey during 48 hours).
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
May cause central nervous system depression.

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 Foam. Dry powder. Carbon dioxide (CO₂).

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 In case of a large fire or in confined or poorly ventilated spaces, wear full fire resistant protective clothing and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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 Use personal protective equipment.
Evacuate non-essential personnel.
Ensure adequate ventilation, especially in confined areas.
ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
Do not touch or walk through spilled material.

6.2. Environmental precautions

General Information Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills. The product should not be allowed to enter drains, water courses or the soil. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and material for containment and cleaning up

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Methods for cleaning up Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Following product recovery, flush area with water.

6.4. Reference to other sections

Personal Protective Equipment See Section 8 for more detail.

Waste treatment See section 13.

Other information Remove all sources of ignition.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling For personal protection see section 8.
Use only in well-ventilated areas.
Do not breathe vapors or spray mist.
Avoid contact with skin and eyes.

Technical measures Ensure adequate ventilation.

Prevention of fire and explosion Handle away from any source of ignition (open flame and sparks) and heat (hot manifolds or casings).
Design installations (machinery and equipment) to prevent burning product from spreading (tanks, retention systems, interceptors (traps) in drainage systems).
Take precautionary measures against static discharges.

Hygiene measures Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product.
When using, do not eat, drink or smoke.
Do not dry hands with rags that have been contaminated with product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Keep away from heat. Keep at temperatures between 5 and 35 °C. Use only containers, seals, pipes, etc... made in a material suitable for use with aromatic hydrocarbons.

Materials to Avoid Strong acids. Oxidizing agents.

Packaging material Keep only in the original container or in a suitable container for this kind of product: steel , Stainless steel.

7.3. Specific end uses

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits Ingredients with workplace control parameters

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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
docusate sodium 577-11-7			31.3 mg/kg bw/day (dermal) 44.1 mg/m ³ (inhalation)	

DNEL General population

Chemical Name	Short term, systemic effects	Short term, local effects	Long term, systemic effects	Long term, local effects
docusate sodium 577-11-7			18.8 mg/kg bw/day (dermal) 13 mg/m ³ (inhalation) 18.8 mg/kg bw/day (oral)	

Predicted No Effect Concentration (PNEC)

Chemical Name	Water	Sediment	Soil	Air	STP	Oral
docusate sodium 577-11-7	0.0066 mg/l (fw) 0.0007 mg/l (mw) 0.066 mg/l (or)	0.653 mg/kg dw (fw) 0.0653 mg/kg dw (mw)	0.138 mg/kg dw		122 mg/l	

8.2. Exposure controls

Occupational Exposure Controls

Engineering Measures

Apply technical measures to comply with the occupational exposure limits.

Personal Protective Equipment

General Information

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

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye Protection

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

Skin and body protection

Wear suitable protective clothing. Protective shoes or boots.

Hand Protection

Hydrocarbon-proof gloves.
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Environmental exposure controls

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General Information None in normal conditions.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Color		dark brown To black	
Physical State @20°C		liquid	
Odor		Petroleum solvent	
Odor Threshold		No information available	
Property	Values	Remarks	Method
pH	6.5 - 8.5		ASTM D 1172
pH (as aqueous solution)	8	solution (10 %)	ASTM D 1172
Melting point/range		No information available	
Boiling point/boiling range	180 - 240 °C 356 - 464 °F		
Flash point	>= 65 °C >= 149 °F		ISO 2719 ISO 2719
Evaporation rate		No information available	
Flammability Limits in Air		No information available	
Vapor Pressure		No information available	
Vapor density		No information available	
Relative density		No information available	
Density	865 - 885 kg/m ³	@ 20 °C	ISO 12185
Water solubility		No information available	
Solubility in other solvents		No information available	
logPow		Not applicable	
Autoignition temperature		No information available	
Decomposition temperature		No information available	
Viscosity, kinematic	7 - mm ² /s	@ 40 °C	ISO 3104
Explosive properties	Not explosive		
Oxidizing Properties	No information available		
Possibility of hazardous reactions	No data available		

9.2. Other information

Freezing Point No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

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.10.4. Conditions to avoid**Conditions to avoid** Heat, flames and sparks. Take precautionary measures against static discharges.10.5. Incompatible materials**Materials to Avoid** Strong acids. 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.**Section 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**Acute toxicity Local effects Product Information**

Skin contact . Repeated exposure may cause skin dryness or cracking.

Eye contact . Risk of serious damage to eyes.

Inhalation Not classified.
The inhalation of vapours or aerosols may be irritating for the respiratory tract and for mucous membranes.

Ingestion . Harmful: If swallowed accidentally, the product may enter the lungs due to its low viscosity and lead to the rapid development of very serious inhalation pulmonary lesions (medical survey during 48 hours).
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
May cause central nervous system depression.

Acute toxicity - Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	LD50 > 5000 mg/kg bw (rat - OECD 401)	LD50 (24h) > 5000 mg/kg bw (rabbit - OECD 402)	LC50 (8h) > 5000 mg/m ³ (vapour) (rat - OECD 403)
docusate sodium	> 2100 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	

Sensitization**Sensitization** Not classified as a sensitizer.**Specific effects**

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Carcinogenicity Contains no ingredient listed as a carcinogen.
Mutagenicity Contains no ingredient listed as a mutagen.
Reproductive toxicity Contains no ingredient listed as toxic to reproduction.

Repeated Dose Toxicity

Target Organ Effects (STOT)

Specific target organ systemic toxicity (single exposure) No known effect based on information supplied.

Specific target organ systemic toxicity (repeated exposure) No known effect based on information supplied.

Aspiration toxicity The fluid can enter the lungs and cause damage (chemical pneumonitis, potentially fatal).

Other information

Other adverse effects Frequent or prolonged skin contact destroys the lipoid cutaneous layer and may cause dermatitis.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Acute aquatic toxicity - Product Information

Acute aquatic toxicity - Component Information

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Toxicity to microorganisms
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics ^	ErL50 (72h) > 1000 mg/l (Pseudokirchneriella subcapitata - OECD 201) EbL50 (72h) > 1000 mg/l (Pseudokirchneriella subcapitata - OECD 201)	EL50 (48h) > 1000 mg/l (Daphnia magna - OECD 202)	LL50 (96h) > 1000 mg/l (Oncorhynchus mykiss - OECD 203)	-
docusate sodium 577-11-7		EC50 (48h) = 6.6 mg/l Daphnia magna	LC50 (96h) = 49 mg/l Brachydanio rerio (semi-static)	

Chronic aquatic toxicity - Product Information

Chronic aquatic toxicity - Component Information

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Toxicity to microorganisms
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics ^	NOELR (72h) = 1000 mg/l (Pseudokirchneriella subcapitata - biomass - OECD 201)	NOELR (21d) = 1,22 mg/l (Daphnia magna - QSAR Petrotox)	NOELR (28d) = 0,17 mg/l (Oncorhynchus mykiss - QSAR Petrotox)	

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	NOELR (72h) = 1000 mg/l (Pseudokirchneriella subcapitata - growth rate - OECD 201)			
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Effects on terrestrial organisms

No information available.

12.2. Persistence and degradability**General Information**

For : Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics.

Biodegradation							
Type	Method	Sampling time	Specific effects	Values	Unit	Biodegradability	Source
	OECD 301 F	28 days		69	%	Readily biodegradable	

12.3. Bioaccumulative potential**Product Information**

The potential for bioaccumulation of the product in the environment is very low.

logPow

Not applicable

Component Information

Not applicable.

12.4. Mobility in soil**Soil**

Given its physical and chemical characteristics, the product is generally mobile in the ground.

Air

The product evaporates readily.

Water

soluble.

12.5. Results of PBT and vPvB assessment**PBT and vPvB assessment**

This product contains no substance considered as PBT and/or vPvB according to REACH regulation annex XIII criteria.

12.6. Other adverse effects**General Information**

No information available.

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

Dispose of in accordance with the European Directives on waste and hazardous waste.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or

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disposal. Empty containers may contain flammable or explosive vapors.

EWC Waste Disposal No.

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 regulatedIMDG/IMO Not regulatedICAO/IATA Not regulatedADN

UN/ID No	UN9003
Proper shipping name	SUBSTANCES WITH A FLASH-POINT ABOVE 60°C AND NOT MORE THAN 100°C
Proper shipping name	SUBSTANCES WITH A FLASH-POINT ABOVE 60°C AND NOT MORE THAN 100°C
Hazard class	9
Description	UN9003, SUBSTANCES WITH A FLASH-POINT ABOVE 60°C AND NOT MORE THAN 100°C, 9

Section 15: REGULATORY INFORMATION

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Related CAS number 64742-47-8: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Further information

15.2. Chemical Safety Assessment**Chemical Safety Assessment** Not applicable

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

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H318 - Causes serious eye damage

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

* Skin designation

C: Carcinogen

R: Toxic to reproduction

Revision Date: 2017-08-21**Revision Note** (M)SDS sections updated: 1, 3.**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

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