

**Trade name:** WILFARIN DK-1218/ DK1218 RSPO (MB)

**Current version :** 2.2.0, issued: 31.05.2017

**Replaced version:** 2.1.2, issued: 06.07.2016

**Region:** GB

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Trade name**

**WILFARIN DK-1218/ DK1218 RSPO (MB)**

**Identification numbers**

CAS no.	90990-15-1
EC no.	292-776-4

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

**Relevant identified uses of the substance or mixture**

Industrial use

**Uses advised against**

No data available.

### 1.3 Details of the supplier of the safety data sheet

**Address**

WILMAR Europe Trading B.V.  
Central Post – Entrance West, 7th floor  
Delftseplein 27G  
NL-3013 AA Rotterdam

Telephone no.	+31-10-2178800
Fax no.	+31-10-2178801

**Advice on Safety Data Sheet**

sdb\_info@umco.de

### 1.4 Emergency telephone number

For medical advice (in German and English):  
+49 (0)551 192 40 (Giftinformationszentrum Nord)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification information**

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP).  
This product does not meet the classification and labelling criteria given in the Dangerous Substances Directive 67/548/EC (DSD)

### 2.2 Label elements

Not relevant

### 2.3 Other hazards

No data available.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

**Chemical characterization**

Substance name	Fatty acids, C12-18 and C18-unsatd.
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### 3.2 Mixtures

Not applicable. The product is not a mixture.

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

#### After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration.

#### After skin contact

Wash off immediately with soap and water.

#### After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Seek medical assistance.

#### After ingestion

Do not induce vomiting. Call a doctor immediately. Never give anything by mouth to an unconscious person.

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

No data available.

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Foam; Dry chemical extinguisher; Carbon dioxide

#### Unsuitable extinguishing media

No data available.

### 5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO)

### 5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Cool endangered containers with water spray jet.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing.

#### For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

### 6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

### 6.4 Reference to other sections

No data available.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far as possible by the state of the art. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

#### General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Do not inhale vapours. Use barrier skin cream. Avoid contact with eyes. Provide eye wash fountain in work area. Have emergency shower available.

#### Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place.

#### Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Emptied containers may contain product residues and therefore must be handled with care.

Reuse only after appropriate cleaning.

Appropriate Material stainless steel; aluminium; Lithcote LC-19 / Kanigen

#### Advice on storage assembly

Do not store together with: Oxidizing agents

### 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

No parameters available for monitoring.

### 8.2 Exposure controls

#### Appropriate engineering controls

No data available.

#### Personal protective equipment

##### Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust, aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

##### Eye / face protection

Safety glasses with side protection shield (EN 166)

##### Hand protection

Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Protective gloves (EN 455)

Appropriate Material nitrile

##### Other

Normal chemical work clothing.

##### Environmental exposure controls

No data available.

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**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

<b>Form/Colour</b>			
pasty			
light yellow			
<b>Odour</b>			
typical			
<b>Odour threshold</b>			
No data available			
<b>pH value</b>			
Value		3	
Reference temperature		20	°C
<b>Boiling point / boiling range</b>			
Value	>	260	°C
<b>Melting point / melting range</b>			
Value	<	40	°C
<b>Decomposition point / decomposition range</b>			
No data available			
<b>Flash point</b>			
Value	>	154	°C
<b>Auto-ignition temperature</b>			
No data available			
<b>Oxidising properties</b>			
No data available			
<b>Explosive properties</b>			
No data available			
<b>Flammability (solid, gas)</b>			
No data available			
<b>Lower flammability or explosive limits</b>			
No data available			
<b>Upper flammability or explosive limits</b>			
No data available			
<b>Vapour pressure</b>			
Value	<	1	hPa
Reference temperature		22	°C
<b>Vapour density</b>			
No data available			
<b>Evaporation rate</b>			
No data available			
<b>Relative density</b>			
No data available			
<b>Density</b>			
Value		0.87	g/cm <sup>3</sup>
Reference temperature		20	°C
<b>Solubility in water</b>			
Remarks	insoluble		

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Solubility(ies)		
No data available		
Partition coefficient: n-octanol/water		
log Pow	4.6	
Reference substance	CAS 143-07-7	
Viscosity		
Value	11	mPa*s
Reference temperature	45	°C
Type	dynamic	

**9.2 Other information**

Other information
No data available.

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No data available.

**10.2 Chemical stability**

No data available.

**10.3 Possibility of hazardous reactions**

No data available.

**10.4 Conditions to avoid**

None, if handled according to intended use.

**10.5 Incompatible materials**

Oxidizing agents

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

Acute oral toxicity		
LD50	12000	mg/kg
Species	rat	
Reference substance	CAS 143-07-7	
Acute dermal toxicity		
Remarks	No data available.	
Acute inhalational toxicity		
Remarks	No data available.	
Skin corrosion/irritation		
Species	rabbit	
Reference substance	CAS 143-07-7	
Evaluation	slightly irritant	

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<b>Serious eye damage/irritation</b>
No data available
<b>Respiratory or skin sensitisation</b>
No data available
<b>Germ cell mutagenicity</b>
No data available
<b>Reproduction toxicity</b>
No data available
<b>Carcinogenicity</b>
No data available
<b>STOT-single exposure</b>
No data available
<b>STOT-repeated exposure</b>
No data available
<b>Aspiration hazard</b>
No data available
<b>Delayed and immediate effects as well as chronic effects from short and long-term exposure</b>
Eye contact with the product may lead to irritation.

## SECTION 12: Ecological information

### 12.1 Toxicity

<b>Toxicity to fish (acute)</b>			
LC50	35	mg/l	
Duration of exposure	96	h	
Species	Bluegill		
Reference substance	CAS 143-07-7		
<b>Toxicity to fish (chronic)</b>			
No data available			
<b>Toxicity to Daphnia (acute)</b>			
EC50	16.9	mg/l	
Duration of exposure	48	h	
Species	Daphnia magna		
Reference substance	CAS 143-07-7		
<b>Toxicity to Daphnia (chronic)</b>			
No data available			
<b>Toxicity to algae (acute)</b>			
No data available			
<b>Toxicity to algae (chronic)</b>			
No data available			
<b>Bacteria toxicity</b>			
No data available			

### 12.2 Persistence and degradability

<b>Biodegradability</b>	
Reference substance	CAS 143-07-7
Evaluation	readily biodegradable

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Partition coefficient: n-octanol/water	
log Pow	4.6
Reference substance	CAS 143-07-7

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

No data available.

**12.6 Other adverse effects**

No data available.

**12.7 Other information**

Other information
Do not discharge product unmonitored into the environment.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

**Packaging**

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

**SECTION 14: Transport information****14.1 Transport ADR/RID/ADN**

The product is not subject to ADR/RID/ADN regulations.

**14.2 Transport IMDG**

The product is not subject to IMDG regulations.

**14.3 Transport ICAO-TI / IATA**

The product is not subject to ICAO-TI / IATA regulations.

**14.4 Other information**

No data available.

**14.5 Environmental hazards**

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

**14.6 Special precautions for user**

No data available.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Product name	Fatty acids, (C12+)
Pollution category	Y
Ship type	2
Remarks	Tank type: 2G

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**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

In accordance with the Reach regulation (EC) 1907/2006, the product does not contain any substances that are considered as subject to listing in annex XIV, inventory of substances requiring authorisation.

**REACH candidate list of substances of very high concern (SVHC) for authorisation**

In accordance with article 57 and article 59 of the Reach regulation (EC) 1907/2006, this substance is not considered as subject to listing in annex XIV, inventory of substances requiring authorisation ("Authorization list").

**Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES**

The substance is not subject to the provisions of annex XVII (restriction entries) of the Reach regulation (EC) 1907/2006.

**Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

This substance is not subject to Part I or 2 of Annex I

**15.2 Chemical safety assessment**

No data available.

**SECTION 16: Other information****Further information**

List of acronyms:

ATE Acute Toxicity Estimate

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

DNEL Derived No Effect Level

EN European Standard

IATA International Air Transport Association

IBC-Code Internationale code voor de bouw en de uitrusting van schepen die gevaarlijke chemicaliën in bulk vervoeren (IBC-codex)

ICAO-TI Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG International Maritime Dangerous Goods

LC50 Lethal Concentration to 50 % of a test population

LD50 Lethal Dose to 50% of a test population (Median Lethal Dose)

MARPOL Verdrag ter voorkoming van verontreiniging van de zee door zeeschepen

OECD Organization for Economic Co-operation and Development

PBT Persistent, Bioaccumulative and Toxic substance

PNEC Predicted No Effect Concentration(s)

vPvB Very Persistent and Very Bioaccumulative

**Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

**Department issuing safety data sheet**

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.



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