According to EU-regulation no. 1907/2006





## Date: November 23<sup>rd</sup>, 2020

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY UNDERTAKING

Product: FAME-RME low Gardner

Item number: 30-027

Synonyms: Fatty acids, C16-18 and C18 unsatd., Methyl esters

### COMPANY:

UCY business services & tradi	ng GmbH
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Postcode, town:	DE-53347 Alfter
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### **EMERGENCY NUMBER:**

Poison Information Center, Phone +49 551 19240 (24/7)

## 2. HAZARDS IDENTIFICATION

### Classification according to Regulation (EC) No. 1272/2008

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No. 1272/2008 on classification, labeling and packaging of substances and mixtures.

Other Hazards: May cause minor eye irritation. Exposure to high concentrations of vapors produced by heating the substance, or finely misted materials, may cause dizziness and nausea and may irritate the mucous membranes. Environmental Properties Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation Blend of fatty acid methyl esters of vegetable origin. (from rapeseed oil).

# Chemical Family Unknown, or Variable Composition, or of Biological Origin (UVCB) Description Description

Commercialised as fatty acids, rape oil, methyl esters, CAS 85586-25-0.

Chemical Name	EC-No	CAS-No	CLP Annex VI Index No.	Weight %	Classifications
Fatty acids, C16-18 and C18-unsaturated, methyl esters		67762-38-3	not listed	99-100	not listed

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## 4. FIRST AID MEASURES

## Description of first aid measures

Eye Contact Flush eyes with plenty of water for 15 minutes.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

Inhalation Move to fresh air in case of accidental inhalation of vapours or decomposition products. If symptoms persist, call a physician.

**Ingestion** Do not induce vomiting. Rinse mouth thoroughly with water. If conscious, give half a litre of water to drink immediately. Never give anything by mouth to an unconscious person or a person with cramps.

General Advice When symptoms persist or in all cases of doubt seek medical advice.

#### Most important symptoms and affects, both acute and delayed

Eyes May cause slight irritation.

Skin Contact with product at elevated temperatures can result in thermal burns.

Inhalation Avoid breathing vapors or mists. Inhalation of vapors in high concentration may cause irritation of respiratory system.

Ingestion May be harmful if swallowed.

Main Symptoms Nausea. Dizziness. Irritating to respiratory system.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Special forms of treatment and immediate medical attention are not specified. Treat Symptomatically

### 5. FIRE-FIGHTING MEASURES

#### Extinguishing media

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO<sub>2</sub>). Alcohol-resistant foam. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

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

Hazardous Combustion Products Carbon monoxide (CO). Carbon dioxide (CO2).

**Specific Hazards Arising from the Chemical** Risk of ignition. Cool closed containers exposed to fire with water spray. Rags and other materials containing this product may heat and spontaneously ignite, if exposed to air. Store wiping rags and similar materials in metal cans with tightly fitting lids.

#### Advice for fire-fighters

Special protective equipment for fire-fighters In the event of fire, wear self contained breathing apparatus in accordance with EN 137:2006.

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Remove all sources of ignition. Material can create slippery conditions.

#### **Environmental Precautions**

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Store contaminated materials in tightly closed containers until disposal.

Methods and Materials for Containment and Cleaning Up

Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. Large spills should be collected mechanically (remove by pumping) for disposal. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

#### Handling

Ensure adequate ventilation. Do not use pressure to empty drums. Wear personal protective equipment. Avoid prolonged contact with skin.

#### Storage

Keep away from direct sunlight. Keep away from open flames, hot surfaces and sources of ignition. Keep at temperatures between 50-120°F/ 10-49°C. Keep in a dry, cool and well-ventilated place.

UCY business servicves & trading GmbH, Am Villepohl 4, D-53347 Alfter

Registergericht: AG Bonn, HRB 13459, Steuernummer: 222/5719/235, Geschäftsführer: Thilo Schneider

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## Components with workplace control parameters

This product is not known to contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	Austria	Belgium	Bulgaria	Cyprus	Czech Republic
Fatty acids, C16-18 and C18-unsaturated, methyl esters	-	-	-	-	-
vegetable oil mist	-	TWA: 10 mg/m <sup>3</sup> mis	t -	-	-
Chemical Name	Denmark	Estonia	Finland	France	Germany
Fatty acids, C16-18 and C18-unsaturated, methyl esters	-	-	-	-	-
vegetable oil mist	12	5 mg m	2	-	
Chemical Name	Greece	Hungary	Ireland	Italy	Latvia
Fatty acids, C16-18 and C18-unsaturated, methyl esters	-	-	-	1.5	-
vegetable oil mist	-	-	-	-	-
Chemical Name	Lithuania	Luxembourg	Malta	Netherlands	Poland
Fatty acids, C16-18 and C18-unsaturated, methyl esters	-	-	-	-	-
vegetable oil mist	-	12.5	-	-	-
Chemical Name	Portugal	Romania	Slovakia	Slovenia	Spain
Fatty acids, C16-18 and C18-unsaturated, methyl esters	-	-	-	-	-
vegetable oil mist	-	-	-	-	TWA: 10 mg/m <sup>3</sup>
Chemical Name	Sweder	United Kingdo			EU
Fatty acids, C16-18 and C18-unsaturated, methyl esters	-		-		-
vegetable oil mist	-		-		-

## Appropriate Engineering Controls

Ensure adequate ventilation, especially in confined areas. Apply technical measures to comply with the occupational exposure limits. However it is the duty of the user to verify this and follow given exposure limits at the workplace.

## **General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

Personal Protective Equipment Eye Protection If splashes are likely to occur, wear goggles.

Skin and Body Protection Impervious 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. Appropriate body protection should be selected based on activity and possible exposure. Respiratory Protection In case of mist, spray or aerosol exposure wear suitable personal respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light yellow / Green
Form	Liquid
Odor	Mild (typical for vegetable compounds)
Odor Threshold	No information available
pH	8

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Flash Point Autoignition Temperature Boiling point Melting/Freezing Point Decomposition temperature Oxidizing Properties

Water Solubility Surface Tension Evaporation Rate Vapor Pressure Vapor Density Partition Coefficient (n-octanol/water) Explosive Properties 137°C +/- 1°C ( range: 120-180°C) 261°C +/- 5°C. 302.5-570°C at 1atm 6.29°C at 1 atm. (range -16.92°C to +15.59°C) No information available Not oxidizing

< 0.023mg/l (instrumental detection limit) Not relevant. No information available 3.6mBar @20°C (range: 2-6 mBar at 25°C) No information available No information available

Not explosive

## **10. STABILITY AND REACTIVITY**

Stability Stable under normal conditions.
Possibility of Hazardous Reactions None under normal processing.
Conditions to Avoid Keep away from open flames, hot surfaces and sources of ignition.
Incompatible Materials Strong oxidizing agents.
Hazardous Decomposition Products No information available.

## 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity Based on available data, no evidence of acute toxicity							
Chemical Name	Weight %	LD50 Oral	LD50 Dermal	LC50 Inhalation			
Fatty acids, C16-18 and C18-unsaturated, methyl esters	99-100	>5000 mg/kg Rat	>2000 mg/kg Rabbit				
Skin corrosion/irritation	Based on availab	le data, the classificatior	n criteria are not met				
Serious eye damage/eye irritat	ion Based on availab	le data, the classification	n criteria are not met				
Respiratory or skin sensitisati	on Based on availab	Based on available data, the classification criteria are not met					
Germ cell mutagenicity	Based on availab	Based on available data, negative to test/non-mutagenic.					
Carcinogenicity	Based on availab	Based on available data, no evidence of carcinogenicity					
Reproductive toxicity	Based on availab	Based on available data, no evidence of reproductive toxicity					
STOT - single exposure	No evidence of to	No evidence of toxicity					
STOT - repeated exposure	No evidence of to	No evidence of toxicity					
Aspiration hazard	Based on availab	Based on available data, the classification criteria are not met					

 Potential health effects

 Eyes
 May cause slight irritation.

 Skin
 Contact with product at elevated temperatures can result in thermal burns.

 Inhalation
 Avoid breathing vapors or mists. Inhalation of vapors in high concentration may cause irritation of respiratory system.

 Ingestion
 May be harmful if swallowed.

 Main Symptoms
 Nausea. Dizziness. Irritating to respiratory system.



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## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Contains no substances known to be hazardous to the environment. Contains no substances known to be not degradable in waste water treatment plants.

Chemical Name	Fresh Water Algae	Acute Fish Toxicity	Daphnia (Water flea)	Effects on	Other
				micro-organisms	
Fatty acids, C16-18 and	EC50, 72h:	LC50, 96h:	EC50, 48h: 2504mg/L		
C18-unsaturated, methyl	73729mg/L.	100000mg/L (Danio			
esters	(Pseudokirchnerella	rerio)			
	subcapitata)	16702			

Persistence/Degradability Readily biodegradable.

## 13. DISPOSAL CONSIDERATIONS

Whenever possible, as rules and regulations allow, please recycle or manage materials to minimize waste.

## Waste Treatment Methods

Incinerate in approved installation.

## Waste Disposal Methods

Dispose of in compliance with the laws and regulations pertaining to this product in your jurisdiction. Oil soaked materials may spontaneously combust and should be properly managed to avoid ignition and heat sources or oxygen rich environments. Collect and store soaked materials in closed, metal containers to help prevent combustion.

Contaminated Packaging

Empty containers should be decontaminated and taken for local recycling, recovery or waste disposal.

## 14. TRANSPORT INFORMATION

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

IMO / MARPOL Annex II - IBC Code - Noxious Liquid Substances Marpol Annex II & III (bulk) noxious liquid substance: pollution category Y, ship category 2. Packaged: not listed.

### 15. REGULATORY INFORMATION

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

micrinational m											
Chemical Name	EINECS	ELINCS	DSL	NDSL	AICS	CHINA	ENCS	KECL	NZIoC	PICCS	TSCA
							ISHL				
Fatty acids,	Yes	No	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes
C16-18 and	267-015-4							Annex 1			ACTIVE
C18-unsaturated,								(KE-14358			
methyl esters								)			

Chemical Name	Weight %	WGK Classification:
Fatty acids, C16-18 and C18-unsaturated, methyl	99-100	ID Number: 1. Water endangering class = 1:
esters		low hazard.

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## 16. OTHER INFORMATION

#### Abbreviations and acronyms

- ADR European Agreement concerning the International Carriage of Dangerous Goods by Road
- ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- · AICS Australian Inventory of Chemical Substances (Australia)
- CAS Chemical Abstract Service
- CHINA Chinese Inventory of Existing Chemical Substances (China)
- CLP Classification, Labelling and Packaging, Regulation (EC)1272/2008
- DSL Domestic Substance List (Canada)
- EC European Commission
- EC50 Half maximal effective concentration
- EINECS European Inventory of Existing Commercial Chemical Substances (EU)
- ELINCS European List of Notified Chemical Substances (EU)
- ENCS Existing and New Chemical Substances (Japan) / ISHL Industrial Health and Safety Law (Japan)
- IATA International Air Transport Association Dangerous Goods Regulations
- ICAO International Civil Aviation Organisation
- IMDG International Maritime Dangerous Goods Code
- IMO International Maritime Organization
- KECL Korean Existing and Evaluated Chemical Substances (Korea)
- LC50 Lethal concentration that produces fatalities in 50% of a given test population
- LD50 Median lethal dose of a given test population
- NDSL Non Domestic Substances List (Canada)
- NZIoC New Zealand Inventory of Chemicals (New Zealand)
- PICCS Inventory of Chemicals and Chemical Substances (Philippines)
- REACH Registration, Evaluation, Authorisation and Restriction of Chemical substances
- RID Regulations Concerning the International Carriage of Dangerous Goods by Rail
- STEL Short Term Exposure Limit: Concentrations that should not be exceeded except for short periods of time ( usually 15-minutes)
- STOT Specific Target Organ Toxicity
- STV Short Term Value (same as STEL)
- TSCA Toxic Substances Control Act, Section 8(b) Inventory (USA)
- TWA Time Weighted Average: Average concentration that should not be exceeded during a work day (usually 8-hours)
- WGK Wassergefährdungsklasse (German: Water Hazard Class)

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