

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

1.1. Product identifier

Product form : Mixture
Generic name : RADIAGREEN EME SALT
REACH number : all the ingredients of this product in the scope of Regulation 1907/2006/EC (REACH), if not exempted, have been (pre-)registered.
C&L notification reference no. : all the ingredients of this product in the scope of Regulation 1272/2008/EC (CLP), if not exempted, have been notified to the C&L Inventory.

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

1.2.1. Relevant identified uses

Main use category : Industrial use
Industrial/Professional use spec. : wide dispersive use
Industrial category : IC2 - Chemical industry: basic chemicals, IC3 - Chemical industry: chemicals used in synthesis

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

OLEON N.V.
Assenedestraat 2
9940 Ertvelde - Belgium
T +32 9 341 10 11 - F +32 9 341 10 00
sds@oleon.com - www.oleon.com

1.4. Emergency telephone number

Emergency number : +32 3 575 55 55
24/7 EMERGENCY NUMBER (SGS ERS; Oleon contract nr 76858)

Country	Official advisory body	Address	Emergency number
GREECE	Poisons Information Centre Children's Hospital "Aglaia. Kyriakou"	11527Athens	+30 10 779 3777
ICELAND	Iceland Poisons Information Centre Landspítali University Hospital	Fossvogi 108Reykjavik	+354 525 111 +354 543 2222
IRELAND (REPUBLIC OF)	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9Dublin	+353 1 8379964
ISRAEL	Israel Poisons Information Centre Rambam Medical Centre	PO Box 9602 31096Haifa	+972 4 854 1900
UNITED KINGDOM	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BABelfast	0870 600 6266 (UK only),
UNITED KINGDOM	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QHBirmingham	0870 600 6266 (UK only)
UNITED KINGDOM	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XXCardiff	0870 600 6266 (UK only)
UNITED KINGDOM	NPIS Edinburgh (Scottish Poisons Information Bureau) Royal Infirmary of Edinburgh	51 Little France Crescent EH16 4SAEdinburgh	0870 600 6266 (UK only)
UNITED KINGDOM	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ERLondon	0870 243 2241
UNITED KINGDOM	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LPNewcastle	0870 600 6266 (UK only)
WORLDWIDE	World directory of poisons centres (Yellow Tox) WHO-OMS	Website	http://www.who.int/ipcs/poisons/centre/directory/en

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Fatty esters (Constituent)		> 60	Not classified
Specialities (Constituent)		< 40	Not classified

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Fatty esters (Constituent)		> 60	Not classified
Specialities (Constituent)		< 40	Not classified

Full text of R-, H- and EUH-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice.
First-aid measures after inhalation	: Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.
First-aid measures after skin contact	: Rinse with water. Soap may be used. Take victim to a doctor if irritation persists.
First-aid measures after eye contact	: Rinse with water. Take victim to an ophthalmologist if irritation persists.
First-aid measures after ingestion	: Rinse mouth with water. Call Poison Information Centre (www.who.int/ipcs/poisons/centre/directory/en). Consult a doctor/medical service if you feel unwell.

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

Symptoms/injuries	: Unlikely to cause harmful effects.
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4.3. Indication of any immediate medical attention and special treatment needed

No supplementary information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: AFFF foam. BC powder. Carbon dioxide. Dry sand. Dry chemical powder. Adapt extinguishing media to the environment.
Unsuitable extinguishing media	: Solid water jet ineffective as extinguishing medium.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: DIRECT FIRE HAZARD. Combustible. INDIRECT FIRE HAZARD. Heating increases the fire hazard. Temperature above flashpoint: higher fire/explosion hazard.
Explosion hazard	: No direct explosion hazard.
Reactivity	: On burning: release of (carbon monoxide - carbon dioxide).

5.3. Advice for firefighters

Other information	: No supplementary information available.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Mark the danger area. Exposure to heat: have neighbourhood close doors and windows. Exposure to fire/heat: consider evacuation. Wash contaminated clothes.
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6.1.1. For non-emergency personnel

Protective equipment : See "Material-Handling" to select protective clothing.

6.1.2. For emergency responders

Protective equipment : Use protective measures listed in Section 8.

6.2. Environmental precautions

Prevent soil and water pollution.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean contaminated surfaces with an excess of water and soap solution. Take up liquid spill into inert absorbent material, e.g.: dry sand/earth/vermiculite or powdered limestone.

Other information : No supplementary information available.

6.4. Reference to other sections

Handle waste materials in accordance with the provisions of Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling temperature : $\geq 10\text{ }^{\circ}\text{C}$ above melting point

7.2. Conditions for safe storage, including any incompatibilities

Prohibitions on mixed storage : KEEP SUBSTANCE AWAY FROM: heat sources.

Storage area : Keep container in a well-ventilated place. Store at ambient temperature. Keep out of direct sunlight. Meet the legal requirements.

Special rules on packaging : SPECIAL REQUIREMENTS: closing. correctly labelled. meet the legal requirements.

Packaging materials : No supplementary information available.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment : Gloves. Protective clothing. Safety glasses.



Materials for protective clothing : GIVE GOOD RESISTANCE: nitrile rubber.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance (room temperature) : Liquid.

Colour : Yellow to amber.

Odour : Characteristic odour. Sweet odour.

pH : No data available

Melting point : $< -10\text{ }^{\circ}\text{C}$

Boiling point : $> 250\text{ }^{\circ}\text{C}$

Flash point : $> 200\text{ }^{\circ}\text{C}$ (ASTM D92)

Self ignition temperature : $> 300\text{ }^{\circ}\text{C}$

Decomposition temperature : $>$ Flash point

Vapour pressure : No supplementary information available

Density : ca. 1002 kg/m^3 (20°C)

Solubility : Insoluble in water.

Log Pow : > 5

Viscosity, kinematic : ca. $120\text{ mm}^2/\text{s}$ (40°C)

9.2. Other information

VOC content : < 0,1 % (1999/13/EC; 2004/42/EC)
Other properties : Oily. Soluble in oils/fats. soluble in most organic solvents. Insoluble in water.

SECTION 10: Stability and reactivity

10.1. Reactivity

On burning: release of (carbon monoxide - carbon dioxide).

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No supplementary information available.

10.5. Incompatible materials

No supplementary information available.

10.6. Hazardous decomposition products

No supplementary information available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

RADIAGREEN EME SALT	
LD50 oral rat	> 5000 mg/kg Non-toxic

Fatty esters	
LD50 oral rat	> 5000 mg/kg Non-toxic

Specialities	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : According to literature: no environmental hazard.

Ecology - air : No supplementary information available.

Ecology - water : No bioaccumulation data available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

RADIAGREEN EME SALT	
Log Pow	> 5

Fatty esters	
Log Pow	> 5

12.4. Mobility in soil

RADIAGREEN EME SALT

Ecology - soil	No supplementary information available.
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Fatty esters

Ecology - soil	No supplementary information available.
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Specialities

Ecology - soil	No supplementary information available.
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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other information : No supplementary information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal	: Prevent dispersion by covering with dry absorbent, Scoop solid spill into closing containers, Scoop absorbed substance into closing containers, Clean contaminated surfaces with an excess of water and soap solution, Wash clothing and equipment after handling
Regional legislation (waste)	: No supplementary information available.
Ecology - waste materials	: Do not discharge into drains or the environment. Remove to an authorized waste treatment plant.
EURLW code	: No supplementary information available

SECTION 14: Transport information

In accordance with ADR / RID / ADN / IMDG / ICAO / IATA

14.1. UN number

No dangerous good in sense of transport regulations.

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

Transport regulations (ADR)	: Not subject
Transport regulations (RID)	: Not subject
State during transport (ADR-RID)	: Rail and road transport: not subject to ADR-RID

14.6.2. Transport by sea

Transport regulations (IMDG)	: Not subject
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14.6.3. Air transport

Transport regulations (ICAO)	: Not subject
Instruction "cargo" (ICAO)	: Not applicable
Instruction "passenger" (ICAO)	: Not applicable
Instruction "passenger" - Limited quantities (ICAO)	: Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no REACH candidate substance

VOC content : < 0,1 % (1999/13/EC; 2004/42/EC)

15.1.2. National regulations

Chemical inventories : Listed on AICS, DSL, ECST, NZIoC, TSCA, EC inventories

Danish Product Registration Number : 2319737

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Chem. inventories legend : AICS = Australian Inventory of Chemical Substances
DSL = Canadian Domestic Substances List
ECST = Existing Chemical Substances Inventory of Taiwan
NZIoC = New Zealand Inventory of Chemicals
TSCA = USA Toxic Substances Control Act
EC inventories = European Community inventories of chemicals
(EINECS/ELINCS/NLP/REACH)

SDS changed sections : 1 - Identification of the substance/mixture and of the company/undertaking; 12 - Ecological information; 16 - Other information

SDS Reason for revision : confidentiality

Indication of changes:

Training advice : No supplementary information available.

Other information : No supplementary information available.

SDS Oleon Annex II

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.