

### 1. IDENTIFICATION

<b>Product Name</b>	<b>Octyl palmitate</b>
<b>Other Names</b>	2-Ethylhexyl palmitate; TEGOSOFT OP
<b>Uses</b>	Lipophilic emollient for cosmetic formulations.
<b>Chemical Family</b>	No Data Available
<b>Chemical Formula</b>	C24H48O2
<b>Chemical Name</b>	Hexadecanoic acid, 2-ethylhexyl ester
<b>Product Description</b>	No Data Available

#### Contact Details of the Supplier of this Safety Data Sheet

Organisation	Location	Telephone
Redox Pty Ltd	2 Swettenham Road Minto NSW 2566 Australia	+61-2-97333000
Redox Pty Ltd	11 Mayo Road Wiri Auckland 2104 New Zealand	+64-9-2506222
Redox Inc.	3960 Paramount Boulevard Suite 107 Lakewood CA 90712 USA	+1-424-675-3200
Redox Chemicals Sdn Bhd	Level 2, No. 8, Jalan Sapir 33/7 Seksyen 33, Shah Alam Premier Industrial Park 40400 Shah Alam Sengalor, Malaysia	+60-3-5614-2111

#### Emergency Contact Details

*For emergencies only; DO NOT contact these companies for general product advice.*

Organisation	Location	Telephone
Poisons Information Centre	Westmead NSW	1800-251525 131126
Chemcall	Australia	1800-127406 +64-4-9179888
Chemcall	Malaysia	+64-4-9179888
Chemcall	New Zealand	0800-243622 +64-4-9179888
National Poisons Centre	New Zealand	0800-764766
CHEMTREC	USA & Canada	1-800-424-9300 CN723420 +1-703-527-3887

### 2. HAZARD IDENTIFICATION

**Poisons Schedule (Aust)** Not scheduled

#### Globally Harmonised System

**Hazard Classification** NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

**Signal Word** None

### National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

**Dangerous Goods Classification** NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Hexadecanoic acid, 2-ethylhexyl ester	No Data Available	29806-73-3	100 %

## 4. FIRST AID MEASURES

### Description of necessary measures according to routes of exposure

<b>Swallowed</b>	If swallowed: Rinse mouth. Do NOT induce vomiting. If vomiting occurs, keep head lower than hips to prevent aspiration. Immediately call a Poison Centre or doctor/physician. Never give anything by mouth to an unconscious person.
<b>Eye</b>	Eye contact: Rinse thoroughly with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
<b>Skin</b>	Skin contact: Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and shoes, and wash before reuse.
<b>Inhaled</b>	If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Apply resuscitation if victim is not breathing. Administer oxygen if breathing is difficult. If experiencing respiratory symptoms, Call a Poison Centre or doctor/physician.
<b>Advice to Doctor</b>	Treat symptomatically.
<b>Medical Conditions Aggravated by Exposure</b>	No information available.

## 5. FIRE FIGHTING MEASURES

<b>General Measures</b>	Move container from fire area if it can be done without risk. Cool containers with water spray until well after fire is out.
<b>Flammability Conditions</b>	May burn but does not ignite readily.
<b>Extinguishing Media</b>	Use foam, Carbon dioxide, dry powder, water spray.
<b>Fire and Explosion Hazard</b>	Containers may explode when heated.
<b>Hazardous Products of Combustion</b>	Carbon dioxide, Carbon monoxide.
<b>Special Fire Fighting Instructions</b>	Do not inhale explosion and/or combustion gases.
<b>Personal Protective Equipment</b>	Wear self-contained breathing apparatus (SCBA) and chemical splash suit.
<b>Flash Point</b>	>100 °C DIN EN 22719 (DIN 51758)
<b>Lower Explosion Limit</b>	No Data Available
<b>Upper Explosion Limit</b>	No Data Available
<b>Auto Ignition Temperature</b>	No Data Available

Hazchem Code

No Data Available

## 6. ACCIDENTAL RELEASE MEASURES

<b>General Response Procedure</b>	Remove ignition sources. Provide sufficient ventilation. Do not touch or walk through spilled material.
<b>Clean Up Procedures</b>	Take up with inert absorbent material. Dispose of absorbed material in accordance with the regulations.
<b>Containment</b>	Stop leak if safe to do so. Prevent entry into waterways, drains or confined areas.
<b>Decontamination</b>	No information available.
<b>Environmental Precautionary Measures</b>	Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil.
<b>Evacuation Criteria</b>	Spill or leak area should be isolated immediately. Keep unauthorised personnel away.
<b>Personal Precautionary Measures</b>	Use personal protective equipment (see Section 8).

## 7. HANDLING AND STORAGE

<b>Handling</b>	Provide an emergency eye wash fountain and quick drench shower in the immediate work area. Handle in accordance with good industrial hygiene and safety practice. Provide efficient ventilation. Keep away from ignition sources.
<b>Storage</b>	Store in a cool, dry and well-ventilated area. Keep container tightly closed. Keep away from ignition sources. Avoid contact with oxidising materials.
<b>Container</b>	Keep in original container.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>General</b>	Contains no substances with occupational exposure limit values.
<b>Exposure Limits</b>	No Data Available
<b>Biological Limits</b>	No information available.
<b>Engineering Measures</b>	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.
<b>Personal Protection Equipment</b>	Eye protection: Wear splash resistant safety goggles with a face-shield. Hand protection: Wear appropriate chemical resistant (PVC) gloves. Body Protection: Wear appropriate clothes and shoes. A protective ointment is recommended. Respiratory protection: Under conditions of frequent use or heavy exposure, respiratory protection may be needed.
<b>Special Hazards Precautions</b>	No information available.
<b>Work Hygienic Practices</b>	Wash hands before breaks and after work. Do not eat, drink or smoke when working.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid
<b>Appearance</b>	Liquid
<b>Odour</b>	Slight, typical
<b>Colour</b>	Colourless or yellowish
<b>pH</b>	No Data Available
<b>Vapour Pressure</b>	No Data Available

<b>Relative Vapour Density</b>	No Data Available
<b>Boiling Point</b>	No Data Available
<b>Melting Point</b>	-3 °C
<b>Freezing Point</b>	No Data Available
<b>Solubility</b>	Insoluble
<b>Specific Gravity</b>	No Data Available
<b>Flash Point</b>	>100 °C DIN EN 22719 (DIN 51758)
<b>Auto Ignition Temp</b>	No Data Available
<b>Evaporation Rate</b>	No Data Available
<b>Bulk Density</b>	No Data Available
<b>Corrosion Rate</b>	No Data Available
<b>Decomposition Temperature</b>	No Data Available
<b>Density</b>	~0.857 g/cm <sup>3</sup>
<b>Specific Heat</b>	No Data Available
<b>Molecular Weight</b>	No Data Available
<b>Net Propellant Weight</b>	No Data Available
<b>Octanol Water Coefficient</b>	No Data Available
<b>Particle Size</b>	No Data Available
<b>Partition Coefficient</b>	No Data Available
<b>Saturated Vapour Concentration</b>	No Data Available
<b>Vapour Temperature</b>	No Data Available
<b>Viscosity</b>	No Data Available
<b>Volatile Percent</b>	No Data Available
<b>VOC Volume</b>	No Data Available
<b>Additional Characteristics</b>	No Data Available
<b>Potential for Dust Explosion</b>	Not applicable.
<b>Fast or Intensely Burning Characteristics</b>	No information available.
<b>Flame Propagation or Burning Rate of Solid Materials</b>	No information available.
<b>Non-Flammables That Could Contribute Unusual Hazards to a Fire</b>	No information available.
<b>Properties That May Initiate or Contribute to Fire Intensity</b>	May burn but does not ignite readily.
<b>Reactions That Release Gases or Vapours</b>	In the event of fire: Carbon dioxide, Carbon monoxide.
<b>Release of Invisible Flammable Vapours and Gases</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	The product is stable under normal conditions.
<b>Conditions to Avoid</b>	Avoid heat, flames, sparks and other sources of ignition.
<b>Materials to Avoid</b>	Avoid oxidising materials.
<b>Hazardous Decomposition Products</b>	In the event of fire: Carbon dioxide, Carbon monoxide.
<b>Hazardous Polymerisation</b>	Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**General Information** Proper use provided, no adverse health effects have been observed or reported.

### **Acute**

#### **Ingestion**

Acute Oral Toxicity:  
- Mouse, LD50: >5,000 mg/kg  
- Rat, LD50: >5,000 mg/kg  
Method: OECD Test Guideline 401

#### **Inhalation**

Acute Inhalation Toxicity:  
- Rat, LC50 (4 h): >5.7 mg/L (dust/mist)  
Method: OECD 436

#### **Other**

Acute Dermal Toxicity:  
- Rat, LD50: >2,000 mg/kg  
Method: OECD Test Guideline 402

#### **Skin Irritant**

Skin corrosion/irritation:  
- Species: Rabbit (24 h)  
- Result: Non-irritant  
- Method: OECD 404

#### **Eye Irritant**

Eye damage/irritation:  
- Species: Rabbit  
- Result: Non-irritant  
- Method: OECD 405

#### **Sensitisation**

Respiratory/skin sensitisation:  
- Species: Mouse  
- Result: Non-sensitising  
- Method: OECD 429

**Carcinogen Category** None

## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

Aquatic Toxicity:  
- Fish (Species: other), LC50 (96 h): >100 mg/L  
- Fish, static (Zebra fish), LL50 (96 h): >100 mg/L (OECD 203)  
- Invertebrates (Daphnia magna), EC50 (96 h): >100 mg/L  
- Invertebrates, static (Daphnia magna), EL50 (48 h): >100 mg/L (OECD 202)  
- Aquatic plants, growth rate (Pseudokirchneriella subcapitata), NOEC (72 h): >100 mg/L (OECD 201)  
- Aquatic plants, growth rate (Pseudokirchneriella subcapitata), ErL50 (72 h): >100 mg/L (OECD 201)  
- Microorganisms (Pseudomonas putida), EC50 (16 h): >100 mg/L  
(The product was tested above its maximum solubility).

### **Persistence/Degradability**

Biological degradability: 67% (Aerobic)  
Exposure duration: 28 d  
Results: Readily biodegradable  
Method: OECD 301 C

### **Mobility**

No information available.

### **Environmental Fate**

The product is considered to be a weak water pollutant. Do not allow to enter soil, waterways or waste water canal.

### **Bioaccumulation Potential**

No information available.

### **Environmental Impact**

No Data Available

## 13. DISPOSAL CONSIDERATIONS

### **General Information**

Dispose of waste product/contaminated packaging in accordance with local authority regulations. Take to a special waste incineration plant.

### **Special Precautions for Land Fill**

If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

## 14. TRANSPORT INFORMATION

### Land Transport (Australia)

ADG

<b>Proper Shipping Name</b>	Octyl palmitate
<b>Class</b>	C2 Combustible Liquids - Flash Point >93°C, Closed Cup, Not Excluded Flammable
<b>Subsidiary Risk(s)</b>	No Data Available No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available

### Land Transport (Malaysia)

ADR

<b>Proper Shipping Name</b>	Octyl palmitate
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available

### Land Transport (New Zealand)

NZS5433

<b>Proper Shipping Name</b>	Octyl palmitate
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available

### Land Transport (United States of America)

US DOT

<b>Proper Shipping Name</b>	Octyl palmitate
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available

### Sea Transport

IMDG Code

<b>Proper Shipping Name</b>	Octyl palmitate
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>EMS</b>	No Data Available
<b>Marine Pollutant</b>	No

#### Air Transport

IATA

<b>Proper Shipping Name</b>	Octyl palmitate
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available

#### National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

<b>Dangerous Goods Classification</b>	NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)
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### 15. REGULATORY INFORMATION

<b>General Information</b>	No Data Available
<b>Poisons Schedule (Aust)</b>	Not scheduled

#### Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

<b>Approval Code</b>	Not Hazardous
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#### National/Regional Inventories

<b>Australia (AICS)</b>	Listed
<b>Canada (DSL)</b>	Listed
<b>Canada (NDSL)</b>	Not Listed
<b>China (IECSC)</b>	Listed
<b>Europe (EINECS)</b>	249-862-1
<b>Europe (REACH)</b>	01-2119974122-42-
<b>Japan (ENCS/METI)</b>	2-798

<b>Korea (KECI)</b>	KE-13809
<b>Malaysia (EHS Register)</b>	Not Listed
<b>New Zealand (NZIoC)</b>	Listed
<b>Philippines (PICCS)</b>	Listed
<b>Switzerland (Giftliste 1)</b>	Not Determined
<b>Switzerland (Inventory of Notified Substances)</b>	Not Determined
<b>Taiwan (NCSR)</b>	Listed
<b>USA (TSCA)</b>	Listed

## 16. OTHER INFORMATION

<b>Related Product Codes</b>	OCPALM1000, OCPALM1001, OCPALM1002, OCPALM1003, OCPALM1004, OCPALM1005, OCPALM2000, OCPALM2010, OCPALM3000, OCPALM4000, OCPALM5000, OCPALM5100
<b>Revision</b>	4
<b>Revision Date</b>	26 May 2014
<b>Reason for Issue</b>	Updated SDS
<b>Key/Legend</b>	<p>&lt; Less Than &gt; Greater Than  <b>AICS</b> Australian Inventory of Chemical Substances  <b>atm</b> Atmosphere  <b>CAS</b> Chemical Abstracts Service (Registry Number)  <b>cm<sup>2</sup></b> Square Centimetres  <b>CO<sub>2</sub></b> Carbon Dioxide  <b>COD</b> Chemical Oxygen Demand  <b>deg C (°C)</b> Degrees Celcius  <b>EPA (New Zealand)</b> Environmental Protection Authority of New Zealand  <b>deg F (°F)</b> Degrees Farenheit  <b>g</b> Grams  <b>g/cm<sup>3</sup></b> Grams per Cubic Centimetre  <b>g/l</b> Grams per Litre  <b>HSNO</b> Hazardous Substance and New Organism  <b>IDLH</b> Immediately Dangerous to Life and Health  <b>immiscible</b> Liquids are insoluable in each other.  <b>inHg</b> Inch of Mercury  <b>inH<sub>2</sub>O</b> Inch of Water  <b>K</b> Kelvin  <b>kg</b> Kilogram  <b>kg/m<sup>3</sup></b> Kilograms per Cubic Metre  <b>lb</b> Pound  <b>LC50</b> LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.  <b>LD50</b> LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.  <b>ltr</b> or <b>L</b> Litre  <b>m<sup>3</sup></b> Cubic Metre  <b>mbar</b> Millibar  <b>mg</b> Milligram  <b>mg/24H</b> Milligrams per 24 Hours  <b>mg/kg</b> Milligrams per Kilogram  <b>mg/m<sup>3</sup></b> Milligrams per Cubic Metre  <b>Misc</b> or <b>Miscible</b> Liquids form one homogeneous liquid phase regardless of the amount of either component present.  <b>mm</b> Millimetre  <b>mmH<sub>2</sub>O</b> Millimetres of Water  <b>mPa.s</b> Millipascals per Second  <b>N/A</b> Not Applicable  <b>NIOSH</b> National Institute for Occupational Safety and Health  <b>NOHSC</b> National Occupational Heath and Safety Commission</p>



**OECD** Organisation for Economic Co-operation and Development  
**Oz** Ounce  
**PEL** Permissible Exposure Limit  
**Pa** Pascal  
**ppb** Parts per Billion  
**ppm** Parts per Million  
**ppm/2h** Parts per Million per 2 Hours  
**ppm/6h** Parts per Million per 6 Hours  
**psi** Pounds per Square Inch  
**R** Rankine  
**RCP** Reciprocal Calculation Procedure  
**STEL** Short Term Exposure Limit  
**TLV** Threshold Limit Value  
**tne** Tonne  
**TWA** Time Weighted Average  
**ug/24H** Micrograms per 24 Hours  
**UN** United Nations  
**wt** Weight