

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name:** STEARIC ACID**CAS number:** 57-11-4**EINECS number:** 200-313-4**Product code:** A69709, R04105**Synonyms:** OCTADECANOIC ACID**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.3. Details of the supplier of the safety data sheet****Company name:** Philip Harris Ltd

2 Gregory Street

Hyde

Cheshire

SK14 4HR

United Kingdom

**Tel:** +44 (0)845 1200 506**Fax:** +44 (0)161 367 2140**Email:** [enquiries@philipharris.co.uk](mailto:enquiries@philipharris.co.uk)**1.4. Emergency telephone number****Emergency tel:** +44 (0) 845 1200 506**Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** This product has no classification under CLP.**2.2. Label elements****Label elements:** This product has no label elements.**2.3. Other hazards****Section 3: Composition/information on ingredients****3.1. Substances****Chemical identity:** STEARIC ACID**Section 4: First aid measures**

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### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water. If unconscious, check for breathing and apply artificial respiration if necessary. Consult a doctor.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. Consult a doctor.

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

**Skin contact:** May be harmful if absorbed through skin. May cause skin irritation.

**Eye contact:** There may be irritation and redness.

**Ingestion:** May be harmful if swallowed.

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

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

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Water spray. Carbon dioxide. Alcohol resistant foam. Dry chemical powder.

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

**Exposure hazards:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus.

## Section 6: Accidental release measures

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

**Personal precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers.

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

**Clean-up procedures:** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable closed containers for disposal.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 13 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid contact with skin & eyes. Avoid formation of dust & aerosols. Avoid exposure -

[cont...]

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obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed.

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

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Recommended storage temperature: 2-8°C

### 7.3. Specific end use(s)

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### 8.1. DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Respiratory protection:** Respiratory protection not required. Where protection from nuisance levels of dust are desired, use type P1 (EN143) dust masks. Use respirators and components tested and approved under appropriate government standards such as CEN (EU).

**Hand protection:** Use nitrile rubber gloves with a breakthrough time of 480 minutes.

**Eye protection:** Safety glasses with side-shields.

**Skin protection:** The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Solid

**Colour:** No data available

**Odour:** No data available

**Evaporation rate:** No data available

**Oxidising:** No data available

**Solubility in water:** No data available

**Viscosity:** 12 mm<sup>2</sup>/s at 70°C

**Boiling point/range°C:** 361°C

**Melting point/range°C:** 67 - 72°C

**Flash point°C:** 113°C

**Vapour pressure:** 1hPa at 173.7°C

**Relative density:** 0.845 g/cm<sup>3</sup>

### 9.2. Other information

**Other information:** No data available.

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### Section 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity:** No data available.

#### 10.2. Chemical stability

**Chemical stability:** Stable under recommended storage conditions

#### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** No data available.

#### 10.4. Conditions to avoid

**Conditions to avoid:** No data available

#### 10.5. Incompatible materials

**Materials to avoid:** Bases. Oxidising agents. Reducing agents.

#### 10.6. Hazardous decomposition products

**Haz. decomp. products:** No data available.

### Section 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Toxicity values:

Route	Species	Test	Value	Units
IVN	MUS	LD50	23	mg/kg
IVN	RAT	LD50	21500	µg/kg
ORL	RAT	LDLO	4640	mg/kg

#### Symptoms / routes of exposure

**Skin contact:** May be harmful if absorbed through skin. May cause skin irritation.

**Eye contact:** There may be irritation and redness.

**Ingestion:** May be harmful if swallowed.

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

### Section 12: Ecological information

#### 12.1. Toxicity

**Ecotoxicity values:** No data available.

#### 12.2. Persistence and degradability

**Persistence and degradability:** No data available.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No data available.

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## 12.4. Mobility in soil

**Mobility:** No data available.

## 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT substance.

## 12.6. Other adverse effects

**Other adverse effects:** No data available.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Disposal of packaging:** Dispose of as unused product.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

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

### 15.2. Chemical Safety Assessment

## Section 16: Other information

### Other information

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.