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## MATERIAL SAFETY DATA SHEET PALM FREE STEARIC ACID

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & COMPANY

#### 1.1 Product Identifier

Product name:	Palm Free Stearic Acid (PHC 0282)
REACH registered name:	Stearic Acid
REACH registered No:	01-2119543894-28
CAS number:	57-11-4
EC number:	200-313-4

#### 1.2 Use of substance

Intended uses:	Chemical, Cosmetic, Industrial and Personal Care as a raw material for further processing
Uses advised against:	No information available

#### 1.3 Supplier Details

Name:	Poth Hille & Co. Ltd
Address:	18 Easter Ind. Park, Ferry Lane South, Rainham, Essex, RM13 9BP
Phone Number:	+44 1708 526828 (Monday - Friday 08.00-17.00)
Fax Number:	+44 1708 525695
Email:	<a href="mailto:info@poth-hille.co.uk">info@ poth-hille.co.uk</a>

1.4 Emergency Number	+44 1708 526828 (Monday - Friday 08.00-17.00)
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### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the Substance of Mixture:

Does not contain any components which are hazardous according to CLP Regulation 1272/2008/EC

#### 2.2 Label Elements:

Does not require a hazard warning label in accordance with CLP Regulation 1272/2008/EC.

#### 2.3 Other Hazards:

PBT: This product is not identified as a PBT/ vPvB Substance according to REACH Annex XIII.  
Hot liquid may cause thermal burns.

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3. **COMPOSITION/INFORMATION ON THE COMPOSITION**

**3.1 Substances**

Substance Name	CAS-No	EC Number	REACH Reg No
Stearic Acid	57-11-4	200-313-4	01-2119543894-28

**3.2 Mixtures**

Not applicable

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4. **FIRST AID MEASURES**

**4.1 Description of First Aid Measures**

General information: Remove contaminated/saturated clothing. In case of accident or illness seek medical advice immediately.

Inhalation: Remove the affected person to fresh air, keep warm and rest. If recovery is not rapid, seek medical advice.

Skin Contact: Wash the affected parts of the body with soap and water. No emergency measures are necessary but if adverse skin effects follow, seek medical advice.

Eye Contact: Flush eyes immediately with fresh water for at least 5 minutes while holding the eyelids open. No emergency measures are necessary but if adverse eye effects follow, seek medical advice.

Ingestion: Do not induce vomiting. No emergency measures are necessary but if adverse health effects follow or large amounts are swallowed, seek medical advice.

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

Inhalation: Sore throat, Cough

Skin Contact: No information available

Eye Contact: No information available

Ingestion: Abdominal pain

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

In contact with or splashed by melted product, quickly cool area with water.

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5. **FIRE-FIGHTING MEASURES**

**5.1 Extinguishing media**

Suitable extinguishing media: Foam, Dry Chemical Powder, Carbon Dioxide.

Unsuitable extinguishing media: Water.

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

Slight flammability hazard when exposed to heat or flame. During a fire, toxic gases (carbon monoxide, nitrous gases) may be generated by thermal decomposition or combustion.

**5.3 Advice for firefighters**

Only suitably trained personnel should attempt to tackle fires. Breathing apparatus and protective clothing should be worn. Do not remain in the immediate vicinity without respiratory protective equipment and protective clothing.

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**6. ACCIDENTAL RELEASE**

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

For non-emergency personnel: Wear suitable protective clothing. See section 8. Stop leak if safe to do so. Remove sources of ignition.

For emergency responders: Wear suitable protective clothing and breathing apparatus. See section 8. Stop leak if safe to do so. Remove sources of ignition

**6.2 Environmental precautions**

Water may be used to flush spills away from sources of ignition. Prevent spreading by damming. Do not allow the product to enter public drainage system or open water course. Avoid release to the environment.

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

Containment: Stop leak if safe to do so. Use damming system to prevent spreading.

Cleaning up: Use sand or active clay to absorb spilled substance and remove to containers for disposal. When in liquid state, cool and allow to solidify.

**6.4 Reference to other sections**

See sections 8 and 13

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**7. HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

Recommendations: Handle in accordance with GMP and safety procedures. The molten product can cause severe burns. Use product in well ventilated areas. Use personal protective equipment as required.

General advice: Do not eat or drink in immediate vicinity. Wash hands after use. Remove any contaminated clothing before eating or drinking.

**7.2 Conditions for safe storage including any incompatibilities**

Keep material sealed, dry and out of direct sunlight. Avoid heat and ignition sources. Store in original containers or other high density polyethylene containers which are sealable and clearly labelled. Clean up spilled material immediately.

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### 7.3 Specific end use(s)

No data available

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## 8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

### 8.1 Control Parameters

TWA TLV (ACGIH):	No data available
DNEL:	Dermal 10 mg/kg bw/d, Inhalative 17.632 mg/m <sup>3</sup>
PNEC:	No data available
PEL:	No data available
REL:	No data available

### 8.2 Exposure Controls

Appropriate engineering measures:	Facilities storing or utilising this material should be equipped with an eyewash facility.
Eye protection:	Wear appropriate eye protection with side shields (EN166).
Skin protection:	Use impervious gloves (EN374). PVC is suitable for casual contact. If direct contact for more than 2 hours then Neoprene or nitrile gloves recommended.
Respiratory protection:	Inhalation of the vapour, fumes or mists should be avoided by safe working practices and good ventilation.
Thermal Hazards:	Thermal hazards only applicable when material is heated. Use appropriate heat resistant gloves.
Environmental Exposure Controls:	See sections 6, 7, 12 and 13.

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## 9. **PHYSICAL & CHEMICAL PROPERTIES**

### 9.1 Information on basic chemical and physical properties

Appearance:	Liquid (at elevated temperature) Solid (at ambient temperature)
Odour:	No data available
Odour Threshold:	No data available
pH:	No data available
Melting point/Congelation point:	64.9-69.3°C
Initial boiling point/range:	>300°C
Flash point:	200°C
Evaporation rate:	No data available
Flammability (solid, gas):	Not flammable
Explosion Limits:	Does not present an explosion hazard
Vapour pressure:	8.54E-8 hPa
Vapour density:	No data available
Relative density (at 20°C):	0.87 g/cm <sup>3</sup>
Solubility in water:	5E-5 g/L
Solubility in other solvents:	No data available
Partition coefficient n-octanol/water:	8.23 log Pow

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Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity (Kinematic, at 70°C):	12mm <sup>2</sup> /s
Explosive properties:	No data available
Oxidizing properties:	No data available

## **9.2 Other information**

No data available

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## **10. STABILITY AND REACTIVITY**

### **10.1 Reactivity**

Not reactive under normal storage and handling conditions (see section 7). May react with strong oxidising agents, especially at high temperatures.

### **10.2 Chemical stability**

Stable under normal storage and handling conditions.

### **10.3 Possibility of hazardous reactions**

No hazardous reactions are expected to occur under normal storage and handling conditions.

### **10.4 Conditions to avoid**

Extremes of temperature (preferably, store between 5 and 39°C). The product is combustible when heated >300°C.

### **10.5 Incompatible materials**

May react with strong oxidants, reducing agents and alkalis.

### **10.6 Hazardous decomposition products**

Thermal decomposition or incomplete combustion may produce carbon monoxide, nitrous gases and irritating fumes.

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## **11. TOXICOLOGICAL INFORMATION**

### **11.1 Information on toxicological effects**

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

#### **Acute toxicity**

Oral: LD50 >5000mg/kg bw (rat)

Dermal: LD50 >2000mg/kg bw (rabbit)

#### **Skin corrosion/irritation**

Not classified as corrosive/irritant to skin - based on available data, the classification criteria are not met.

#### **Serious eye damage/eye irritation**

Not classified as irritant to the eye - based on available data, the classification criteria are not met.

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**Respiratory or skin sensitisation**

Not classified as a respiratory or skin sensitizer - based on available data, the classification criteria are not met.

**Germ cell mutagenicity**

Not classified as a germ cell mutagenic or carcinogenic - based on available data, the classification criteria are not met.

**Reproductive toxicity**

Not classified as a Reproductive Toxicant - based on available data, the classification criteria are not met.

- **Specific target organ toxicity – single exposure**

Not classified as a specific target organ toxicant (single exposure)

- **Specific target organ toxicity – repeated exposure**

Not classified as a specific target organ toxicant (repeated exposure)

**Aspiration hazard**

Not classified as presenting an aspiration hazard - based on available data, the classification criteria are not met.

**Likely routes of exposure**

Skin/eye exposure – no adverse health effects expected.

**Symptoms related to the physical, chemical and toxicological characteristics**

- **If swallowed**

No data available

- **If inhaled**

No data available

- **If on skin**

No data available

**Delayed and chronic effects from short and long-term exposure**

No data available

**Other information**

No data available

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12. **ECOLOGICAL INFORMATION**

**12.1 Toxicity**

LC50 (48h) (static) >10000mg/L (Leuciscus idus)

**12.2 Persistence and degradability**

Readily biodegradable. Biological degradation: 72% after 28 days

**12.3 Bioaccumulation potential**

Not expected. BCF: 10 < 300

**12.4 Mobility in soil**

Non-volatile and absorption into soil solid phase not expected.

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**12.5 Results of PBT & vPvB assessment**

Not identified as a PBT/ vPvB Substance according to REACH Annex XIII.

**12.6 Other adverse effects**

No data available

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**13. DISPOSAL CONDITIONS**

**13.1 Waste treatment methods**

Treat in accordance with EU directive 2008/98/EC. Transport to authorised waste location, or incinerate under controlled conditions (EU Directives 2000/76/EC and 1999/31/EC apply). Do not dispose to drains or sewage systems.

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**14. TRANSPORT INFORMATION**

**14.1 UN number**

Not classified

**14.2 UN Proper shipping name**

Not Classified

**14.3 Transport Hazard Class(es)**

Not Classified

**14.4 Packing Group**

Not Classified

**14.5 Environmental Hazards**

None

**14.6 Special Precautions for user**

None

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code**

None

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**15. REGULATORY INFORMATION**

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

EU Regulations: Regulation [EC] 1272/2008 including amendments  
Regulation [EC] 1907/2006 including amendments (EC 2015/830)

**15.2 Chemical Safety Assessment**

The supplier has not performed a chemical safety assessment of this substance.

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16. **OTHER INFORMATION**

**Indication of changes:** All sections revised according to Regulation [EC] No 1272/2008 [CLP] in preparation for the 1 June 2015 deadline.

V1 – Document created

**Abbreviations & Acronyms:**

ACGIH:	American Conference of Governmental Industrial Hygienists
CAS No:	Chemical Abstract Service number
CLP:	Classification Labelling and Packaging Regulation
DNEL:	Derived No Effect Level
EC:	European Commission
EC No:	European Chemical Number – EINECS – ELINCS
ECHA:	European Chemical Agency
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
ES:	Exposure Scenario
LD50:	Median Lethal Dose
LC50:	Median Lethal Concentration
PEL:	Permissible Exposure Limit
PNEC:	Predicted No Effect Level
REACH:	Registration, Evaluation, Authorisation & restriction of Chemicals
REL:	Recommended Exposure Limit
TLV:	Threshold Limit Value
TWA:	Time Weighted Average

**Hazard Statements/Precautionary statements:**

None

The information contained herein is for health and safety guidance only and does not constitute a product specification. It is, to the best of our knowledge and belief accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.