

**1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY**

**Product Identification**

Product Name : Palmitic Acid - Butterfat Extra Flakes, Butterfat Extra Prills and Butterfat Silver Prills  
Trade Name : MASCID 1680, MASCID 1681, MASCID 1692, MASCID 1695, MASCID 1698  
Other Identifier : Hexadecanoic Acid  
Recommended Use : chemical intermediate for metallic palmitate, soap, lube oils, animal feed food additives.

**Company Identification**

Distributor Name: : Pestell Minerals & Ingredients Inc.  
Address : 141 Hamilton Road  
New Hamburg, ON  
N3A 2H1 Canada  
Telephone Number : (1) 519-662-2877  
Fax Number : (1) 519-662-4234  
Email Address : qa@pestell.com  
Emergency Telephone Number : CANUTEC (24hs) 613-996-6666

**2. HAZARD IDENTIFICATION**

GHS Classification  
Physical Hazard : Not classified as hazardous substance  
Health Hazard : Not classified as hazardous substance  
Environmental Hazard : Not classified as hazardous substance

GHS Label Element  
Hazard Symbol : None  
Signal Word : None  
Hazard Statement : None  
Precautionary Statement : None

Other Hazard : No information available

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### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

#### Substance

Chemical Name	: Hexadecanoic Acid
Synonym	: None
CAS No	: 57-10-3
EINECS No	: 200-312-9
Ingredients or impurities that contribute to hazard	: This product doesn't have impurities that contribute to the hazard classification

### 4. FIRST AID MEASURES

Eye Contact	: Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Check for and remove any contact lenses. If you feel unwell and in case of irritation seek medical attention.
Skin Contact	: Wash skin with soap and water upon contact. Remove contaminated clothing. If irritation develops, get medical attention. Wash clothing before reuse.
Ingestion	: Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink.
Inhalation	: Remove patient from exposure. Obtain medical attention if ill effects occur.
Most important symptoms/effects, acute and delayed	: No information available
Indication of immediate medical attention and special treatment needed	: No information available

### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing Media	: Dry powder, carbon dioxide or foam.
Unsuitable extinguishing Media	: Water jet.
Specific hazards arising from the substance or mixture	: Combustible, keep away from open flame, no smoking. Liquid product may have temperature exceeding 50 °C
Special protective equipment for fire-fighters	: Use self-contained breathing equipment if in confined place.
Special protective action for fire-fighters	: Keep away from source of ignition and use appropriate extinguishing media. Fight fire from upwind position if possible.

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### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Avoid contact with skin and eyes. Use gloves, face shield.
- Environmental precautions : Do not allow to flow into drainage system.
- Methods and materials for containment and cleaning up : Collect leakage in sealable containers, soak up with sand or other inert absorbent and remove to safe place. Wash site with sodium bicarbonate solution or soda ash. Can also allow spillage to solidify, then shovel into containers. Clean up area immediately.  
Dispose off in accordance with local, state and federal regulation.

### 7. HANDLING AND STORAGE

- Precautions for safe handling : Avoid open flames. Use gloves and wear goggles when handling. When using do not eat, drink or smoke. Avoid contact with skin and eyes.
- Conditions for safe storage including any incompatibilities : Keep only in the original container in a cool, well ventilated place.  
Do not store together with : Oxidizing agents, Alkalis.  
Protect against : heating, UV-solarization/sunlight.
- Keep in a cool and dry place, avoid extreme heat and cold. Store in clean, dry preferably stainless steel vessels. In bulk, store at about 10°C above melting point or ambient. Temperature higher than necessary degrades quality at rates dependent on time and temperature of exposure. Exposure to ultraviolet light and sunlight must be minimized to prevent quality loss.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Control parameters
- Appropriate engineering controls : Facilities storing or utilizing this materials should be equipped with an eyewash facilities and safety shower
- Individual protection measures, such as personal protective equipment
- Eye/Face Protection : Tightly sealed safety glasses.
- Skin Protection : Hand protection : Recommended protective gloves are Butyl rubber, NBR (Nitrile rubber), PVC (Polyvinyl chloride).
- Respiratory Protection : If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.
- Thermal Hazards : Not applicable
- Environmental exposure controls : Do not empty into drains or the aquatic environment.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Basic Information

Appearance	
Physical State	: Solid
Colour	: Waxy crystalline solid
Odour	: Faint fatty odour
Odour threshold	: No information available
pH	: No information available
Melting point/freezing point	: 62.5 °C
Initial boiling point and boiling range	: 351.5°C at 760 mmHg
Flash point	: 200°C ( ASTM D92 Cleveland open cup)
Evaporation rate	: No information available
Flammability (solid,gas)	: No information available
Upper/lower flammability or explosive limits	: No information available
Vapour pressure	: 5.06E-5 Pa at 25° C
Vapour density	: No information available
Relative density	: 0.8527 g/cm <sup>3</sup> at 62° C
Solubility	: Insoluble. Solubility in water <0.05 mg/L at 20°C
Partition coefficient :n-octanol/water	: log K <sub>ow</sub> 7.17
Auto-ignition temperature	: No information available
Decomposition temperature	: No information available
Viscosity	: 7.8 mPa s at 70° C (Dynamic viscosity ) 142.9 cp at 160 °C
Explosive properties	: Not an explosive substance
Oxidizing properties	: Not an oxidising substance
<b>Other Information</b>	: No information available

### 10. STABILITY AND REACTIVITY

Reactivity	: The substance is stable.
Chemical stability	: Stable under normal operating conditions.
Possibility of hazardous reactions	: No information available.
Conditions to avoid	: Keep away from ignition sources and strong acids and bases. If product is a fine powder that may cause dust explosions Note the risk of self ignition in contact with air if the substance has been soaked in rags, cotton wool isolation materials or similar heat isolating materials.
Incompatible materials	: Avoid contact with strong oxidizing agents and bases, copper alloys and reducing agent.
Hazardous decomposition products	: Stable under normal conditions. Does not decompose up to 204°C. Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide.

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### 11. TOXICOLOGICAL INFORMATION

Acute toxicity	: Oral	LD <sub>50</sub> : >5000 mg/kg bw
	Inhalation	LC <sub>50</sub> (4h) : > 0.1621 mg/L air (RA from 124-07-2)
	Dermal	LD <sub>50</sub> : >2000 mg/kg bw (RA from 57-11-4)
Skin corrosion/irritation	: Rabbit	Not irritating
Eye damage/irritation	: Rabbit	Not irritating
Respiratory or skin sensitization	: Not sensitising	
Mutagenicity	: Negative	
Carcinogenicity	: No information available	
Reproductive toxicity	: No information available	
STOT-single exposure	: No information available	
STOT-repeated exposure	: No information available	
Aspiration hazard	: No information available	

### 12. ECOLOGICAL INFORMATION

Ecotoxicity	: LC50 (96h) (species : Brachydanio rerio ) :> 1000 mg/L
	EC50 (48h) (species : Daphnia magna) : > 4.8 mg/L
Persistence and Degradability	: Readily biodegradable
Bioaccumulative potential	: No potential for bioaccumulation
Mobility in soil	: No information available
Result of the PBT and vPvB assesment	: Not a PBT or vPvB substance
Other adverse effects	: No information available

### 13. DISPOSAL CONSIDERATIONS

Disposal methods	: Dispose of content/container to an approved waste disposal plant. Do not dispose via sinks, drains or into the immediate environment. Dispose only in accordance with local, state and federal regulations.
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### 14. TRANSPORT INFORMATION

Land Transport (ADR/RID)	: Not classified
Sea Transport (IMDG Code)	: Not classified
Air Transport (IATA)	: Not classified
Inland waterways Transport (ADN)	: Not classified
Transport in Bulk (Annex II of MARPOL 73/78 and the IBC code)	
Product Name	: Fatty Acid, C16 +(n)
Ship Type	: 2
Pollution category	: Y

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### 15. Regulatory Information

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

#### Inventories List

ENCS (Japan)	: Yes (MITI No. : 2-608)
AICS (Australia)	: Listed
DSL (Canada)	: Listed
NDSL (Canada)	: No
IECSC (China)	: Listed
EINECS (EU)	: Yes (EC No. : 200-312-9 )
ECL (Korea)	: Yes (KE-18438)
NZIoC (New Zealand)	: Yes
PICCS (Philippines)	: Listed
TSCA (USA)	: Listed
Chemical Safety assessment	: No information available.

### 16. OTHER INFORMATION

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