### Section 1 - Product and Company Information

**Product Name**  PENTADECANOIC ACID  
**Product Number**  P6125  
**Brand**  SIGMA  
**Company**  Sigma-Aldrich Canada, Ltd  
**Street Address**  2149 Winston Park Drive  
**City, State, Zip, Country**  Oakville ON L6H 6J8 CA  
**Technical Phone:**  9058299500  
**Emergency Phone:**  800-424-9300  
**Fax:**  9058299292

### Section 2 - Composition/Information on Ingredient

<table>
<thead>
<tr>
<th>Substance Name</th>
<th>CAS #</th>
<th>SARA</th>
</tr>
</thead>
<tbody>
<tr>
<td>PENTADECANOIC ACID</td>
<td>1002-84-2</td>
<td>313</td>
</tr>
</tbody>
</table>

**Formula**  C15H30O2  
**Synonyms**  Pentadecyclic acid  
**RTECS Number:**  RZ1925000

### Section 3 - Hazards Identification

**EMERGENCY OVERVIEW**  
Irritant.  
Irritating to eyes, respiratory system and skin.

**HMIS RATING**  
**HEALTH:** 2 
**FLAMMABILITY:** 1 
**REACTIVITY:** 0

**NFPA RATING**  
**HEALTH:** 2 
**FLAMMABILITY:** 1 
**REACTIVITY:** 0

For additional information on toxicity, please refer to Section 11.

### Section 4 - First Aid Measures

**ORAL EXPOSURE**  
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

**INHALATION EXPOSURE**  
If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

**DERMAL EXPOSURE**  
In case of contact, immediately wash skin with soap and copious amounts of water.
EYE EXPOSURE
   In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

INFORMATION FOR PHYSICIAN
   Contamination of the eyes should be treated by immediate and prolonged irrigation with copious amounts of water.

Section 5 - Fire Fighting Measures

FLASH POINT
   235 °F  113 °C  Method: closed cup

AUTOIGNITION TEMP
   N/A

FLAMMABILITY
   N/A

EXTINGUISHING MEDIA
   Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

FIREFIGHTING
   Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)
   Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP
   Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

HANDLING
   User Exposure: Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE
   Suitable: Keep tightly closed. Store at -20°C

Section 8 - Exposure Controls / PPE

ENGINEERING CONTROLS
   Safety shower and eye bath. Mechanical exhaust required.

PERSONAL PROTECTIVE EQUIPMENT

GENERAL HYGIENE MEASURES
   Wash thoroughly after handling.
Section 9 - Physical/Chemical Properties

**Appearance**
Physical State: Solid.
Color: White

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>At Temperature or Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular Weight</td>
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<tr>
<td>pH</td>
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<tr>
<td>BP/BP Range</td>
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<td></td>
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<tr>
<td>MP/MP Range</td>
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<tr>
<td>Freezing Point</td>
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<tr>
<td>Vapor Pressure</td>
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<tr>
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<td>Saturated Vapor Conc.</td>
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<td>Bulk Density</td>
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<tr>
<td>Odor Threshold</td>
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<tr>
<td>Volatile%</td>
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<tr>
<td>VOC Content</td>
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<td></td>
</tr>
<tr>
<td>Water Content</td>
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<td>Solvent Content</td>
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<tr>
<td>Evaporation Rate</td>
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<td>Viscosity</td>
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<tr>
<td>Partition Coefficient</td>
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<tr>
<td>Decomposition Temp.</td>
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<tr>
<td>Flash Point</td>
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<td>Method: closed cup</td>
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<td>Explosion Limits</td>
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<td>Flammability</td>
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<td>Autoignition Temp</td>
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<tr>
<td>Refractive Index</td>
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<td>Optical Rotation</td>
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<td>Miscellaneous Data</td>
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<tr>
<td>Solubility</td>
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</tbody>
</table>

N/A = not available

Section 10 - Stability and Reactivity

**STABILITY**
Stable: Stable.
Materials to Avoid: Bases, Oxidizing agents, Reducing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS**
Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

**HAZARDOUS POLYMERIZATION**
Hazardous Polymerization: Will not occur

Section 11 - Toxicological Information

**ROUTE OF EXPOSURE**
Skin Contact: Causes skin irritation.
Skin Absorption: May be harmful if absorbed through the skin.
Eye Contact: Causes eye irritation.
Inhalation: Material is irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.
Ingestion: May be harmful if swallowed.

**SIGNS AND SYMPTOMS OF EXPOSURE**
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**TOXICITY DATA**

Intravenous
Mouse
54 MG/KG
LD50
Remarks: Behavioral: Convulsions or effect on seizure threshold.

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

DOT
Proper Shipping Name: None
Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA
Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

EU ADDITIONAL CLASSIFICATION
Symbol of Danger: Xi
Indication of Danger: Irritant.
R: 36/37/38
Risk Statements: Irritating to eyes, respiratory system and skin.
S: 26 36
Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

US CLASSIFICATION AND LABEL TEXT
Indication of Danger: Irritant.
Risk Statements: Irritating to eyes, respiratory system and skin.
Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

UNITED STATES REGULATORY INFORMATION
SARA LISTED: No
TSCA INVENTORY ITEM: Yes

CANADA REGULATORY INFORMATION
WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DISCLAIMER
For R&D use only. Not for drug, household or other uses.

WARRANTY
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