

4-Nitrophenyl palmitate: sc-206927



The Power to Question

MATERIAL SAFETY DATA SHEET

1 Identification of substance

Product Name: 4-Nitrophenyl palmitate
Product Number: sc-206927
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800
Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

2 Hazards identification

Classification of the substance or mixture

The substance is not classified according to the Globally Harmonized System (GHS).

Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.

Information concerning particular hazards for human and environment: Not applicable.

Label elements

Labeling according to EU guidelines: Observe the general safety regulations when handling chemicals.

Classification system

HMIS ratings (scale 0-4) (Hazardous Materials Identification System)

HEALTH: 1
FIRE: 1
REACTIVITY: 1

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Substances

Molecular formula: C₂₂H₃₅NO₄

Molecular weight: 377.52

<i>CAS-No.</i>	<i>EC-No.</i>	<i>Index-No.</i>	<i>Concentration</i>
4-Nitrophenyl palmitate 1492-30-4	216-084-9	-	-

4 First aid measures

Description of first aid measures

After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice.

After skin contact

Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice.

After eye contact

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing

Seek medical treatment.

5 Firefighting measures

Extinguishing media

Suitable extinguishing agents

Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture

In case of fire, the following can be released: carbon monoxide and carbon dioxide, nitrogen oxides (NOx) hydrogen cyanide (HCN).

Advice for firefighters

Protective equipment:

Wear self-contained respirator. Wear fully protective impervious suit.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

Environmental precautions: Do not allow material to be released to the environment without proper governmental permits.

Methods and material for containment and cleaning up: Pick up mechanically.

Reference to other sections: See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7 Handling and storage

Handling

Precautions for safe handling: Keep container tightly sealed. Store in cool, dry place in tightly closed containers. No special precautions are necessary if used correctly.

Information about protection against explosions and fires: Keep ignition sources away. Conditions for safe storage, including any incompatibilities.

Storage

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Store away from oxidizing agents.

Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Store at -20° C.

8 Exposure controls/personal protection

Additional information about design of technical systems: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

Control parameters

Components with limit values that require monitoring at the workplace: Not required.

Additional information: No data.

Exposure controls

Personal protective equipment

General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work.

Breathing equipment: Use suitable respirator when high concentrations are present.

Protection of hands: Impervious gloves. Check protective gloves prior to each use for their proper condition.

Material of gloves: The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer.

Eye protection: Safety glasses

Body protection: Protective work clothing.

9 Physical and chemical properties

Form	Solid	Odor	Not determined
Odor threshold	Not determined	pH-value	Not applicable
Melting point/Melting range	65–66°C (149–151 °F)	Boiling point/Boiling range	Not determined
Sublimation temperature/ start	Not determined	Flash point	Not applicable
Flammability (solid, gaseous)	Not determined	Ignition temperature	Not determined
Decomposition temperature	Not determined	Auto igniting	Not determined
Danger of explosion	Not a hazard	Explosion limits lower	Not determined
Explosion limits upper	Not determined	Vapor pressure	Not applicable
Density	Not determined	Relative density	Not determined
Vapor density	Not applicable	Evaporation rate	Not applicable
Solubility in/ Miscibility with H2O	Insoluble	Viscosity dynamic	Not applicable
Viscosity kinematic	Not applicable	Other information	Not available
Segregation coefficient:	Not determined (n-octanol/water)		

10 Stability and reactivity

Reactivity

Chemical stability

Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Incompatible materials: Oxidizing agents.

Hazardous decomposition products: Carbon monoxide and carbon dioxide, nitrogen oxides, hydrogen cyanide (prussic acid).

11 Toxicological information

Information on toxicological effects

Acute toxicity

Primary irritant effect

on the skin: May cause irritation.

on the eye: May cause irritation.

Sensitization: No sensitizing effects known.

Subacute to chronic toxicity: Other than potential irritation (see above), no information on illness or injury to humans from acute or chronic exposure to this product is available.

Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.

12 Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Behavior in environmental systems

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Additional ecological information

General notes: Do not allow material to be released to the environment without proper governmental permits.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation: Consult state, local or national regulations to ensure proper disposal.

Uncleaned packagings

Recommendation: Disposal must be made according to official regulations.

14 Transport information

Not a hazardous material for transportation.

DOT regulations

Hazard class: None

Land transport ADR/RID (cross-border)

ADR/RID class: None

Maritime transport IMDG

IMDG Class: None

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR

ICAO/IATA Class: Not regulated

Special precautions for user: Not regulated

Transport/Additional information: Not dangerous according to the above specifications. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

15 Regulatory information

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

Product related hazard informations: Observe the general safety regulations when handling chemicals

National regulations

This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted to research and development only. Some or all of the components of this product are not listed on the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL).

Information about limitation of use: For use only by technically qualified individuals.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

4/25/2012