

SAFETY DATA SHEET
PALMITOYLETHANOLAMIDE (PEA)
PRODUCT # 5959

1. IDENTIFICATION

Product Name: Palmitoyl Ethanolamide
Synonyms: N-(2-hydroxyethyl)-hexadecanamide; Palmidrol; PEA

In Case of Emergency: Chemtrec 1 (800) 424-9300 (24 hours)
NSW Poisons Information Centre: 131 126 (24 hours)

Distributor identification

Distributor: Bella Corp Trading Pty Ltd
Address: 6/34 Dominions Road, Ashmore QLD 4214, Australia
Telephone: 07 5597 4169
Email: bellacorp@bellacorp.com.au

2. HAZARDS IDENTIFICATION

Emergency Overview: Avoid contact and inhalation.
Route(s) of Entry: Inhalation? Yes. Skin? Yes. Eyes? Yes.
Ingestion? Yes. Other: Injection.
Potential Health Effects (Acute and Chronic): Material may be irritating to the mucous membranes and upper respiratory tract.
May be harmful by inhalation, ingestion, or skin absorption.
May cause eye, skin or respiratory system irritation.
Signs and Symptoms of Exposure: To the best of our knowledge, the toxicological properties have not been thoroughly investigated.
Medical Conditions Generally Aggravated By: No data available.

3. COMPOSITION & INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS#</u>	<u>Concentration</u>	<u>EC#</u>	<u>Risk Phrases</u>
Palmitoyl Ethanolamide	544-31-0	100%	208-867-9	No phrase apply

4. FIRST AID MEASURES

Emergency and First Aid Procedures: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention. If swallowed, wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

In case of contact with eyes, hold eyelids apart and flush eyes with plenty of water for at least 20 minutes. Have eyes examined and tested by medical personnel.

In case of skin contact, immediately wash skin with soap and plenty of water for at least 20 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

5. FIREFIGHTING MEASURES

Flash Point: No data.

Explosive Limits: LEL: No data. UEL: No data.

Auto-Ignition Point: No data available.

Firefighting Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH-approved or equivalent), and full protective gear to prevent contact with skin and eyes.

Flammable Properties and Hazards: No data available.

Hazardous Combustion Products: No data available.

Suitable Extinguishing Media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Use water spray to cool fire-exposed containers.

Unsuitable Extinguishing Media: A solid water stream may be inefficient.

6. ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Released or Spilled:

Avoid release into the environment.

Avoid raising and breathing dust, and provide adequate ventilation.

As conditions warrant, wear a NIOSH-approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).

Transfer to a chemical waste container for disposal.

7. HANDLING & STORAGE

Hazard Label Information: Avoid contact with skin and eyes.
Do not reuse container.
Use with adequate ventilation. Wash thoroughly after handling.

Precautions to be taken in Handling: Avoid breathing (dust, vapour, mist, gas).
Avoid prolonged or repeated exposure.

Precautions to be taken in Storing: Keep tightly closed. Store at correct temperature.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

<u>Chemical Name</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits</u>
Palmitoyl Ethanolamide	544-31-0	No data	No data	No data

Protective Equipment Summary – Hazard Label Information: Compatible chemical-resistant gloves. Eye wash station in work area. Lab coat. Safety glasses. Safety shower in work area. Vent hood.

Respiratory Equipment (specify type): NIOSH-approved respirator, as conditions warrant.

Eye Protection: Safety glasses.

Protective Gloves: Compatible chemical-resistant gloves.

Other Protective Clothing: Lab coat.

Engineering Controls (Ventilation, etc.): Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical State:	<input type="checkbox"/> Gas	<input type="checkbox"/> Liquid	<input checked="" type="checkbox"/> Solid
Melting Point:	No data		
Boiling Point:	No data		
Auto-Ignition Point:	No data		
Flash Point:	No data		
Specific Gravity (Water = 1):	No data		
Vapor Pressure (vs. Air or mm Hg):	No data		
Vapor Density (vs. Air = 1):	No data		
Evaporation Rate:	No data		
Solubility in Water:	No data		
Solubility Notes:	~ 0.01 mg/ml in EtOH: PBS (pH 7.2) (1:10) ~ 2 mg/ml in EtOH ~ 5 mg/ml in DMSO ~ 10 mg/ml in DMF		
Percent Volatile:	No data		
Formula:	C ₁₈ H ₃₇ NO ₂		
Molecular Weight:	299.50		
Appearance and Odor:	A crystalline solid		

10. STABILITY & REACTIVITY

Stability:	Unstable <input type="checkbox"/>	Stable <input checked="" type="checkbox"/>
Conditions to Avoid – Instability:	No data available	
Incompatibility – Materials to Avoid:	Strong oxidizing agents	
Hazardous Decomposition or Byproducts:	Carbon dioxide Carbon monoxide Nitrogen oxides	
Possibility of Hazardous Reactions:	Will occur <input type="checkbox"/>	Will not occur <input checked="" type="checkbox"/>
Conditions to Avoid – Hazardous Reaction:	No data available	

11. TOXICOLOGICAL INFORMATION

The toxicological effects of this product have not been thoroughly studied.

Chronic Toxicological Effects: No data available.

<u>Chemical Name</u>	<u>CAS#</u>	<u>NTP</u>	<u>IARC</u>	<u>ACGIH</u>	<u>OSHA</u>
Palmitoyl Ethanolamide	544-31-0	n/a	n/a	n/a	n/a

12. ECOLOGICAL INFORMATION

Avoid release into the environment.

Runoff from fire control or dilution water may cause pollution.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION

LAND TRANSPORT (U.S. DOT):

DOT Proper Shipping Name: Not dangerous goods.

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not dangerous goods.

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not dangerous goods.

Additional Transport Information: Transport in accordance with local, state and federal regulations.

15. REGULATORY INFORMATION

European Community Hazard Symbol Codes: No data available.
European Community Risk and Safety Phrases: S24/25 – Avoid contact with skin and eyes.
S37/39 – Wear suitable gloves and eye/face protection.

U.S. EPA SARA Title III:

<u>Chemical Name</u>	<u>CAS#</u>	<u>Sec. 302 (EHS)</u>	<u>Sec. 304 RQ</u>	<u>Sec. 313 (TRI)</u>	<u>Sec. 110</u>
Palmitoyl Ethanolamide	544-31-0	No	No	No	No

Other U.S. EPA or State Lists:

<u>Chemical Name</u>	<u>CAS#</u>	<u>CAA, HAP, ODC</u>	<u>CWA NPDES</u>	<u>TSCA</u>	<u>CA Prop.65</u>
Palmitoyl Ethanolamide	544-31-0	No	No	Inventory	No

Regulatory Information Statement: This SDS was prepared in accordance with Regulation (EC) No. 1272/2008 and European Directive 67/548/EEC as amended.

16. OTHER INFORMATION

SDS Creation Date: May 10, 2018