

# SAFETY DATA SHEET

Date Prepared: March 9, 2005  
Replaces: February 13, 2002  
Prepared By: Compliance Office

## 01. Product and Manufacturer Identification

Product Name        **LINDRIDE 32**  
Chemical Name      Methyltetrahydrophthalic Anhydride  
Chemical Family    Carboxylic Acid Anhydride  
Manufacturer        Lindau Chemicals, Inc.  
                          731 Rosewood Drive  
                          Columbia, SC 29201  
                          Phone: (803)799-6863  
                          Fax: (803)256-3639

24 Hr. Emergency Telephone No: (800)457-4280

## 02. Composition

Product Name	CAS No.	EINECS NBR	R-phrases
Methyltetrahydrophthalic Anhydride	34090-76-1	251-823-9	41,42/43

## 03. Hazards Identification

Risk of serious damage to eyes.  
May cause sensitization by inhalation and skin contact.

### HMIS RATING

Health            1  
Flammability    1  
Reactivity       0

### HAZARD RATING

4 = Severe  
3 = Serious  
2 = Moderate  
1 = Slight  
0 = Minimal

## 04. First Aid Measures

Skin Contact: Wash with soap and water. If skin irritation persists, call a physician.

Eye Contact: Flush eyes with water including under the eyelids. Seek medical treatment.

Inhalation: Move to fresh air. If symptoms persist, call a physician.

05. Fire-Fighting

Suitable extinguishing media: (1) Dry Chemical; (2) Carbon Dioxide; (3) Water Spray;

Hazardous Decomposition Products: Burning may produce irritating vapors and/or carbon monoxide.

Special protective equipment: Wear self-contained breathing apparatus and protective suit.

06. Accidental Release

Wear protective clothing. Remove all possible ignition sources. Avoid breathing vapors. Provide adequate ventilation. In case of spillage, absorb and dispose in accordance with local regulations.

07. Handling and Storage

Store in closed containers at temperatures above 50°F (10°C) to prevent crystallization. Handle in well ventilated areas. Do not transfer to unmarked containers.

08. Exposure Controls / Personal Protection

Technical measures/Precautions: No special precautions required.

Exposure limit(s): none

Skin: Wear chemical resistant gloves and protective clothing.

Eyes: Eye protection (safety glasses with side shields or chemical splash goggles) should be worn. Eye washing facilities should be readily available.

Respiratory Protection: This product should be handled in well ventilated areas. Avoid breathing the vapor. If natural ventilation is inadequate, local exhaust ventilation may be necessary.

Ingestion: Accidental ingestion is an unlikely event. Normal handling and hygiene precautions should always be taken to avoid ingestion.

09. Physical and Chemical Properties

Appearance	Amber liquid
Odor	Characteristic
Boiling Point °F (°C)(ASTM D-86)	> 585°F (>307°C)
Specific Gravity (H <sub>2</sub> O = 1)	1.21 @ 25°C
Flash Point (PM)	>275°F (>135°C)
Solubility in water	nil
Vapor Pressure (mm Hg @ 15°C)	nil
Vapor Density (Air = 1)	5.7
Percent Volatile (By volume %)	nil
Evaporation Rate (n-BuAc = 1)	nil

## 10. Stability and Reactivity

Stability	Stable
Incompatibility	Slowly hydrolyzed by water. Keep dry. Reacts with alcohols and alkalies.
Hazardous Decomposition Products	Burning may produce irritating vapors and/or carbon monoxide.
Hazardous Polymerization	Will not occur.
Conditions to Avoid	None

## 11. Toxicological Information

Acute toxicity	4428 mg/kg (LD50/oral/rat)
Acute dermal irritation	Primary skin irritation score (rabbits) 1.56 (mild skin irritant).
Acute eye irritation	Irritant, particularly when hot.

## 12. Environmental Information

Spill and Leak Procedures:	Provide ventilation and respirator if needed. Flush area with water and soda ash. Keep flames away. Avoid subsoil penetration. Do not let product enter drains. Do not contaminate surface water.
Waste Disposal Method:	Incinerate in a suitable furnace or bury with lime in an approved landfill.

## 13. Disposal Considerations

Can be landfilled or incinerated, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991. Empty containers can be landfilled, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991.

## 14. Transport Information

RID/ADR:	not regulated
IMDG:	not regulated
IATA:	not regulated

## 15. Regulatory Information

Symbol(s) Xn - Harmful

contains Methyltetrahydrophthalic anhydride

R phrase(s)

R41,- Risk of serious damage to eyes.

R42/43 - May cause sensitization by inhalation or skin contact.

S phrase(s)

S(2) Keep out of reach of children

S 24 Avoid contact with skin

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39 Wear suitable gloves and eye/face protection

The following information may be useful in complying with various state and federal regulations under various environmental statutes.

All components of this product are listed on the TSCA & EINECS inventories.

Reportable Quantity (RQ), EPA regulation 40 CFR 302 (CERCLA Section 102)

The RQ for Phthalic Anhydride is 5000 pounds. This product contains approximately 5% Phthalic Anhydride.

Toxic Chemical Release Reporting, EPA Regulation 40 CFR 372 (SARA Sections 311 - 313)

This product contains approximately 5% Phthalic Anhydride (CAS# 85-44-9).

## 16. Other Information

This product should be stored and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. We believe all information given is accurate. It is offered in good faith, but without guarantee. Since conditions of use are beyond our control, all risks of use are assumed by the user. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license under valid patents.