



J.T. Baker Inc.  
 222 Red School Lane  
 Phillipsburg, NJ 08865  
 24-Hour Emergency Telephone 908-859-2151  
 National Response Center 800-424-8802  
 Chemtrec 800-424-9300

**MATERIAL SAFETY DATA SHEET**

**FICHE  
 SIGNALÉTIQUE**

**HOJAS DE DATOS  
 DE SEGURIDAD**

National Response In Canada  
 CANUTEC 613-996-6666

Outside U.S. and Canada  
 Chemtrec 202-483-7616

L1392 -02  
 Effective: 05/01/89

Lanthanum Nitrate, 6-Hydrate

Page: 1  
 Issued: 02/05/91

J.T.BAKER INC., 222 Red School Lane, Phillipsburg, NJ 08865

=====

**SECTION I - PRODUCT IDENTIFICATION**

=====

Product Name: Lanthanum Nitrate, 6-Hydrate  
 Common Synonyms: N/A  
 Chemical Family: Lanthanum Compounds  
 Formula:  $La(NO_3)_3 \cdot 6H_2O$   
 Formula Wt.: 433.03  
 CAS No.: 10277-43-7  
 NIOSH/RTECS No.: OE5250000  
 Product Use: Laboratory Reagent  
 Product Codes: P354

=====

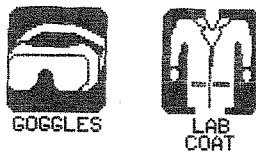
**PRECAUTIONARY LABELING**

=====

BAKER SAF-T-DATA\* System

HEALTH	FLAMMABILITY	REACTIVITY	CONTACT
<b>1</b>	<b>0</b>	<b>3</b>	<b>2</b>
SLIGHT	NONE	SEVERE	MODERATE

Laboratory Protective Equipment



U.S. Precautionary Labeling

**DANGER!**

**STRONG OXIDIZER. CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE.**  
 Keep from contact with clothing and other combustible materials. Do not store near combustible materials. Keep in tightly closed container. Wash thoroughly after handling. In case of fire, soak with water. In case of spill, sweep up and remove. Flush spill area with water.

Continued on Page: 2

0031





J.T. Baker Inc.  
222 Red School Lane  
Phillipsburg, NJ 08865

24-Hour Emergency Telephone 908-859-2151  
National Response Center 800-424-8802  
Chemtrec 800-424-9300

L1392 -02 Lanthanum Nitrate, 6-Hydrate  
Effective: 05/01/89

Page: 3  
Issued: 02/05/91

=====

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

=====

Flash Point (Closed Cup): N/A

Autoignition Temperature: N/A

Flammable Limits: Upper - N/A Lower - N/A

Fire Extinguishing Media

Use water spray.

Special Fire-Fighting Procedures

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode. Move exposed containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.

Unusual Fire & Explosion Hazards

Strong oxidizer. Contact with other material may cause fire.

Toxic Gases Produced

none identified

Explosion Data-Sensitivity to Mechanical Impact

None identified.

Explosion Data-Sensitivity to Static Discharge

None identified.

=====

SECTION V - HEALTH HAZARD DATA

=====

Threshold Limit Value (TLV/TWA): Not Established

Short-Term Exposure Limit (STEL): Not Established

Permissible Exposure Limit (PEL): Not Established

Toxicity of components

Intraperitoneal Mouse LD<sub>50</sub> for Lanthanum Nitrate, 6-Hydrate 410 mg/kg

Oral Rat LD<sub>50</sub> for Lanthanum Nitrate, 6-Hydrate 4500 mg/kg

Carcinogenicity: NTP: No IARC: No Z List: No OSHA Reg: No





J.T. Baker Inc.  
 222 Red School Lane  
 Phillipsburg, NJ 08865  
 24-Hour Emergency Telephone 908-859-2151  
 National Response Center 800-424-8802  
 Chemtrec 800-424-9300

L1392 -02  
 Effective: 05/01/89

Lanthanum Nitrate, 6-Hydrate

Page: 5  
 Issued: 02/05/91

SECTION V - HEALTH HAZARD DATA (CONTINUED)

SARA/TITLE III HAZARD CATEGORIES and LISTS

Acute: Yes Chronic: Yes Flammability: Yes Pressure: No Reactivity: No

Extremely Hazardous Substance: No  
 CERCLA Hazardous Substance: No  
 SARA 313 Toxic Chemicals: No  
 TSCA Inventory: Yes

SECTION VI - REACTIVITY DATA

Stability: Stable Hazardous Polymerization: Will not occur

Conditions to Avoid: moisture, heat, flame, other sources of ignition

Incompatibles: strong reducing agents, combustible materials

Decomposition Products: none identified

SECTION VII - SPILL & DISPOSAL PROCEDURES

Steps to be Taken in the Event of a Spill or Discharge

Wear self-contained breathing apparatus and full protective clothing. Keep combustibles (wood, paper, oil, etc.) away from spilled material. With clean shovel, carefully place material into clean, dry container and cover; remove from area. Flush spill area with water.

Disposal Procedure

Dispose in accordance with all applicable federal, state, and local environmental regulations.

SECTION VIII - INDUSTRIAL PROTECTIVE EQUIPMENT

Ventilation: Use adequate general or local exhaust ventilation to keep fume or dust levels as low as possible.

Respiratory Protection: None required where adequate ventilation conditions exist. If airborne concentration is high, use an appropriate respirator or dust mask.



J.T. Baker Inc.  
 222 Red School Lane  
 Phillipsburg, NJ 08865  
 24-Hour Emergency Telephone 908-859-2151  
 National Response Center 800-424-8802  
 Chemtrec 800-424-9300

L1392 -02  
 Effective: 05/01/89

Lanthanum Nitrate, 6-Hydrate

Page: 6  
 Issued: 02/05/91

=====

SECTION VIII - INDUSTRIAL PROTECTIVE EQUIPMENT (CONTINUED)

=====

Eye/Skin Protection: Safety goggles, neoprene gloves are recommended.

=====

SECTION IX - STORAGE AND HANDLING PRECAUTIONS

=====

SAF-T-DATA\* Storage Color Code: Yellow (reactive)

Storage Requirements

Keep container tightly closed. Store separately and away from flammable and combustible materials.

=====

SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION

=====

Domestic (D.O.T.)

Proper Shipping Name: Oxidizer, n.o.s. (Lanthanum Nitrate, 6-Hydrate)  
 Hazard Class: Oxidizer  
 UN/NA: UN1479  
 Labels: OXIDIZER  
 Regulatory References: 49CFR 172.101; 173.154

International (I.M.O.)

Proper Shipping Name: Oxidizing substances, n.o.s. (Lanthanum Nitrate, 6-Hydrate)  
 Hazard Class: 5.1  
 UN: UN1479 Marine Pollutants: No  
 Labels: OXIDIZING AGENT  
 Regulatory References: 49CFR 172.102; Part 176; IMO  
 I.M.O. Page: 5055  
 Packaging Group: II

AIR (I.C.A.O.)

Proper Shipping Name: Oxidizing substances, n.o.s. (Lanthanum Nitrate, 6-Hydrate)  
 Hazard Class: 5.1  
 UN: UN1479  
 Labels: OXIDIZING AGENT  
 Regulatory References: 49CFR 172.101; 173.6; Part 175; ICAO/IATA  
 Packaging Group: II

U.S. Customs Harmonization Number: 28342900005



J.T. Baker Inc.  
 222 Red School Lane  
 Phillipsburg, NJ 08865  
 24-Hour Emergency Telephone 908-859-2151  
 National Response Center 800-424-8802  
 Chemtrec 800-424-9300

L1392 -02  
 Effective: 05/01/89

Lanthanum Nitrate, 6-Hydrate

Page: 7  
 Issued: 02/05/91

-----  
 N/A = Not Applicable or Not Available  
 N/E = Not Established  
 ---

The information in this Material Safety Data Sheet meets the requirements of the United States OCCUPATIONAL SAFETY AND HEALTH ACT and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and the Canadian WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. This document is intended only as a guide to the appropriate precautionary handling of the material by a person trained in, or supervised by a person trained in, chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes.

Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, Baker cannot warn of all of the potential dangers of use or interaction with other chemicals or materials. Baker warrants that the chemical meets the specifications set forth on the label.

BAKER DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR PURPOSE.

The user should recognize that this product can cause severe injury and even death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Baker will periodically revise this Material Safety Data Sheet.

Note: CHEMTREC, CANUTEC, and NATIONAL RESPONSE CENTER emergency telephone numbers are to be used ONLY in the event of CHEMICAL EMERGENCIES involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to Customer Service (1-800-JTBAKER) for assistance.

---  
 COPYRIGHT 1991 J.T.BAKER INC.  
 \* TRADEMARKS OF J.T.BAKER INC.  
 ===

Approved by Quality Assurance Department.