

MSDS Number: **P0200** \* \* \* \* *Effective Date: 05/22/98* \* \* \* \* *Supersedes: 12/08/96*

**MSDS**

MATERIAL SAFETY DATA SHEET

**CHEMTREC:** 800-424-9300 (USA)

Canada)

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703-527-3887(Outside USA and

**CANUTEC:**

613-996-6666

**From:** Mallinckrodt Baker, Inc  
222 Red School Lane  
Phillipsburg, NJ 08865

NOTE: Use CHEMTREC and CANUTEC  
phone

numbers only in the event

Emergency Telephone Number: 908-859-2151

of a chemical emergency.

All non-emergency questions should be directed to Customer Service (1-800-582-2537) for assistance.

M A L L I N C K R O D T

**PARLODION(R)**

**1. Product Identification**

**Synonyms:** Pyroxylin Purified Strips

**CAS No.:** 9004-70-0

**Molecular Weight:** 504.28

**Chemical Formula:** C<sub>12</sub>H<sub>16</sub>(NO<sub>3</sub>)<sub>4</sub>O<sub>6</sub>

**Product Codes:** 6552

**WARNING! FLAMMABLE SOLID.**

**Potential Health Effects**

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**Inhalation:**

No adverse health effects via inhalation. Formation of large quantities of extremely toxic gases, n oxides of nitrogen, hydrogen cyanide and carbon monoxide may occur upon decomposition. Effects from to decomposition products are severe and life threatening.

**Ingestion:**

Although ingestion is highly unlikely, swallowing may result in mild stomach upset.

**Skin Contact:**

Not expected to be a health hazard from skin exposure. May cause mild irritation and redness.

**Eye Contact:**

Although eye contact is highly unlikely, ngesj /Fdnetur uend F / 5nchron quEbe a hel Tf 0 -1.1429

**Ingestiot:**

**Skin Contact:**

generation. The resulting flameless decomposition is self-sustaining and accelerative, presenting a hazard of dangerous pressures in building structures. This material contains sufficient oxygen to sustain burning even in oxygen-deficient atmospheres.

**Explosion:**

For unstabilized, dry material: An explosion may be initiated by sudden shock, by high temperature combination of the two. Sensitive to mechanical impact. Sensitive to static discharge.

**Fire Extinguishing Media:**

Water spray, dry chemical, alcohol foam, or carbon dioxide.

**Special Information:**

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Use extreme caution approaching fires. It may explode. Do not fight advanced fires, except for remote activation of fire extinguishing equipment and/or with unmanned fixed turrets and hose nozzles. The surrounding area should be evacuated. Fires should be approached from upwind. Use self-contained breathing apparatus. Since cerium nitrate supplies its own oxygen, prompt cooling with a large quantity of water is essential; water through spray nozzles is effective if used quickly and in sufficient volume.

## 6. Accidental Release Measures

Dangerous material. Partially decomposed material may detonate or autoignite. Handle decomposed material as explosive that may detonate with mild shock using explosive disposal procedures. Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container.

## 7. Handling and Storage

Containers should be protected against damage and not exposed to heating. Storage area should be well ventilated, and equipped with both decomposition and explosion vents, having the maximum amount of opening. Protect against excessive heat and direct sunlight, avoid contact with electric light bulbs, coils, or other sources of heat; prohibit open flames or other sources of ignition. Control ignition sources. Employ grounding, bonding, venting and explosion relief provisions in accord with accepted engineering practices in any process capable of generating an explosion due to static discharge. Containers of cerium nitrate material may be hazardous when empty since they retain product residues (dust, solids); observe all safety and precautions listed for the product.

## 8. Exposure Controls/Personal Protection

**Airborne Exposure Limits:**

None established.

**Ventilation System:**

In general, dilution ventilation is a satisfactory health hazard control for this substance. However, conditions of use create discomfort to the worker, a local exhaust system should be considered. Use explosion-proof equipment.

**Personal Respirators (NIOSH Approved):**

Not expected to require personal respirator usage.

**Skin Protection:**

Wear protective gloves and clean body-covering clothing.

**Eye Protection:**

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

## 9. Physical and Chemical Properties

**Appearance:**

Thin, transparent, colorless to pale yellow strips.

**Odor:**

No information found.

by sudden shock, by high temperature or by a combination of the two. Heat and sunlight can contribute to instability.

**Hazardous Decomposition Products:**

Emits toxic fumes of hydrogen cyanide, nitric oxides, and carbon monoxide when heated to decomposit. Incomplete combustion may generate toxic hydrogen cyanide fumes.

**Hazardous Polymerization:**

Will not occur.

**Incompatibilities:**

Strong oxidizers.

**Conditions to Avoid:**

Heat, flame, sources of ignition, light and incompatibles.

**11. Toxicological Information**

Oral rat LD50: 5gm/kg

-----\Cancer Lists\-----

---NTP Carcinogen---

Ingredient	Known	Anticipated	IARC Category
Nitrocellulose (9004-70-0)	No	No	None
Urea (57-13-6)	No	No	None

**12. Ecological Information**

**Environmental Fate:**

No information found.

**Environmental Toxicity:**

No information found.

**13. Disposal Considerations**

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to approved waste facility. Processing, use or contamination of this product may change the waste management.

options. State and local disposal regulations may differ from federal disposal regulations. Dispose container and unused contents in accordance with federal, state and local requirements.

**14. Transport Information**

**Domestic (Land, D.O.T.)**  
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**Proper Shipping Name:** FLAMMABLE SOLID, ORGANIC, N.O.S. (NITROCELLULOSE)

**Hazard Class:** 4.1

**UN/NA:** UN1325

**Packing Group:** II

**Information reported for product/size:** 500G

**International (Water, I.M.O.)**  
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**Proper Shipping Name:** FLAMMABLE SOLID, ORGANIC, N.O.S. (NITROCELLULOSE)

**Hazard Class:** 4.1

**UN/NA:** UN1325

**Packing Group:** II

**Information reported for product/size:** 500G

-----\Chemical Inventory Status - Part 1\-----

Ingredient	TSCA	EC	Japan	Australia
Nitrocellulose (9004-70-0)	Yes	No	Yes	Yes
Urea (57-13-6)	Yes	Yes	Yes	Yes

-----\Chemical Inventory Status - Part 2\-----

--Canada--

Ingredient	Korea	DSL	NDSL	Phil.
Nitrocellulose (9004-70-0)	Yes	Yes	No	Yes

Urea (57-13-6) Yes Yes No Yes

-----\Federal, State & International Regulations - Part 1\-----

-SARA 302- -----SARA 313-----

Ingredient RQ TPQ List Chemical Catg.

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Nitrocellulose (9004-70-0) No No No No

Urea (57-13-6) No No No No

-----\Federal, State & International Regulations - Part 2\-----

-RCRA- -TSCA-

Ingredient CERCLA 261.33 8(d)

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Nitrocellulose (9004-70-0) No No No

Urea (57-13-6) No No No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No

SARA 311/312: Acute: No Chronic: No Fire: Yes Pressure: No

Reactivity: Yes (Mixture / Solid)

**Australian Hazchem Code:** 2[Y]  
**Poison Schedule:** No information found.  
**WHMIS:**

