

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Material Name: Parlodion Strips.
Catalogue Number: C157.
Other Names: Pyroxylin Purified Strips.
Recommended Use: Specimen support for electron microscopy.

Supplier Name: ProSciTech
Street Address: 1/11 Carlton Street, Kirwan, Qld. 4817 Australia
Telephone Number: (07) 4773 9444 **Fax Number:** (07) 4773 2244
Emergency Contact: (07) 4773 9444 8:30am – 5:00pm, Monday to Friday

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification: Hazardous according to criteria of NOHSC.
Hazardous and/or Dangerous Nature: HAZARDOUS SUBSTANCE. DANGEROUS GOODS.
Risk Phrases: Not available.
Safety Phrases: Not available.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE:

Chemical Identity:	Parlodion Strips
Common Name(s):	Pyroxylin Purified Strips.
CAS Number(s):	9004-70-0

MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
Parlodion Strips	9004-70-0	-

SECTION 4 - FIRST AID MEASURES

Swallowed: Seek immediate medical attention.
Eye: In case of contact, immediately flush or eyes with plenty of water for at least 15minutes. Get medical attention.
Skin: In case of contact, immediately flush or eyes with plenty of water for at least 15minutes. Get medical attention.
Inhaled: Seek immediate medical attention.
First Aid Facilities: Eyebath/eyewash & Safety shower.
Medical Attention & Special Treatment:

ADDITIONAL INFORMATION:

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

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

Hazards from Combustion Products:

An explosion may be initiated by sudden shock, by high temperature or by a combination of the two. Presents an unusually severe fire hazard; when dry, ignites readily and burns explosively. Should never be kept for any appreciable time in any dry fibrous state. Un-stabilized product decomposes generally at relatively low temperature, with evolution of copious volumes of toxic and flammable gases, and rapid heat generation. In prolonged storage and aging of nitrocellulose plastics, camphor is lost with deterioration and the decomposition temperature may be lowered to 100oF. The resulting flameless decomposition is self-sustaining and accelerative, presenting the added hazard of dangerous pressures in building structures.

Precautions for Fire Fighters:

In the event of a fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Use extreme caution in approaching fires involving this material as it may explode. No attempt should be made to fight advanced fires, except for remote activation of installed fire extinguishing equipment and/or with unmanned fixed turrents and hose nozzles. The surrounding area should be evacuated. Fires should be approached from upwind and self-contained breathing apparatus used. Since cellulose nitrate supplies its own oxygen, prompt cooling with a large quantity of water is essential; water applied through spray nozzles is effective if used quickly and in sufficient volume, in a manner to set the entire exposed surface.

Hazchem Code: Not available.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Containment and clean up:

Dangerous material. Partially decomposed material may detonate or auto ignites. Handle decomposed material as an explosive that may detonate with mild shock using explosive disposal procedures. Submerge fresh parlodion strips in water and burn in small quantities in an approved incinerator.

SECTION 7 - HANDLING & STORAGE

Precautions for Safe Handling:

Use only in a well ventilated area. Wear appropriate protective equipment (refer to Section 8).

Conditions for Safe Storage:

Drums should be protected against damage and not exposed to heating, nor should material be allowed to dry out. Storage should be segregated, well-ventilated, and equipped with both decomposition and explosion vents, having the maximum amount of free opening. Protect against excessive heat and direct sunlight, avoid contact with electric light bulbs, steam coils, or other sources of heat; prohibit open flames or other sources of ignition.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards: No exposure standard allocated.

Biological Limit Values: No biological limit allocated.

Engineering Controls:

A local exhaust system which captures the contaminant at its source is recommended to prevent dispersion of the contaminant into the workroom air.

Personal Protective Equipment:

PERSONAL RESPIRATORS (NIOSH APPROVED): For conditions of use where exposure to the vapor is apparent, a half mask chemical cartridge respirator may be worn. For emergencies, a self-contained breathing apparatus may be necessary.

SKIN PROTECTION: Wear protective gloves and clean body-covering clothing.

EYE PROTECTION: Use chemical safety goggles. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work area.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Thin, transparent, colourless to pale yellow strips.
Odour:	Slight Odour.
pH:	Not available.
Vapour pressure (mm of Hg at 25°C):	Not available.
Vapour density:	Not available.
Boiling point/range (°C):	Not available.
Freezing/melting point (°C):	Not available.
Solubility:	Insoluble in water.
Specific gravity or density:	1.66
Flash Point:	13°C.
Flammable (explosive) limits:	Not available.
Ignition temperature:	Ignites at 165°C.
Additional Information:	

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	Heat, flame, incompatible materials.
Incompatible Materials:	Powerful oxidizers.
Hazardous Decomposition	Oxides of nitrogen, hydrogen cyanide, carbon monoxide.
Products:	
Hazardous Reactions:	Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Exposure and Health Effects:

Ingestion:

Although ingestion is highly unlikely, swallowing may result in a severe stomach pain.

Inhalation:

Formation of large quantities of extremely toxic gases, notably oxides of nitrogen, hydrogen cyanide and carbon monoxide may occur upon decomposition. Effects from exposures to decomposition products are severe and life threatening.

Skin Contact:

Corrosive to the skin. Discoloration and pain may result.

Eye Contact:

Although eye contact is highly unlikely, it may result in severe pain.

Human/Animal data: Not available.

Carcinogenicity: Not available.

SECTION 12 – ECOLOGICAL INFORMATION
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Ecotoxicity: Not available.

Persistence and degradability: Not available.

Mobility: Not available.

Additional Information: Not available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods:

Submerge fresh parlodian strips in water and burn in small quantities in an approved incinerator. Ensure compliance with local, state and federal regulations.

Special Precautions:

SECTION 14 - TRANSPORT INFORMATION

UN Number: UN1325

UN Proper Shipping Name: Flammable solid, organic, n.o.s. Parlodion Strips.

Class and Subsidiary risk: 4.1

Packing Group: PG III

Special Precautions for User: Not available.

Hazchem Code: Not available.

SECTION 15 - REGULATORY INFORMATION
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Poison Schedule Number: None allocated.

SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS: August 10

Comments:

The information published in this Material Safety Data Sheet has been compiled from data in various technical publications. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. We reserve the right to revise material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.