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SAFETY DATA SHEET

Section 1. Product and company identification

Product(s): Nitrocellulose Transfer Membrane
Supplier: Advansta Inc.
Address: 2140 Bering Drive
San Jose, CA 95131

Recommended Use: For research use only.

Restrictions on Use: As long as the nitrocellulose membranes remain sealed in the original metallized barrier bags provided by the manufacturer, the product is not classified as hazardous under normal conditions of storage and use. The sealed packaging prevents exposure to air, moisture, ignition sources, and mechanical stimuli that could otherwise present flammability risks associated with nitrocellulose. To be opened by end-user only. Not for clinical use. Not for internal use in animals or humans. Not for diagnostic use. Not for household or any other unintended use.

Section 2 Composition/Information on Ingredients

Ingredient	CAS #	%
Nitrocellulose	9004-70-0	100%

Section 3 Hazards identification

EMERGENCY OVERVIEW:

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

HMIS RATING	
HEALTH	0
FLAMMABILITY	2
REACTIVITY	0

NFPA RATING	
HEALTH	0
FLAMMABILITY	2
REACTIVITY	0

Section 4 - First Aid Measures

ORAL EXPOSURE	No special recommendations
INHALATION EXPOSURE	No special recommendations
DERMAL EXPOSURE	Wash with soap and water. Get medical attention if irritation develops
EYE EXPOSURE	In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if irritation develops.

Section 5 - Fire Fighting Measures

FLASH POINT	12.85°C (55.1°F)
AUTOIGNITION TEMP	>160°C (>320°F)
FLAMMABILITY	Product becomes a 'Flammable Solid Category 2' after removing the membrane from the package. If the membrane is still in it's intact original packaging it is not classified as a 'Flammable Solid Category 2'.
EXTINGUISHING MEDIA	
Suitable:	Use dry chemical, CO ₂ , water spray (fog) or foam
Not suitable:	Do not use water jet
FIREFIGHTING	
Protective Equipment:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6 - Accidental Release Measures

METHODS FOR CLEANING UP:	Eliminate all ignition sources. Vacuum or sweep up material and place in a designated, labeled waste container.
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Section 7 - Handling and Storage

HANDLING

User Exposure:

Wear appropriate personal protective equipment. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative mode from a compatible material. Keep tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use only non-sparking tools. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

STORAGE

Suitable:

Keep tightly closed. Store at room temperature, 18-25°C (64.4-77°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink.

Section 8 - Exposure Controls / PPE

PERSONAL PROTECTIVE EQUIPMENT

Respiratory:

Respiratory protection not required.

Hand:

Protective gloves.

Eye:

Chemical safety goggles.

GENERAL HYGIENE MEASURES:

Wash thoroughly after handling.

Section 9 - Physical and chemical properties

APPEARANCE PHYSICAL STATE:

Flammable white solid

Section 10 - Stability and Reactivity

STABILITY:

Stable under recommended storage conditions

Materials to Avoid:

Under normal conditions of storage and use, hazardous reactions will not occur. Avoid oxidizing materials and all possible sources of ignition (spark or flame)

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization:

Will not occur.

Section 11 - Toxicological Information

ROUTE OF EXPOSURE

Skin Contact:

No known significant effects or critical hazards.

Skin Absorption:

No known significant effects or critical hazards.

Eye Contact:

No known significant effects or critical hazards.

Inhalation:

Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure

Ingestion:

No known significant effects or critical hazards.

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12 - Ecological Information

No known significant effects or critical hazards.

Section 13 - Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION:

Observe all federal, state, and local environmental regulations. The generation of waste should be avoided or minimized wherever possible. Disposal of this product should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Section 14 - Transport Information

Unopened product in its original packaging is not regulated as dangerous goods for transport

DOT

Proper Shipping Name:	Not applicable
Non-Hazardous for Transport:	Product is not regulated as dangerous goods for transport

IATA

Non-Hazardous for Air Transport:	Product is not regulated as dangerous goods for transport
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Section 15 - Regulatory Information

U.S. Federal Regulations:	TSCA 8(a) CDR Exempt/Partial exemption: This material is listed or exempted
	United States inventory (TSCA 8b): This material is listed or exempted

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPS)	Not Listed
Clean Air Act Section 602 Class I Substances	Not Listed
Clean Air Act Section 602 Class II Substances	Not Listed
DEA List I Chemicals (Precursor Chemicals)	Not Listed
DEA List II Chemicals (Essential Chemicals)	Not Listed

Section 16 Other information

For R&D use only. Not for drug, household or other uses.

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