

# Material Safety Data Sheet

## hazard information

Hazard information is provided for compliance with both the UK Chemicals (Hazard Information and Packaging) (CHIP) Regulations and the US Hazard Communication Standard (HCS).

### Identification of the Substance/Preparation and Company:

Product name	Product code	EEC number
Nitrocellulose Membrane, 0.22 µm pore size	GM-NC22	None
Nitrocellulose Membrane, 0.45 µm pore size	GM-NC45	None

#### Supplier

Hoefer, Inc., 953 Indiana Street, San Francisco, CA 94107  
Phone: 800-227-4750

#### Emergency Contact

Chemtrec: 800-424-9300  
Outside USA and Canada: 703-527-3887

#### NFPA Codes:

Health: 1  
Fire: 3  
Reactivity: 0  
Special: None

### Composition/Hazardous Components:

(1% or greater for hazardous components, 0.1% or greater for carcinogens)

Hazard	CAS No.	%WT	OSHA PEL	ACGIH TLV	Other Limits Recommended
Nitrocellulose, Dry	9004-70-0	79-100	None	None	None
Cellulose Diacetate	9035-69-2	0-21			

### First-aid Measures

**EYES:** It is unlikely that emergency treatment will be required. Wash with large amounts of water or normal saline until no evidence of chemical remains. Get medical attention if needed.

**SKIN:** It is unlikely that emergency treatment will be required. If adverse effects occur, wash with soap or mild detergent and large amounts of water. Get medical attention if needed.

**INGESTION:** It is unlikely that emergency treatment will be required. Get medical attention if needed.

**INHALATION:** It is unlikely that emergency treatment will be required. Remove from exposure. Get medical attention if needed.

### Fire-fighting Information

FLASH POINT: 356 °F (180 °C)

**SPECIAL FIREFIGHTING PROCEDURES:** Move container from fire area if it can be done without risk. Cool containers with water spray until well after fire is out. Avoid inhalation of material or combustion fire products. Regular dry chemical, sand, earth, regular foam, water will extinguish material.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Severe fire hazard

## Exposure Control/Personal Protection

ENGINEERING CONTROLS: None required

PERSONAL PROTECTION: Not required under normal conditions.

Eyes/Face: Eye protection not required under normal conditions.

Skin: Protective gloves not required under normal conditions.

Respiratory: No respirator is required under normal conditions.

HANDLING: Store in accordance with all current regulations and standards. Avoid direct sunlight. Keep away from heat, sparks and flame. To avoid fire, minimize ignition sources.

STORAGE: Store below 130 °C. Keep separated from incompatible materials. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

## Physical and Chemical Properties

Boiling Point: N/A

Vapor Pressure: N/A

Vapor Density: N/A

Solubility in Water: Not available

Appearance and Odor: Odorless white film

Specific Gravity: 1.55–1.70

Melting Point: N/A

Evaporation Rate: N/A  
(H<sub>2</sub>O = 1)

Water Reactive: No

pH: N/A

## Stability and Reactivity Data

STABILITY: Stable at normal pressure and temperatures.

REACTIVITY: Stable at normal pressure and temperatures.

CONDITIONS TO AVOID: Avoid heat, flames, sparks, and other sources of ignition.

HAZARDOUS DECOMPOSITION: Thermal decomposition products or contact with acids: oxides of nitrogen.

Thermal decomposition products: oxides of carbon.

INCOMPATIBILITIES: Acids, alcohols, amine, bases, ketones, oxidizing materials.

## Health Hazard Data

POTENTIAL HEALTH EFFECTS

Eye: No information is available.

Skin: No information is available.

Ingestion: No information is available.

Inhalation: No information is available.

Chronic/Carcinogenicity:

NTP: N

OSHA: N

IARC: N

MEDICAL RESTRICTIONS: None

## Disposal Considerations

RCRA HAZARDOUS WASTE: U.S. EPA 40 CFR 262. D001.

WASTE DISPOSAL: Dispose in accordance with all applicable regulations.

## Transportation Information

DOT/UN HAZARD CLASS: 4.1

PROPER SHIPPING NAME: Nitrocellulose Membrane Filters

IDENTIFICATION NUMBER: UN3270; 4.2; PG II;  
Flammable solid

## Regulatory Information

TSCA: All components of this product are registered under the regulations of the Toxic substances Control Act.

SARA TITLE III: As supplied, this product does not contain regulated levels of any toxic chemical subject to the reporting requirements of sections 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372.

## Other

This data sheet is based upon information believed to be reliable. The Company makes no statement or warranty as to the accuracy or completeness of the information contained herein which is offered for your consideration, investigation and verification. Any use of the information contained in this data sheet must be determined by the user to be in accordance with appropriate applicable regulations.



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