

BEGIN MSDS 00202590

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION  
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SUBSTANCE: NITROCELLULOSE MEMBRANE FILTER

TRADE NAMES/SYNONYMS:

NITROCELLULOSE/MCE MEMBRANE; CELLULOSE NITRATE MEMBRANE; MIXED CELLULOSE ESTER (MCE) MEMBRANE; MIXED CELLULOSE ESTER MEMBRANE FILTER; MIXED CELLULOSE ESTER (MCE); MIXED ESTERS OF CELLULOSE MEMBRANE; NITROCELLULOSE MEMBRANE; PURE NITROCELLULOSE MEMBRANE; 00202590

PRODUCT USE: plastic, film

CREATION DATE: Jan 11 1999

REVISION DATE: Mar 19 2003

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2. COMPOSITION, INFORMATION ON INGREDIENTS  
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COMPONENT: NITROCELLULOSE, DRY  
CAS NUMBER: 9004-70-0  
EC NUMBER: Not assigned.  
PERCENTAGE: 79-100

COMPONENT: CELLULOSE DIACETATE  
CAS NUMBER: 9035-69-2  
EC NUMBER: Not assigned.  
PERCENTAGE: 0-21

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3. HAZARDS IDENTIFICATION  
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NFPA RATINGS (SCALE 0-4): HEALTH=1 FIRE=3 REACTIVITY=0

EMERGENCY OVERVIEW:

COLOR: black, white or green

PHYSICAL FORM: film

ODOR: odorless

MAJOR HEALTH HAZARDS: No significant target effects reported.

PHYSICAL HAZARDS: Flammable solid.

POTENTIAL HEALTH EFFECTS:

INHALATION:

SHORT TERM EXPOSURE: irritation

LONG TERM EXPOSURE: no information is available

SKIN CONTACT:

SHORT TERM EXPOSURE: irritation

LONG TERM EXPOSURE: no information is available

EYE CONTACT:

SHORT TERM EXPOSURE: irritation  
LONG TERM EXPOSURE: no information is available  
INGESTION:  
SHORT TERM EXPOSURE: no information is available  
LONG TERM EXPOSURE: no information is available

CARCINOGEN STATUS:  
OSHA: No  
NTP: No  
IARC: No

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#### 4. FIRST AID MEASURES

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INHALATION: If adverse effects occur, remove to uncontaminated area. Get medical attention.

SKIN CONTACT: Wash exposed skin with soap and water.

EYE CONTACT: Flush eyes with plenty of water.

INGESTION: If a large amount is swallowed, get medical attention.

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#### 5. FIRE FIGHTING MEASURES

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FIRE AND EXPLOSION HAZARDS: Severe fire hazard.

EXTINGUISHING MEDIA: regular dry chemical, dry sand, earth, regular foam, water

FIRE FIGHTING: Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Avoid inhalation of material or combustion by-products.

FLASH POINT: 356 F (180 C)

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#### 6. ACCIDENTAL RELEASE MEASURES

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OCCUPATIONAL RELEASE:

Avoid heat, flames, sparks and other sources of ignition. Collect material into suitable, loosely covered container for disposal. Cover with water or wet sand. Remove sources of ignition.

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#### 7. HANDLING AND STORAGE

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STORAGE: Store and handle in accordance with all current regulations and standards. Store below 130 C. Avoid direct sunlight. See original container for storage recommendations. Keep separated from incompatible substances.

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#### 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

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EXPOSURE LIMITS:

NITROCELLULOSE MEMBRANE FILTER:

No occupational exposure limits established.

VENTILATION: Based on available information, additional ventilation is not required. Ensure compliance with applicable exposure limits.

EYE PROTECTION: Eye protection not required under normal conditions.

CLOTHING: Protective clothing is not required under normal conditions.

GLOVES: Protective gloves are not required under normal conditions.

RESPIRATOR: No respirator is required under normal conditions of use. Under conditions of frequent use or heavy exposure, respiratory protection may be needed.

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9. PHYSICAL AND CHEMICAL PROPERTIES

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PHYSICAL STATE: solid

COLOR: black, white or green

PHYSICAL FORM: film

ODOR: odorless

BOILING POINT: Not applicable

MELTING POINT: Not available

VAPOR PRESSURE: Not applicable

VAPOR DENSITY: Not applicable

SPECIFIC GRAVITY (water=1): 1.55-1.70

WATER SOLUBILITY: Not available

PH: Not applicable

VOLATILITY: Not applicable

ODOR THRESHOLD: Not available

EVAPORATION RATE: Not applicable

COEFFICIENT OF WATER/OIL DISTRIBUTION: Not available

SOLVENT SOLUBILITY:

Soluble: esters, ketones, organic solvents

Slightly Soluble: alcohol

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10. STABILITY AND REACTIVITY

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REACTIVITY: Stable at normal temperatures and pressure.

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

INCOMPATIBILITIES: acids, alcohols, amines, bases, ketones, oxidizing materials

HAZARDOUS DECOMPOSITION:

Thermal decomposition products or contact with acids: oxides of nitrogen

Thermal decomposition products: oxides of carbon

POLYMERIZATION: Will not polymerize.

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11. TOXICOLOGICAL INFORMATION  
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NITROCELLULOSE, DRY:  
TOXICITY DATA:  
    >5 gm/kg oral-rat LD50  
ACUTE TOXICITY LEVEL: Insufficient Data.

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12. ECOLOGICAL INFORMATION  
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Not available

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13. DISPOSAL CONSIDERATIONS  
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Dispose in accordance with all applicable regulations. Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): D001.

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14. TRANSPORT INFORMATION  
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U.S. DOT 49 CFR 172.101:  
    PROPER SHIPPING NAME: Nitrocellulose membrane filters  
    ID NUMBER: UN3270  
    HAZARD CLASS OR DIVISION: 4.1  
    PACKING GROUP: II  
    LABELING REQUIREMENTS: 4.1

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15. REGULATORY INFORMATION  
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U.S. REGULATIONS:  
    CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4): Not regulated.  
  
    SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30):  
        Not regulated.  
  
    SARA TITLE III SECTION 304 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.40):  
        Not regulated.  
  
    SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):  
        ACUTE: No  
        CHRONIC: No  
        FIRE: Yes  
        REACTIVE: No  
        SUDDEN RELEASE: No  
  
    SARA TITLE III SECTION 313 (40 CFR 372.65): Not regulated.

OSHA PROCESS SAFETY (29CFR1910.119): Not regulated.

STATE REGULATIONS:

California Proposition 65: Not regulated.

CANADIAN REGULATIONS:

WHMIS CLASSIFICATION: Not determined.

EUROPEAN REGULATIONS:

EC CLASSIFICATION (CALCULATED): Not determined.

NATIONAL INVENTORY STATUS:

U.S. INVENTORY (TSCA): Listed on inventory.

TSCA 12(b) EXPORT NOTIFICATION: Not listed.

CANADA INVENTORY (DSL/NDSL): Not determined.

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16. OTHER INFORMATION

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