

BIO BASIC INC.

160 Torbay Road, Markham Ontario. L3R 1G6 Canada
Tel: (905) 474 4493, (800) 313 7224 Fax: (905) 474 5794
MATERIAL SAFETY DATA SHEET

REQUIRED UNDER SAFETY AND HEALTH REGULATION FOR SHIP REPAIRING

MANUFACTURER'S NAME: BIO BASIC INC.
TEL: (905) 474 5794
FAX: (416) 995 9730
FOR CHEMICAL EMERGENCY: (416) 995 9730
ADDRESS: 160 Torbay Road, Markham Ontario. L3R 1G6 Canada

Dec1st,2009

SECTION 1. ----- CHEMICAL IDENTIFICATION-----

Product name : Membrane, nitrocellulose
Product Number : NT020S1

SECTION 2. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

CAS-No. EC-No. Index-No. Concentration
Membrane, nitrocellulose

SECTION 3. ----- HAZARDS IDENTIFICATION -----

WHMIS Classification
B4 Flammable Solid Flammable Solid
HMIS Classification
Health Hazard: 0
Flammability: 0
Physical hazards: 3
Potential Health Effects
Inhalation May be harmful if inhaled. May cause respiratory tract irritation.
Skin May be harmful if absorbed through skin. May cause skin irritation.
Eyes May cause eye irritation.
Ingestion May be harmful if swallowed.

SECTION 4. ----- FIRST-AID MEASURES-----

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled
If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.
In case of skin contact
Wash off with soap and plenty of water. Consult a physician.
In case of eye contact
Flush eyes with water as a precaution.
If swallowed
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5. ----- FIRE FIGHTING MEASURES -----

Flammable properties
Flash point no data available
Ignition temperature no data available
Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters
Wear self contained breathing apparatus for fire fighting if necessary.
Further information
Use water spray to cool unopened containers.

SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----

Personal precautions
Avoid dust formation. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.
Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods for cleaning up
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

SECTION 7. ----- HANDLING AND STORAGE-----

Handling
Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition – No smoking. Take measures to prevent the build up of electrostatic charge.
Storage
Keep container tightly closed in a dry and well-ventilated place. Store in cool place.

SECTION 8. ----- EXPOSURE CONTROLS/PERSONAL PROTECTION-----

Contains no substances with occupational exposure limit values.
Personal protective equipment
Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Hand protection
For prolonged or repeated contact use protective gloves.
Eye protection
Safety glasses
Skin and body protection
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES -----

Appearance
Form solid
Safety data
pH no data available
Melting point no data available
Boiling point no data available
Flash point no data available
Ignition temperature no data available
Lower explosion limit no data available
Upper explosion limit no data available

Water solubility no data available

SECTION 10. -----STABILITY AND REACTIVITY -----

Storage stability

Stable under recommended storage conditions.

Conditions to avoid

Heat, flames and sparks.

Materials to avoid

Strong acids, Strong bases, Cellulose and its derivatives may react vigorously with:, bleaching powder, Fluorine, Nitric acid

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.

SECTION 11. -----TOXICOLOGICAL INFORMATION -----

Acute toxicity

no data available

Irritation and corrosion

no data available

Sensitisation

no data available

Chronic exposure

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Signs and Symptoms of Exposure

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

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Ingestion May be harmful if swallowed.

SECTION 12. -----ECOLOGICAL INFORMATION -----

Elimination information (persistence and degradability)

no data available

Ecotoxicity effects

no data available

Further information on ecology

no data available

SECTION 13. -----DISPOSAL CONSIDERATIONS -----

Product

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

SECTION 14. -----TRANSPORT INFORMATION -----

DOT (US)

UN-Number: 3270 Class: 4.1 Packing group: II

Proper shipping name: Nitrocellulose membrane filters

Marine pollutant: No

Poison Inhalation Hazard: No

IMDG

UN-Number: 3270 Class: 4.1 Packing group: II EMS-No: F-A, S-I
Proper shipping name: NITROCELLULOSE MEMBRANE FILTERS
Marine pollutant: No

IATA

UN-Number: 3270 Class: 4.1 Packing group: II
Proper shipping name: Nitrocellulose membrane filters

SECTION 15. ----- REGULATORY INFORMATION -----

DSL Status

This product contains the following components that are not on the Canadian DSL nor NDSL lists.

Membrane, nitrocellulose

WHMIS Classification

B4 Flammable Solid Flammable Solid

SECTION 16. ----- OTHER INFORMATION -----

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. BBI shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.