PRODUCT NAME: NuShield Film

Revision Date: December 6, 2005
PRODUCT CODE: Varies
Supersedes Date: March 7, 2002

2. PRODUCT COMPOSITION

<table>
<thead>
<tr>
<th>Product Classification: Polymer film.</th>
<th>C.A.S. No.</th>
<th>Percent</th>
</tr>
</thead>
</table>

3. HAZARD IDENTIFICATION

This product is classed as an article under H&S legislation and is not bound by regulations on hazardous substances. Contains no volatile organic compounds or photochemically active solvents. Not reportable under SARA Title III S.313.40 CFR 372.65

4. FIRST AID MEASURES

Eye Contact: Consult physician if physical damage to eyes has occurred.
Skin Contact: No special precautions
Ingestion: Seek medical attention.
Inhalation: N/A

5. FIRE FIGHTING MEASURES

Flash Point: N.A.     Method: N.A.     LEL: N.A.     UEL: N.A.

EXTINGUISHING MEDIA/FIRE FIGHTING PROCEDURES

Use the following extinguishing media when fighting fires involving this material: water fog, foam, dry chemical, or carbon dioxide.

UNUSUAL HAZARDS
None

6. ACCIDENTAL RELEASE MEASURES

RELEASE RESPONSE
Sweep/shovel up and transfer into a suitable container for re-use or disposal.

PERSONAL PROTECTIVE EQUIPMENT
N.A.

N.A.: Not Applicable
7. HANDLING AND STORAGE

**HANDLING**
No special precautions.

**STORAGE**
No special precautions.

8. EXPOSURE CONTROL INFORMATION

**OCCUPATIONAL EXPOSURE LIMITS**
N.A.

**ENGINEERING CONTROL MEASURES**
N.A.

**PERSONAL PROTECTION EQUIPMENT**

| Respiratory | N.A. |
| Hand | N.A. |
| Eye | N.A. |

**OTHER CONTROL MEASURES**
N.A.

9. PROPERTIES

| Appearance: Clear film | Odor: None | pH: N.A. |
| Boiling Range: N.A. | Melting Range: N.A. | Specific Gravity: 1.4 |
| Solubility: Insoluble in water. | Vapor Density: N.A. | Vapor Pressure: N.A. |
| % Volatile: N.A. | Freezing Point: N.A. | Density at 20°C: 1.4 g/cm³ |

N.A.: Not Applicable
### 10. REACTIVITY INFORMATION

<table>
<thead>
<tr>
<th>Conditions to Avoid:</th>
<th>Temperatures above 300° C.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Materials to Avoid:</td>
<td>None known.</td>
</tr>
<tr>
<td>Hazardous Decomposition:</td>
<td>Thermal decomposition may produce ethylene glycol and terephthalic acid.</td>
</tr>
<tr>
<td>Stability:</td>
<td>This material is stable under normal operating conditions.</td>
</tr>
</tbody>
</table>

### 11. HEALTH/TOXICITY INFORMATION

#### HEALTH HAZARDS

**Effects of Acute Exposure**
- **Inhalation**: N.A.
- **Skin Contact**: Material is not expected to cause irritation.
- **Skin Absorption**: This material cannot be absorbed through the skin.
- **Eye Contact**: Material may produce (mechanical) irritation.
- **Ingestion**: N.A.

**Effects of Chronic Over Exposure**
None expected.

**Listed as a suspected carcinogen on**: IARC: No  NTP: No  OSHA: No

**Medical Conditions Aggravated**: None

#### TOXICITY INFORMATION

None determined.

### ENVIRONMENTAL/DISPOSAL CONSIDERATIONS

#### 12. ENVIRONMENTAL HAZARDS

None known.

#### 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state and federal regulations as solid waste.
SAFETY DATA SHEET

NuShield Inc.
2865 South Eagle Road #400
Newtown, PA  18940-1546

Emergency Telephone No.
CHEMTREC: (800) 424-9300
NUSHIELD: (215) 500-6426

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14. TRANSPORTATION

<table>
<thead>
<tr>
<th>Shipping Name:</th>
<th>Not regulated.</th>
<th>Label:</th>
<th>N.A.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard Class:</td>
<td>N.A.</td>
<td>Packing Group:</td>
<td>N.A.</td>
</tr>
<tr>
<td>UN#:</td>
<td>N.A.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

15. REGULATORY INFORMATION

CHEMICAL INVENTORIES
In compliance denotes that all components are on the inventory or exempt.

| U.S. TSCA Inventory: | In Compliance |
| European Inventory:  | In Compliance |
| Korean Inventory:    | In Compliance |
| Canadian Inventory:  | In Compliance |
| Japanese Inventory:  | In Compliance |
| Australian Inventory:| In Compliance |

SARA 313 Information
Not regulated under SARA Section 313.

OTHER REGULATORY INFORMATION
None known.

16. OTHER INFORMATION

HMIS Ratings:

| HEALTH | 0 |
| FLAMMABILITY | 0 |
| REACTIVITY | 0 |

N.A.: Not Applicable