**Safety Data Sheet (SDS)**

**Material Name:** Allure

**Manufacturer Information**
Nudo  
1500 Taylor Avenue  
Springfield, IL  62703  
Phone: 217-528-5636  
Fax: 217-528-8722

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### Section 1 - Chemical Product and Company Identification

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### Section 2 - Hazards Identification

**Emergency Overview**
No specific hazards anticipated from normal product handling. Dust and other particulates generated during cutting, shaping, or forming may cause eye, skin, and respiratory tract irritation.

**Potential Health Effects: Eyes**
Dusts and particulates may cause eye irritation.

**Potential Health Effects: Skin**
Dusts and particulates may cause skin irritation.

**Potential Health Effects: Ingestion**
Not a likely route of exposure under normal product use conditions.

**Potential Health Effects: Inhalation**
Dusts and particulates may cause respiratory tract irritation.

**HMIS Ratings:**
- **Health:** 1
- **Fire:** 0
- **Reactivity:** 0

**Hazard Scale:**
- 0 = Minimal
- 1 = Slight
- 2 = Moderate
- 3 = Serious
- 4 = Severe
- * = Chronic hazard

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### Section 3 - Composition / Information on Ingredients

**CAS #**

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>7429-90-5</td>
<td>Aluminum</td>
</tr>
<tr>
<td>101-68-8</td>
<td>Methylene bis(phenylisocyanate)</td>
</tr>
<tr>
<td>9002-88-4</td>
<td>Polyethylene</td>
</tr>
<tr>
<td>Not Available</td>
<td>Coatings</td>
</tr>
<tr>
<td>7439-95-4</td>
<td>Magnesium</td>
</tr>
<tr>
<td>7439-96-5</td>
<td>Manganese</td>
</tr>
<tr>
<td>7439-89-6</td>
<td>Iron</td>
</tr>
<tr>
<td>7440-21-3</td>
<td>Silicon</td>
</tr>
<tr>
<td>7440-47-3</td>
<td>Chromium</td>
</tr>
</tbody>
</table>

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### Section 4 - First Aid Measures

**First Aid: Eyes**
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Eye injuries from glass particles should be treated by a physician immediately.

**First Aid: Skin**
For skin contact flush with large amounts of water. If irritation persists, get medical advice.

**First Aid: Ingestion**
If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

**First Aid: Inhalation**
Move person to non-contaminated air. If the affected person is not breathing, apply artificial respiration.

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### Section 5 - Fire Fighting Measures

**General Fire Hazards**
See Section 9 for Flammability Properties. None anticipated.

**Hazardous Combustion Products**
Not Determined

**Extinguishing Media**
Use appropriate extinguishing media suitable for surrounding fire.
Safety Data Sheet

Material Name: Allure

Fire Fighting Equipment/Instructions
Firefighters should wear full protective gear.

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures
None necessary.

Clean-Up Procedures
No special cleanup procedures needed.

Evacuation Procedures
None

Special Procedures
None

*** Section 7 - Handling and Storage ***

Handling Procedures
Avoid dust generation.

Storage Procedures
No special storage procedures needed.

*** Section 8 - Exposure Controls / Personal Protection ***

A: Component Exposure Limits

Aluminum (7429-90-5)

ACGIH: 1 mg/m³ TWA (respirable fraction)
OSHA: 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)
NIOSH: 10 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable dust)

Methylene bis(phenylisocyanate) (101-68-8)

ACGIH: 0.005 ppm TWA
OSHA: 0.02 ppm Ceiling; 0.2 mg/m³ Ceiling
NIOSH: 0.005 ppm TWA; 0.05 mg/m³ TWA
0.020 ppm Ceiling (10 min); 0.2 mg/m³ Ceiling (10 min)

Manganese (7439-96-5)

ACGIH: 0.2 mg/m³ TWA
OSHA: 1 mg/m³ TWA (fume)
3 mg/m³ STEL (fume)
5 mg/m³ Ceiling
NIOSH: 1 mg/m³ TWA (fume)
3 mg/m³ STEL

Silicon (7440-21-3)

OSHA: 10 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)
NIOSH: 10 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable dust)

Chromium (7440-47-3)

ACGIH: 0.5 mg/m³ TWA
OSHA: 1 mg/m³ TWA
NIOSH: 0.5 mg/m³ TWA

Engineering Controls
Ventilation is not normally required.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face
Wear dust goggles.
*** Section 9 - Physical & Chemical Properties ***

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Multi-colored</td>
</tr>
<tr>
<td>Physical State</td>
<td>Solid</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>ND</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>NA</td>
</tr>
<tr>
<td>Solubility (H2O)</td>
<td>ND</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>ND</td>
</tr>
<tr>
<td>Octanol/H2O Coeff.</td>
<td>ND</td>
</tr>
<tr>
<td>Flash Point Method</td>
<td>ND</td>
</tr>
<tr>
<td>Lower Flammability Limit (LFL)</td>
<td>ND</td>
</tr>
<tr>
<td>Auto Ignition</td>
<td>ND</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
</tr>
<tr>
<td>pH</td>
<td>NA</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>ND</td>
</tr>
<tr>
<td>Melting Point</td>
<td>ND</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>ND</td>
</tr>
<tr>
<td>VOC</td>
<td>ND</td>
</tr>
<tr>
<td>Flash Point</td>
<td>ND</td>
</tr>
<tr>
<td>Upper Flammability Limit (UFL)</td>
<td>ND</td>
</tr>
<tr>
<td>Burning Rate</td>
<td>ND</td>
</tr>
</tbody>
</table>

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability
This is a stable material.

Chemical Stability: Conditions to Avoid
Avoid dust generation.

Incompatibility
Not Determined

Hazardous Decomposition
Not Determined

Possibility of Hazardous Reactions
Will not occur.

*** Section 11 - Toxicological Information ***

Acute Dose Effects
A: General Product Information
No information available for the product.

B: Component Analysis - LD50/LC50

Methylene bis(phenylisocyanate) (101-68-8)
Oral LD50 Rat 9200 mg/kg

Polyethylene (9002-88-4)
Inhalation LC50 Mouse 12 g/m3 30 min

Magnesium (7439-95-4)
Oral LD50 Rat 230 mg/kg

Manganese (7439-96-5)
Oral LD50 Rat 9 g/kg

Iron (7439-89-6)
Oral LD50 Rat 984 mg/kg

Silicon (7440-21-3)
Oral LD50 Rat 3160 mg/kg
Carcinogenicity
A: General Product Information
No information available for the product.
B: Component Carcinogenicity
Aluminum (7429-90-5)
ACGIH: A4 - Not Classifiable as a Human Carcinogen

Methylene bis(phenylisocyanate) (101-68-8)
IARC: Monograph 71 [1999]; Supplement 7 [1987]; Monograph 19 [1979] (Group 3 (not classifiable))

Polyethylene (9002-88-4)
IARC: Supplement 7 [1987]; Monograph 19 [1979] (Group 3 (not classifiable))

Chromium (7440-47-3)
ACGIH: A4 - Not Classifiable as a Human Carcinogen
IARC: Monograph 49 [1990] (listed under Chromium and Chromium compounds); Supplement 7 [1987] (Group 3 (not classifiable))

Ecotoxicity
A: General Product Information
No information available for the product.
B: Component Analysis - Ecotoxicity - Aquatic Toxicity
Iron (7439-89-6)

<table>
<thead>
<tr>
<th>Test &amp; Species</th>
<th>Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>96 Hr LC50 Morone saxatilis</td>
<td>13.6 mg/L [static]</td>
</tr>
<tr>
<td>96 Hr LC50 Cyprinus carpio</td>
<td>0.56 mg/L [semi-static]</td>
</tr>
</tbody>
</table>

US EPA Waste Number & Descriptions
Component Waste Numbers
Chromium (7440-47-3)
RCRA: 5.0 mg/L regulatory level

Disposal Instructions
Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

US DOT Information
Shipping Name: Not Regulated

TDG Information
Shipping Name: Not Regulated

US Federal Regulation
Component Analysis
This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).
Aluminum (7429-90-5)
SARA 313: 1.0 % de minimis concentration (dust or fume only)

Methylene bis(phenylisocyanate) (101-68-8)
SARA 313: 1.0 % de minimis concentration
CERCLA: 5000 lb final RQ; 2270 kg final RQ

Manganese (7439-96-5)
SARA 313: 1.0 % de minimis concentration

Chromium (7440-47-3)
CERCLA: 5000 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is larger than 100 micrometers); 2270 kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is larger than 100 micrometers)

State Regulations

Component Analysis - State
The following components appear on one or more of the following state hazardous substances lists:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>CA</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
<th>RI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
<td>7429-90-5</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Methylene bis(phenylisocyanate)</td>
<td>101-68-8</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Magnesium</td>
<td>7439-95-4</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Manganese</td>
<td>7439-96-5</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Iron</td>
<td>7439-89-6</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Silicon</td>
<td>7440-21-3</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Chromium</td>
<td>7440-47-3</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Component Analysis - WHMIS IDL
The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>Minimum Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
<td>7429-90-5</td>
<td>1 %</td>
</tr>
<tr>
<td>Methylene bis(phenylisocyanate)</td>
<td>101-68-8</td>
<td>0.1 %</td>
</tr>
<tr>
<td>Manganese</td>
<td>7439-96-5</td>
<td>1 %</td>
</tr>
<tr>
<td>Chromium</td>
<td>7440-47-3</td>
<td>0.1 %</td>
</tr>
</tbody>
</table>

Additional Regulatory Information

Component Analysis - Inventory

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>TSCA</th>
<th>CAN</th>
<th>EEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
<td>7429-90-5</td>
<td>Yes</td>
<td>DSL</td>
<td>EINECS</td>
</tr>
<tr>
<td>Methylene bis(phenylisocyanate)</td>
<td>101-68-8</td>
<td>Yes</td>
<td>DSL</td>
<td>EINECS</td>
</tr>
<tr>
<td>Polyethylene</td>
<td>9002-88-4</td>
<td>Yes</td>
<td>DSL</td>
<td>No</td>
</tr>
<tr>
<td>Magnesium</td>
<td>7439-95-4</td>
<td>Yes</td>
<td>DSL</td>
<td>EINECS</td>
</tr>
<tr>
<td>Manganese</td>
<td>7439-96-5</td>
<td>Yes</td>
<td>DSL</td>
<td>EINECS</td>
</tr>
<tr>
<td>Iron</td>
<td>7439-89-6</td>
<td>Yes</td>
<td>DSL</td>
<td>EINECS</td>
</tr>
<tr>
<td>Silicon</td>
<td>7440-21-3</td>
<td>Yes</td>
<td>DSL</td>
<td>EINECS</td>
</tr>
<tr>
<td>Chromium</td>
<td>7440-47-3</td>
<td>Yes</td>
<td>DSL</td>
<td>EINECS</td>
</tr>
</tbody>
</table>
US. California Proposition 65
WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

**US – California Proposition 65 – Carcinogens & Reproductive Toxicity (CRT): Listed substance**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Effect</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene</td>
<td>Cancer</td>
<td>71-43-2</td>
</tr>
<tr>
<td>Carbon black (airborne, unbound particles of respirable size)</td>
<td>Cancer</td>
<td>1333-86-4</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>Cancer</td>
<td>91-20-3</td>
</tr>
<tr>
<td>Titanium dioxide (airborne, unbound particles of respirable size)</td>
<td>Cancer</td>
<td>---</td>
</tr>
<tr>
<td>Formaldehyde (gas)</td>
<td>Cancer</td>
<td>50-00-0</td>
</tr>
<tr>
<td>Chromium hexavalent</td>
<td>Cancer</td>
<td>51.9961</td>
</tr>
<tr>
<td>Chromium hexavalent</td>
<td>Developmental - All Genders</td>
<td>51.9961</td>
</tr>
</tbody>
</table>

**Other Information**
The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

**Key/Legend**
EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration, NJTSR = New Jersey Trade Secret Registry.