

CONFIDENTIAL

## Material Safety Data Sheet

Revision Date  
11-Apr-2007

### 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code  
Product name  
Recommended Use  
Supplier

DL 2150  
METALIZE  
Coating  
Drummond American Corporation  
380 Corporate Woods Parkway  
Venom Hills, IL 60061  
(847) 913-9313

Emergency telephone number  
(888) 426-4551

### 2. HAZARDS IDENTIFICATION

Emergency Overview  
Vapors extremely irritating to eyes and respiratory tract. Irritating to skin.

Aggravated Medical Conditions

None Known

Principal Routes of Exposure

Skin, Inhalation, Eyes

Potential health effects

Eyes  
Contact with eyes may cause irritation.

Skin  
Skin Irritation.

Inhalation  
May cause irritation of respiratory tract.

Ingestion  
Stomach distress. No hazard under normal industrial and institutional use.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name    | CAS No.     | Weight % |
|------------------|-------------|----------|
| Barium Sulfate   | 7727-43-7   | 5-10     |
| Propylene Glycol | 57-55-6     | 1-5      |
| 2-Butoxyethanol  | 111-76-2    | 1-5      |
| Tannic Acid      | 1401-55-4   | 1-5      |
| Fumed Silica     | 112945-52-5 | 1-5      |

### 4. FIRST AID MEASURES

Eye contact  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin contact  
Wipe excess from skin and flush with water using soap if available. Seek medical attention if irritation persists.

Ingestion  
Keep calm. Do not induce vomiting. Seek medical attention immediately.

Inhalation  
Remove to fresh air. Get medical attention if cough or respiratory symptoms develop.

### 5. FIRE FIGHTING MEASURES

Flash point °C  
Flash point °F  
Method

None  
None  
Not Applicable

Autoignition temperature °C  
Autoignition temperature °F  
Not Applicable

Flammability Limits % in Air  
Upper  
Lower  
Not Applicable

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### 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions  
Do not allow material to contaminate ground water system.

Methods for cleaning up  
Wipe or scrape up and dispose of spill.

### 7. HANDLING AND STORAGE

Handling  
Avoid contact with skin and eyes. Remove contact lenses before using this product. Keep out of reach of children.

Product code DL2150

Product name METALIZE

Storage

Keep container tightly closed. Store in original container.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| Chemical Name    | OSHA PEL (TWA)                  | OSHA PEL (Ceiling)              | ACGIH OEL (TWA)                 | ACGIH OEL (STEL)                |
|------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Barium Sulfate   | 0.5 mg/m <sup>3</sup>           | 0.5 mg/m <sup>3</sup>           | 0.5 mg/m <sup>3</sup>           | 10 mg/m <sup>3</sup>            |
| 2-Butoxyethanol  | 15 mg/m <sup>3</sup> total dust | 15 mg/m <sup>3</sup> total dust | 15 mg/m <sup>3</sup> total dust | 15 mg/m <sup>3</sup> total dust |
| Fumed Silica     | 5 mg/m <sup>3</sup> respirable  | 5 mg/m <sup>3</sup> respirable  | 5 mg/m <sup>3</sup> respirable  | 5 mg/m <sup>3</sup> respirable  |
| Propylene Glycol | 240 mg/m <sup>3</sup>           | 240 mg/m <sup>3</sup>           | 20 ppm                          | 20 ppm                          |

Ventilation and Environmental Controls

Normal ventilation is adequate.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

Respiratory protection

None necessary under normal conditions.

Hand Protection

Rubber gloves. Plastic gloves.

Eye protection

Approved safety glasses or splash goggles are recommended.

Skin and body protection

None necessary under normal conditions.

Synergistic Products

None known.

Potential health effects

Sensitization

None known.

Chronic toxicity

None known.

Mutagenic effects

None known.

Teratogenic effects

None known.

Reproductive toxicity

None known.

Target Organ Effects

Lungs, Blood, Central nervous system, Kidney, Liver, Respiratory system.

Cardiogenic effects

See table below.

Product code DL2160 Product name METALIZE

| Chemical Name    | AC         | AR         | NT         | NP         | PA         | QSHA       | RTK        | Carcinogens |
|------------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| Barium Sulfate   | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed  |
| 2-Butoxyethanol  | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed  |
| Fumed Silica     | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed  |
| Organic Acid     | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed  |
| Propylene Glycol | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed  |

#### 12. ECOLOGICAL INFORMATION

2-Butoxyethanol  
Water Flea Data  
EC50=1720 mg/L (24 h)  
Microtox Data  
Phosphorus Data  
EC50=710 mg/L (30 min)  
Water Flea Data  
EC50=1000 mg/L (48 h)

#### 13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products  
Dispose in accordance with federal, state, and local regulations

#### 14. TRANSPORTATION INFORMATION

DOT  
Not Regulated  
TIG  
Not Regulated  
IMDGIMO  
Not Regulated  
IATA  
Not Regulated  
MEX  
Not Regulated

#### 15. REGULATORY INFORMATION

Chemical Name  
Barium Sulfate  
2-Butoxyethanol  
Listed  
Listed

| Chemical Name    | New<br>RTK | Penalty<br>RTK | California Prop. 65 |
|------------------|------------|----------------|---------------------|
| Barium Sulfate   | Not Listed | Not Listed     | Not Listed          |
| 2-Butoxyethanol  | Listed     | Listed         | Not Listed          |
| Fumed Silica     | Not Listed | Not Listed     | Not Listed          |
| Organic Acid     | Not Listed | Not Listed     | Not Listed          |
| Propylene Glycol | Not Listed | Not Listed     | Not Listed          |

| Chemical Name    | ENECS | DSL | MUSL | TSCA |
|------------------|-------|-----|------|------|
| Barium Sulfate   | X     | X   | -    | X    |
| 2-Butoxyethanol  | X     | X   | -    | X    |
| Fumed Silica     | X     | X   | -    | X    |
| Organic Acid     | X     | X   | -    | X    |
| Propylene Glycol | X     | X   | -    | X    |

CPRC  
This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

#### 16. OTHER INFORMATION

HMS  
Health - 1  
Flammability - 1  
Physical Hazard - 0  
Prepared By  
Michael Katz, Regulatory Affairs Specialist  
The information accumulated herein is believed to be accurate, but is not warranted to be, whether singly or in combination. Recipients are advised to conduct their own research and use of the information is current, applicable, and suitable to their circumstances.