





# Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

	Not controlled under WHMIS (Canada).	Not controlled under the HCS (United States).
WHMIS (Pictograms)	WHMIS (Classification)	HCS

## Section 1. Chemical Product and Company Identification

<b>Product Name/ Trade name</b>	<b>CatSeal</b>	<b>Code</b>	<b>657</b>
<b>Synonym</b>	Not available.	<b>CAS #</b>	Mixture.
<b>Chemical Family</b>	Paint.	<b>Validation Date</b>	8/18/2005
<b>Chemical Formula</b>	Not applicable.	<b>Print Date</b>	8/19/2005
<b>Manufacturer/ Supplier</b>	Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607 (800) 333-2156	<b>In Case of Emergency</b>	CHEMTREC (800) 424-9300
<b>TSCA</b>	TSCA Inventory: All components listed or are exempt from listing.		
<b>DSL/ NDSL</b>	All components listed unless noted elsewhere on this MSDS		
		<b>Protective Clothing</b> 	

## Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
Dipropylene Glycol Butyl Ether	29911-28-2	1 - 5	Not available.	Not available.
Dipropylene Glycol Methyl Ether	34590-94-8	1 - 5	<b>ACGIH TLV (United States).</b> TWA: 100 ppm 8 hour(s). STEL: 150 ppm 15 minute(s). <b>OSHA PEL (United States).</b> TWA: 100 ppm 8 hour(s). <b>ACGIH TLV (United States).</b> TWA: 100 ppm 8 hour(s).	Not available.
Tributoxyethyl Phosphate	78-51-3	1 - 5	Not available.	Not available.
N-Methyl-2-Pyrrolidone	872-50-4	1 - 5	Not available.	Not available.

## Section 3. Hazards Identification

<b>Potential Acute Health Effects</b>	Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.
<b>Potential Chronic Health Effects</b>	Repeated skin exposure can produce local skin destruction, or dermatitis. Over-exposure by inhalation may cause respiratory irritation.
<b>Carcinogenic Effects</b>	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

#### **Section 4. First Aid Measures**

<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Ingestion</b>	Contact a poison control center immediately for treatment advice. Do not induce vomiting unless instructed to do so by poison control center or doctor. Take small sips of water if able to swallow. Do not give anything to by mouth to an unconscious person.

#### **Section 5. Fire Fighting Measures**

<b>Products of Combustion</b>	Not available.
<b>Fire Fighting Media and Instructions</b>	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
<b>Special Remarks on Fire Hazards</b>	Not available.
<b>Special Remarks on Explosion Hazards</b>	Not available.

#### **Section 6. Accidental Release Measures**

<b>Small Spill and Leak</b>	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
<b>Large Spill and Leak</b>	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Dike spill area and do not allow product to reach sewage system and surface or ground water. Provide notification of any reportable spill to authorities. (See Section 12 for environmental risks and 13 for disposal information.)
<b>Personal Protection in Case of a Large Spill</b>	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product.

#### **Section 7. Handling and Storage**

<b>Precautions</b>	Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.
<b>Incompatibility</b>	Not available.
<b>Storage</b>	Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 48.889°C (120°F).

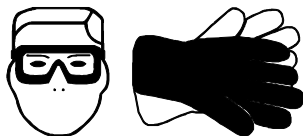
#### **Section 8. Exposure Controls/Personal Protection**

<b>Engineering Controls</b>	Good general ventilation should be sufficient to control airborne levels. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.
<b>Personal Protection</b>	
<i>Eyes</i>	Splash goggles.
<i>Body</i>	Lab coat.
<i>Respiratory</i>	

A respirator is not needed under normal and intended conditions of product use. Wear appropriate respirator when ventilation is inadequate. Be sure to use a MSHA/NIOSH approved respirator or equivalent.

**Hands** Gloves.

**Protective Clothing (Pictograms)**



**Exposure Limits**

See Section 2 For Applicable Exposure Limits

### Section 9. Physical and Chemical Properties

<b>Physical State and Appearance</b>	Liquid.	<b>Odor</b>	Characteristic.
<b>Molecular Weight</b>	Not applicable.	<b>Taste</b>	Not available.
<b>pH</b>	Not available.	<b>Color</b>	White.
<b>Boiling/Condensation Point</b>	183.89°C (363°F)		
<b>Melting/Freezing Point</b>	Not available.		
<b>Critical Temperature</b>	Not available.		
<b>Instability Temperature</b>	Not available.		
<b>Specific Gravity</b>	Not available.		
<b>Vapor Pressure</b>	Not available.		
<b>Vapor Density</b>	Not available.		
<b>Volatility</b>	Not available.		
<b>VOC</b>	322 (g/l).		
<b>Evaporation Rate</b>	Not available.		
<b>Dispersion Properties</b>	Not available.		
<b>Solubility</b>	Not available.		
<b>The Product is:</b>	May be combustible at high temperature.		
<b>Auto-ignition Temperature</b>	Not available.		
<b>Flash Points</b>	Closed cup: >176.67°C (350°F).		
<b>Flammable Limits</b>	Not available.		
<b>Fire Hazards in Presence of Various Substances</b>	Not available.		
<b>Explosion Hazards in Presence of Various Substances</b>	Not available.		

### Section 10. Stability and Reactivity Data

Stability The product is stable.

Incompatibility with Various Substances Not available.

Hazardous Decomposition Products Not available.

### Section 11. Toxicological Information

Routes of Entry Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals LD50: Not available.  
LC50: Not available.

#### Acute Effects on Humans

*Eyes* Hazardous in case of eye contact (irritant).

*Skin* Sensitization of the product: Not available.  
Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

*Inhalation* Hazardous in case of inhalation.

*Ingestion* Harmful if swallowed.

Chronic Effects on Humans Repeated skin exposure can produce local skin destruction, or dermatitis. Over-exposure by inhalation may cause respiratory irritation.

Special Remarks on Toxicity to Animals Not available.

Special Remarks on Chronic Effects on Humans Not available.

### Section 12. Ecological Information

Ecotoxicity Not available.

BOD5 and COD Not available.

Products of Biodegradation Not available.

Toxicity of the Products of Biodegradation Not available.

Special Remarks on the Products of Biodegradation Not available.

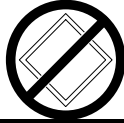
### Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Stream Not available.

## Section 14. Transport Information

DOT (U.S.A)  
(Pictograms)



TDG Classification

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PIN UN, Proper Shipping Name, PG Not applicable.

Maritime Transportation Not available.

Special Provisions for Transport Not available.

## Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) Not controlled under WHMIS (Canada).



Regulatory Lists No products were found.

Other Regulations Not available. or of its ingredients

Other Classifications

HCS (U.S.A.)

Not controlled under the HCS (United States).

USA Regulatory Lists

**WARNING:** This product contains chemical(s) known to the state of California to cause cancer, birth defects or other reproductive harm: Acrylonitrile; N-Methyl-2-Pyrrolidone  
**WARNING:** This product contains chemical(s) known to the state of California to cause birth defects or other reproductive harm.: N-Methyl-2-Pyrrolidone  
**WARNING:** This product contains chemical(s) known to the state of California to cause cancer.: Acrylonitrile

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: N-Methyl-2-Pyrrolidone  
 SARA 313 toxic chemical notification and release reporting: N-Methyl-2-Pyrrolidone 3%

DSD (EEC)

This product is not classified according to the EU regulations.

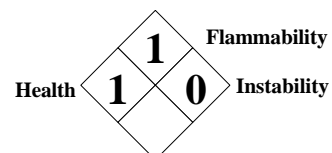
International Regulations Lists

No products were found.

Hazardous Material Information System (U.S.A.)

Health	1
Flammability	1
Physical Hazard	0

National Fire Protection Association (U.S.A.)



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

Specific Hazard

**Section 16. Other Information**

Validated by CRushton on 8/18/2005.

Verified by CRushton.

Printed 8/19/2005.

**Information Contact** COMPANY NAME  
COMPANY ADDRESS  
EMERGENCY PHONE

Notice to Reader

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

Validated on 8/18/2005.

**CatSeal**

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