

# MATERIAL SAFETY DATA SHEET

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## SECTION I

**MANUFACTURERS NAME:**

AKZO NOBEL COATINGS INC.

**STREET ADDRESS:**

1845 MAXWELL STREET  
TROY, MICHIGAN 48084

**EMERGENCY TELEPHONE NUMBERS:**

8:00AM - 4:45PM (810) 637-0400  
AFTER HOURS (810) 637-5210

**DATE OF PREPARATION:**

January 1, 2001

**PRODUCT CLASS:**

Water Reducible Acrylic Coating

**TRADE NAME:**

CETOL LOG DECOR

**MANUFACTURERS CODE IDENTIFICATION:**

00AMK44031006 LIGHT OAK  
00AMK44031009 DARK OAK  
00AMK44031030 OPAL WHITE  
00AMK44031043 CAMEL  
00AMK44031078 NATURAL  
00AMK44031996 NATURAL LIGHT

## SECTION II - HAZARDOUS INGREDIENTS:

1.	<b>CHEMICAL NAME</b> 2-BUTOXY ETHANOL	<b>COMMON NAME</b> BUTYL CELLOSOLVE	<b>% BY WT.</b> 1-5 DARK OAK & OPAL WHITE ONLY	<b>CAS #</b> 111-76-2	<b>VAPOR PRESSURE</b> 0.6
	SKIN HAZARD	<b>EXPOSURE LIMITS:</b> TLV - TWA PEL - TWA	20 ppm 50 ppm - 240 Mg/M <sup>3</sup>		
2.	<b>CHEMICAL NAME</b> DIPROPYLENE GLYCOL METHYL ETHER	<b>COMMON NAME</b> GLYCOL ETHER	<b>% BY WT.</b> 1-5	<b>CAS #</b> 34590-94-8	<b>VAPOR PRESSURE</b> 0.9
	SKIN HAZARD	<b>EXPOSURE LIMITS:</b> TLV - TWA TLV - STEL PEL - TWA	100 ppm 150 ppm 100 ppm - 600 Mg/M <sup>3</sup>		
3.	<b>CHEMICAL NAME</b> DIETHYLENE GLYCOL	<b>COMMON NAME</b> GLYCOL ETHER	<b>% BY WT.</b> 1-5 NATURAL ONLY	<b>CAS #</b> 111-46-6	<b>VAPOR PRESSURE</b> 1.0
		<b>EXPOSURE LIMITS:</b> NOT ESTABLISHED			

## SECTION II - HAZARDOUS INGREDIENTS (CONTINUED):

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<u>CHEMICAL NAME</u>	<u>COMMON NAME</u>	<u>% BY WT.</u>	<u>CAS #</u>	<u>VAPOR PRESSURE</u>
4. DIETHYLENE GLYCOL MONOETHYL ETHER	CARBITOL	1-5	111-90-0	0.1

EXPOSURE LIMITS:  
NOT ESTABLISHED

<u>CHEMICAL NAME</u>	<u>COMMON NAME</u>	<u>% BY WT.</u>	<u>CAS #</u>	<u>VAPOR PRESSURE</u>
5. DIPROPYLENE GLYCOL BUTYL ETHER	GLYCOL ETHER	1-5	29911-28-2	0.1

EXPOSURE LIMITS:  
NOT ESTABLISHED

<u>CHEMICAL NAME</u>	<u>COMMON NAME</u>	<u>% BY WT.</u>	<u>CAS #</u>	<u>VAPOR PRESSURE</u>
6. PROPYLENE GLYCOL	GLYCOL	1-5	57-55-6	0.1

EXPOSURE LIMITS:  
NOT ESTABLISHED

<u>CHEMICAL NAME</u>	<u>COMMON NAME</u>	<u>% BY WT.</u>	<u>CAS #</u>	<u>VAPOR PRESSURE</u>
7. AMORPHOUS SILICA	SILICA GEL	1-5	112926-00-8	N/A

EXPOSURE LIMITS:

TLV - TWA 10 Mg/M<sup>3</sup>  
PEL - TWA 20 Mppcf - 80 Mg/M<sup>3</sup>

<u>CHEMICAL NAME</u>	<u>COMMON NAME</u>	<u>% BY WT.</u>	<u>CAS #</u>	<u>VAPOR PRESSURE</u>
8. TITANIUM DIOXIDE	WHITE PIGMENT	1-5	13463-67-7	Not Applicable

OPAL WHITE  
ONLY

EXPOSURE LIMITS:

TLV - TWA 10 Mg/M<sup>3</sup>  
PEL - TWA, as Total Dust 15 Mg/M<sup>3</sup>

## SECTION III - PHYSICAL DATA

BOILING RANGE:

212 - 448 DEG. F

EVAPORATION RATE VS. ETHER:

Slower

PERCENT VOLATILE BY VOLUME:

74.7 - 75.0

VAPOR DENSITY:

Lighter than air.

WEIGHT PER GALLON (LBS):

8.5 - 8.7

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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**FLASH POINT:**

No flash per ASTM D93-79

**LEL:**

Not applicable

**O.S.H.A. CLASSIFICATION:**

Not classified

**EXTINGUISHING METHOD:**

Foam, carbon dioxide, dry chemicals.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

This product has been tested in a closed cup tester and found not to support combustion, as supplied. However, dehydrated residue from spillage or drippage may support combustion. Closed containers may burst (due to build up of steam pressure) when exposed to extreme heat.

**SPECIAL FIRE FIGHTING PROCEDURES:**

To prevent pressure build up, water should be used to cool containers exposed to fire.

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## SECTION V - REACTIVITY DATA

**STABILITY:**

Stable

**INCOMPATIBILITY (MATERIALS TO AVOID):**

None reasonably foreseeable.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

**HAZARDOUS POLYMERIZATION:**

Will not occur.

**CONDITIONS TO AVOID:**

Not applicable.

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## SECTION VI - HEALTH HAZARD DATA

**THRESHOLD LIMIT VALUE:**

See Section II

**EMERGENCY AND FIRST AID PROCEDURES:**

**INHALATION:** Move to fresh air. Give artificial respiration if necessary.  
**SKIN CONTACT:** Wash with soap and water.  
**EYE CONTACT:** Flush with water for at least 15 minutes, consult a physician.  
**INGESTION:** Drink one or two glasses of water to dilute. **Do not** induce vomiting. Consult physician or poison control center immediately. Treat symptomatically.

**MEDICAL CONDITIONS PRONE TO AGGRAVATION:**

None Expected.

The following **acute and chronic hazard statements** have been reported to be associated with the individual hazardous ingredients in these products. The hazards may not all be associated with all finished products.

## SECTION VI - HEALTH HAZARD DATA (CONTINUED)

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## **ACUTE:**

Excessive vapor concentration in air, especially in confined spaces, may cause asphyxiation.

Excessive inhalation of vapors can cause nasal, throat and respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.

Sanding dust or dry spray may cause irritation to the respiratory system.

Eye contact may cause irritation.

Dry dust may cause mechanical eye irritation.

Prolonged skin contact may lead to extraction of natural body oils with resultant dry skin, cracking, irritation and dermatitis and may also be absorbed through the skin.

Accumulations of sanding dust or dry spray on skin may lead to extraction of natural oils with resultant skin irritation.

Swallowing large amounts may cause liver and kidney damage.

Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Swallowing may cause intoxication characterized by uncoordination, dizziness, drowsiness, headache, nausea, mental confusion, possibly slurred speech and stupor, depending on the quantity ingested.

Aspiration of material into the lungs may cause chemical pneumoonitis, which can be fatal.

## **CHRONIC:**

Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids and vapors should be minimized.

Prolonged or continuous inhalation of vapors may cause adverse liver, kidney and blood effects.

Repeated inhalation of sanding dust or spray mist may cause lung damage.

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## **SECTION VII - SPILL OR LEAK PROCEDURES**

### **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Refer to protective measures listed in sections iv., V., Vi., VIII., And ix.

Ventilate area and remove with inert absorbent.

### **WASTE DISPOSAL METHOD:**

Incinerate in an approved facility, do not incinerate closed containers. Dispose of in accordance with federal, state, and local pollution control requirements.

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## **SECTION VIII - SAFE HANDLING & USE INFORMATION**

### **RESPIRATORY PROTECTION:**

Adequate ventilation is required. Use NIOSH/MSHA approved respirator device. See your safety equipment supplier for evaluation and recommendation. In confined areas use NIOSH/MSHA approved airline respirator or hood.

### **VENTILATION:**

Provide sufficient ventilation to keep vapor concentration below the given TLV and LEL. For baking finishes, exhaust vapors emitted on heating. Remove decomposition products formed during welding or flame cutting of surfaces coated with this product.

### **PROTECTIVE GLOVES:**

Required for prolonged or repeated contact. Refer to safety equipment supplier for effective glove recommendations.

### **EYE PROTECTION:**

Use safety eye wear designed to protect against splash of liquids.

### **OTHER PROTECTIVE EQUIPMENT:**

Eye bath and shower should be available.

### **HYGIENIC PRACTICES:**

Wash hands before eating, smoking or using washroom.

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## SECTION IX - SPECIAL PRECAUTIONS

### PRECAUTIONS TO BE TAKEN IN TRANSPORTATION HANDLING AND STORAGE:

Do not store in high temperature area. Protect from freezing.

### OTHER PRECAUTIONS:

Do not take internally. Avoid prolonged contact with skin. Observe label precautions. Keep closures tight and container upright to prevent leakage. Never use pressure to empty - drum is not a pressure vessel. Avoid breathing sanding dust. This material is electrically conductive. Do not apply by electrostatic spray equipment unless the equipment is modified and intended for the application of conductive coatings. Do not handle until the manufacturer's safety precautions have been read and understood.

## SECTION X - OTHER INFORMATION

### SECTION 313 SUPPLIER NOTIFICATION

This product, CETOL BL 91, contains the following toxic chemicals subject to the reporting requirements of SECTION 313 of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40CFR PART 372.

CAS #	CHEMICAL NAME	LIGHT OAK % BY WEIGHT	DARK OAK % BY WEIGHT	OPAL WHITE % BY WEIGHT	CARAMEL % BY WEIGHT
111-76-2	2-Butoxyethanol	N/A	1.5	2.0	N/A
111-90-0	Diethylene Glycol Monoethyl Ether	2.8	2.8	2.8	2.8

**THIS INFORMATION IS FURNISHED WITHOUT WARRANTY, EXPRESSED OR IMPLIED, EXCEPT THAT IT IS ACCURATE TO THE BEST KNOWLEDGE OF AKZO NOBEL COATINGS. THE DATA ON THIS SHEET APPLIES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN. AKZO NOBEL COATINGS ASSUMES NO LEGAL RESPONSIBILITY FOR USE OR RELIANCE UPON THIS DATA.**