

# MATERIAL SAFETY DATA SHEET

Date Printed: January 1, 2001

Page 1 of 5

## SECTION I - MANUFACTURER & PRODUCT IDENTIFICATION

**MANUFACTURERS NAME:**

AKZO NOBEL COATINGS, INC.

**STREET ADDRESS:**

1845 MAXWELL STREET  
TROY, MICHIGAN 48084

**PREPARED BY:**

RESEARCH & DEVELOPMENT DEPT.

**DATE OF PREPARATION:**

January 1, 2001

**TELEPHONE NUMBERS:**

8:00AM - 4:45PM (248) 637-0400  
CHEMTREC (800) 424-9300

**PRODUCT CLASS:**

ALKYD COATING

**MANUFACTURERS CODE IDENTIFICATION:**

00AMK43570003 COLORLESS

**TRADE NAME:**

CETOL TGL GLOSS/PLUS

## SECTION II - HAZARDOUS INGREDIENTS:

Chemical Name	Common Name	CAS #	Vapor Pressure	Exposure Limits	PPM	Mg/M <sup>3</sup>	% by wt.
Stoddard solvent	Mineral spirits	8052-41-3	2.0	TLV -- TWA PEL -- TWA	100 100	525 525	20-40
Stoddard solvent - exempt	Mineral spirits - exempt	8052-41-3	2.0	TLV -- TWA PEL -- TWA	100 100	525 525	<5
Methyl Ethyl Ketoxime	MEKO	96-29-7	10.0	None Established	-----	-----	<0.5

## SECTION III - PHYSICAL DATA

**BOILING RANGE:**

300 - 385

**EVAPORATION RATE VS. ETHER:**

SLOWER

**PERCENT VOLATILE BY VOLUME:**

53 - 55

**VAPOR DENSITY:**

LIGHTER THAN AIR

**WEIGHT PER GALLON (LBS):**

7.6 - 7.8

MSDS Code: 01.005

# MATERIAL SAFETY DATA SHEET

Date Printed: August 6, 2001

Page 2 of 5

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:**

103° F SFCC

**LEL:**

1.0

**O.S.H.A. FLAMABILITY CLASS:**

COMBUSTIBLE LIQUID - CLASS II

**EXTINGUISHING METHOD:**

FOAM, CARBON DIOXIDE, DRY CHEMICALS

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, ELECTRICAL EQUIPMENT AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. APPLICATION TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS. DURING EMERGENCY CONDITIONS OVER EXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION.

**SPECIAL FIRE FIGHTING PROCEDURES:**

WATER MAY BE INEFFECTIVE. WATER SHOULD BE USED TO COOL CONTAINERS EXPOSED TO FIRE. FIRE FIGHTING PERSONNEL SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS.

## 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

## SECTION VI - HEALTH HAZARD DATA TOXICOLOGICAL PROPERTIES AND FIRST AID MEASURES

**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.

# MATERIAL SAFETY DATA SHEET

Date Printed: August 6, 2001

Page 3 of 5

## SECTION VI - HEALTH HAZARD DATA TOXICOLOGICAL PROPERTIES AND FIRST AID MEASURES (CONT'D)

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.

### **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.
- ☛ EYE CONTACT CAUSES IRRITATION, REDNESS, TEARING, BLURRED VISION, AND A SENSATION OF SEEING HALOS AROUND LIGHTS.
- ☛ PROLONGED SKIN CONTACT MAY LEAD TO EXTRACTION OF NATURAL OILS WITH RESULTANT DRY SKIN, CRACKING, IRRITATION AND DERMATITIS.
- ☛ SWALLOWING MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.
- ☛ ASPIRATION OF MATERIAL INTO THE LUNGS MAY CAUSE CHEMICAL PNEUMONITIS, WHICH CAN BE FATAL.

NOTICE: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

### **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.
- ☛ BASED ON LAB ANIMAL TESTS, METHYL ETHYL KETOXIME HAS BEEN SHOWN TO CAUSE LIVER CANCER IN RODENTS. RELEVANCE TO HUMANS IS QUESTIONABLE.
- ☛ PROLONGED OR CONTINUOUS INHALATION OF VAPORS MAY CAUSE BLOOD CELL DAMAGE.

## 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.  
REMOVE ALL SOURCES OF IGNITION. AVOID BREATHING VAPORS. VENTILATE AREA. 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.

## SECTION VIII - SPECIAL PROTECTION 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. FOR BAKING FINISHES, EXHAUST VAPORS EMITTED ON HEATING. REMOVE DECOMPOSITION PRODUCTS FORMED DURING WELDING OR FLAME CUTTING OF SURFACES COATED WITH THIS PRODUCT.

# MATERIAL SAFETY DATA SHEET

Date Printed: August 6, 2001

Page 4 of 5

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## SECTION VIII - SPECIAL PROTECTION INFORMATION (CONT'D)

### **PROTECTIVE GLOVES:**

REQUIRED FOR PROLONGED OR REPEATED CONTACT. REFER TO SAFETY EQUIPMENT SUPPLIER FOR EFFECTIVE GLOVE RECOMMENDATIONS.

### **EYE PROTECTION:**

USE SAFETY EYEWEAR DESIGNED TO PROTECT AGAINST SPLASH OF LIQUIDS.

### **OTHER PROTECTIVE EQUIPMENT:**

EYE BATH AND SHOWER SHOULD BE AVAILABLE. USE CHEMICAL RESISTANT APRON, BOOTS OR OTHER CLOTHING IF NEEDED TO AVOID REPEATED OR FREQUENT SKIN CONTACT. LIQUID MAY PENETRATE SHOES AND LEATHER CAUSING DELAYED IRRITATION.

### **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:**

STORE CONTAINERS OUT OF SUN AND AWAY FROM HEAT, SPARKS AND OPEN FLAMES. CLOSE CONTAINERS AFTER EACH USE. CONSULT N.F.P.A. CODE FOR ADDITIONAL STORAGE REQUIREMENTS.

### **OTHER PRECAUTIONS:**

DO NOT TAKE INTERNALLY. USE APPROVED BONDING AND GROUNDING PROCEDURES. 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. DO NOT WELD OR FLAME CUT AN EMPTY DRUM. DO NOT HANDLE UNTIL THE MANUFACTURER'S SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.

### **IMPORTANT! STORAGE AND DISPOSAL:**

**DANGER! RAGS, STEEL WOOL, BRUSHES, ROLLERS, AND ANY WASTE WET, SOAKED WITH THIS PRODUCT MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY DISPOSED OR STORED.** To avoid a spontaneous combustion fire, immediately after each use place rags, steel wool, brushes, rollers or waste in a sealed, water-filled metal container. Keep away from combustible materials. For disposal guidance, contact your household refuse collection service, fire department, county or state government environmental control agency.

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## SECTION X - OTHER INFORMATION

### **CALIFORNIA PROPOSITION 65:**

WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

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MSDS Code: 01.005

## MATERIAL SAFETY DATA SHEET

Date Printed: August 6, 2001

Page 5 of 5

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### SECTION 313 SUPPLIER NOTIFICATION

THIS PRODUCT, 00AMK43570003, DOES NOT CONTAIN TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40CFR PART 372.

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