

MATERIAL SAFETY DATA SHEET

Date Printed: JANUARY 1, 2000

Page 1 of 7

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

EMERGENCY TELEPHONE NUMBERS:

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

PRODUCT CLASS:

WATER REDUCIBLE WIPING STAIN

TRADE NAME:

CETOL INTERIOR STAIN

MANUFACTURERS CODE IDENTIFICATION:

00AMW45502004 NATURAL OAK
00AMW45502010 WALNUT
00AMW45502023 BURGANDY
00AMW45502030 OPAL WHITE
00AMW45502044 CHERRY
00AMW45502045 MAHOGANY
00AMW45502061 HUNTER GREEN
00AMW45502072 BUTTERNUT
00AMW45502074 IPSWICH PINE
00AMW45502078 NATURAL
00AMW45502083 FRUITWOOD
00AMW45502085 TEAK

SECTION II HAZARDOUS INGREDIENTS CHART

MSDS Code: 01.036

MATERIAL SAFETY DATA SHEET

Date Printed: **JANUARY 1, 2000**

Page 2 of 7

**The following hazardous ingredients are present in one or more products.
See the attached APPENDIX A for specific chemical content.**

Number	Chemical Name	CAS #	Vapor Pressure	Exposure Limits	LD 50 – LC 50	
1	Carbon Black	1333-86-4	N/A	TLV -- TWA PEL -- TWA Possible carcinogenic hazard.	3.5 mg/M ³ 3.5 mg/M ³	Not Established
2	Dipropylene Glycol Methyl Ether	34590-94-8	0.9	TLV -- TWA STEL PEL -- TWA Skin Hazard	100 ppm 150 ppm 100 ppm 600 mg/M ³	LD 50: ORAL RAT 5660 mg/Kg ORAL DOG 7500 mg/Kg DERMAL RAT 9500 mg/Kg
3	Diethylene Glycol	111-46-6	1.0	Not Established		Not Established
4	Ethylene Glycol	107-21-1	0.1	TLV -- STEL	100 mg/M ³	LD 50: ORAL RAT 8540 mg/Kg ORAL MUS 7500 mg/Kg ORAL GPG 6610 mg/Kg
5	Propylene glycol	57-55-6	0.1	Not Established		LD 50: ORAL RAT 20 mg/Kg ORAL MUS 24 mg/Kg ORAL RBT 20 mg/Kg DERMAL RBT 20800 mg/Kg
6	Iron Oxide	1309-37-1	N/A	TLV -- TWA, fume, as Fe PEL -- TWA, fume, as Fe	5 mg/M ³ 10 mg/M ³	Not Established
7	Titanium Dioxide	13463-67-7	N/A	TLV -- TWA PEL -- TWA, as total dust	10 mg/M ³ 15 mg/M ³	Not Established
8	Quartz SiO ₂ (Crystalline Silica)	14808-60-7	N/A	TLV -- TWA, as respirable fraction PEL -- TWA, as total dust TWA, as respirable dust Possible carcinogenic hazard.	0.1 mg/M ³ 30 mg/M ³ 10 mg/M ³ 250 Mppcf	Not Established

SECTION III – PHYSICAL DATA

BOILING RANGE:
212 – 469^oF

EVAPORATION RATE VS. ETHER:
SLOWER

PERCENT VOLATILE BY VOLUME:
78 – 81%

VAPOR DENSITY:
LIGHTER THAN AIR

WEIGHT PER GALLON (LBS):
8.55 – 9.10

MATERIAL SAFETY DATA SHEET

Date Printed: JANUARY 1, 2000

Page 3 of 7

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:

NO FLASH PER ASTM D93-79

LEL:

N/A

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.

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: JANUARY 1, 2000

Page 4 of 7

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. THESE HAZARDS MAY NOT ALL BE ASSOCIATED WITH ANY ONE FINISHED PRODUCT. **SEE APPENDIX A** TO DETERMINE WHICH STATEMENTS WILL APPLY TO EACH PRODUCT.

ACUTE:

- A1** EXCESSIVE INHALATION OF VAPOR MAY CAUSE AN ANESTHETIC EFFECT AND EVENTUALLY LOSS OF CONSCIOUSNESS.
- A2** INHALATION OF VAPORS AT ELEVATED TEMPERATURE MAY CAUSE NOSE, THROAT AND RESPIRATORY IRRITATION.
- A3** SKIN CONTACT MAY CAUSE IRRITATION, REDNESS, AND ITCHING.
- A4** INHALATION OF SPRAY MIST MAY CAUSE IRRITATION TO THE NOSE, THROAT AND RESPIRATORY PASSAGES.
- A5** INHALATION OF SPRAY MIST MAY CAUSE LUNG DAMAGE.
- A6** SANDING DUST OR DRY SPRAY MAY CAUSE IRRITATION TO THE RESPIRATORY SYSTEM.
- A7** EYE CONTACT MAY CAUSE IRRITATION.
- A8** DRY DUST MAY CAUSE MECHANICAL EYE IRRITATION.
- A9** PROLONGED SKIN CONTACT MAY LEAD TO EXTRACTION OF NATURAL OILS WITH RESULTANT DRY SKIN, CRACKING, IRRITATION AND DERMATITIS.
- A10** ACCUMULATIONS OF SANDING DUST OR DRY SPRAY ON SKIN MAY LEAD TO EXTRACTION OF NATURAL OILS WITH RESULTANT SKIN IRRITATION.
- A11** SWALLOWING LARGE AMOUNTS MAY CAUSE KIDNEY DAMAGE.
- A12** SWALLOWING LARGE AMOUNTS MAY CAUSE LIVER AND KIDNEY DAMAGE.
- A13** SWALLOWING MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.
- A14** SWALLOWING MAY CAUSE INTOXICATION CHARACTERIZED BY UNCOORDINATION, DIZZINESS, DROWSINESS, HEADACHE, NAUSEA, MENTAL CONFUSION, POSSIBLY SLURRED SPEECH AND STUPOR, DEPENDING ON THE QUANTITY INGESTED.

CHRONIC:

- C1** CHRYSTYLLINE SILICA IS LISTED BY IARC AS CARCINOGENIC TO HUMANS (GROUP 1) AND NTP AS A REASONABLY ANTICIPATED CARCINOGEN.
- C2** CONTAINS CARBON BLACK WHICH HAS BEEN SHOWN TO CAUSE CANCER IN LABORATORY ANIMALS BY INHALATION AND IS LISTED AS A SUSPECT CARCINOGEN BY IARC (GROUP 2B).
- C3** 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.
- C4** REPEATED AND PROLONGED INHALATION OR SKIN CONTACT MAY CAUSE LIVER AND KIDNEY DAMAGE.
- C5** REPEATED INHALATION OF SANDING DUST OR SPRAY MIST MAY CAUSE LUNG DAMAGE.
- C6** PROLONGED AND CONTINUOUS EXPOSURE TO AN EXCESSIVE CONCENTRATION OF DUST OF ANY KIND MAY HAVE AN ADVERSE PULMONARY EFFECT ON SOME PEOPLE.

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.

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 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 EYEWEAR 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.

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.

WARNING: All colors contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

MATERIAL SAFETY DATA SHEET

Date Printed: JANUARY 1, 2000

Page 6 of 7

SECTION 313 SUPPLIER NOTIFICATION

THIS PRODUCT, CETOL INTERIOR STAIN, 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	PRODUCT CODE 00AMW45502023 % BY WEIGHT	PRODUCT CODE 00AMW45502030 % BY WEIGHT
107-21-1	Ethylene Glycol	2.1	1.8

CAS #	CHEMICAL NAME	PRODUCT CODE 00AMW45502061 % BY WEIGHT
107-21-1	Ethylene Glycol	3.8

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.

**APPENDIX A
CETOL INTERIOR STAIN**

*** HAZARDOUS
INGREDIENTS**

**** HEALTH HAZARD
STATEMENTS**

PRODUCT CODE	CHEMICAL #	ACUTE	CHRONIC
00AMW45502004	2 - 5	A1 - A7 - A9 - A12 - A13	C4
00AMW45502010	1 - 2 - 3 - 5	A1 - A3 - A5 - A6 - A7 - A8 A9 - A10 - A12 - A13	C2 - C4 - C6
00AMW45502023	1 - 2 - 4 - 5	A1 - A2 - A4 - A6 - A7 - A8 A9 - A10 - A11 - A12 - A13 A14	C2 - C3 - C4 - C6
00AMW45502030	2 - 4 - 5 - 7	A1 - A2 - A4 - A6 - A7 - A8 A9 - A10 - A11 - A12 - A13 A14	C3 - C4 - C6
00AMW45502044	2 - 5 - 8	A1 - A6 - A7 - A8 - A9 - A10 A12 - A13	C1 - C4 - C5
00AMW45502045	1 - 2 - 3 - 5	A1 - A3 - A5 - A6 - A7 - A8 A9 - A10 - A12 - A13	C2 - C4 - C6
00AMW45502061	2 - 4 - 5	A1 - A2 - A4 - A7 - A9 - A11 A12 - A13 - A14	C3 - C4
00AMW45502072	1 - 2 - 5 - 6	A1 - A6 - A7 - A8 - A9 - A10 A12 - A13	C2 - C4 - C6
00AMW45502074	2 - 5	A1 - A7 - A9 - A12 - A13	C4
00AMW45502078	2 - 5	A1 - A7 - A9 - A12 - A13	C4
00AMW45502083	2 - 5	A1 - A7 - A9 - A12 - A13	C4
00AMW45502085	2 - 3 - 5 - 6	A1 - A3 - A5 - A6 - A7 - A8 A9 - A10 - A12 - A13	C4 - C6

*** see SECTION II for HAZARDOUS INGREDIENT INFORMATION**

**** see SECTION VI for ACUTE & CHRONIC STATEMENTS**