

MATERIAL SAFETY DATA SHEET

DATE: March 14, 2001

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SECTION I - MANUFACTURER & PRODUCT INFORMATION

MANUFACTURERS NAME:

AKZO NOBEL COATINGS INC.

STREET ADDRESS:

1845 MAXWELL STREET
TROY, MI 48084

TELEPHONE NUMBERS:

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

PRODUCT CLASS:

Linseed Oil Alkyd Coating

TRADE NAME:

CETOL SRD, CALIFORNIA

MANUFACTURERS CODE: IDENTIFICATION:

00AMK47182005 NATURAL OAK
00AMK47182054 CALIFORNIA REDWOOD
00AMK47182085 TEAK
00AMK47182089 REDWOOD
00AMK47182996 NATURAL LIGHT

SECTION II - HAZARDOUS INGREDIENTS

1.	<u>CHEMICAL NAME</u> ETHYL BENZENE <u>EXPOSURE LIMITS:</u> TLV - TWA - STEL PEL - TWA - STEL	<u>COMMON NAME</u> AROMATIC SOLVENT <u>PPM - Mg/M³</u> 100 - 434 125 - 543 100 - 435 125 - 545	<u>% BY WT.</u> <1	<u>CAS #</u> 100-41-4	<u>VAPOR PRESSURE</u> 10.0
2.	<u>CHEMICAL NAME</u> PETROLEUM DISTILLATE <u>EXPOSURE LIMITS:</u> TLV - TWA PEL - TWA	<u>COMMON NAME</u> PETROLEUM SOLVENT <u>PPM - Mg/M³</u> 100 - 525 400 - 1600	<u>% BY WT.</u> 25 - 35	<u>CAS #</u> 64742-47-8	<u>VAPOR PRESSURE</u> 2.0
3.	<u>CHEMICAL NAME</u> METHYL ETHYL KETOXIME <u>EXPOSURE LIMITS:</u> NONE ESTABLISHED	<u>COMMON NAME</u> MEKO <u>PPM - Mg/M³</u>	<u>% BY WT.</u> <1	<u>CAS #</u> 96-29-7	<u>VAPOR PRESSURE</u> 10.0
4.	<u>CHEMICAL NAME</u> STODDARD SOLVENT <u>EXPOSURE LIMITS:</u> TLV - TWA PEL - TWA	<u>COMMON NAME</u> MINERAL SPIRITS <u>PPM - Mg/M³</u> 100 - 525 100 - 525	<u>% BY WT.</u> <5	<u>CAS #</u> 8052-41-3	<u>VAPOR PRESSURE</u> 2.0
5.	<u>CHEMICAL NAME</u> POLYMERIZED LINSEED OIL <u>EXPOSURE LIMITS:</u> NOT ESTABLISHED	<u>COMMON NAME</u> LINSEED OIL	<u>% BY WT.</u> 20-35	<u>CAS #</u> 67746-08-1	<u>VAPOR PRESSURE</u> NA
6.	<u>CHEMICAL NAME</u> AMORPHOUS SILICA <u>EXPOSURE LIMITS:</u> TLV - TWA PEL - TWA	<u>COMMON NAME</u> SILICA GEL <u>PPM - Mg/M³</u> 10 80	<u>% BY WT.</u> 5-20	<u>CAS #</u> 112926-00-8	<u>VAPOR PRESSURE</u> NA

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SECTION II - HAZARDOUS INGREDIENTS (CONTINUED)

<u>CHEMICAL NAME</u>	<u>COMMON NAME</u>	<u>% BY WT.</u>	<u>CAS #</u>	<u>VAPOR PRESSURE</u>
7. XYLENE	XYLENE	<5	1330-20-7	9.5
<u>EXPOSURE LIMITS:</u>	<u>PPM - Mg/M³</u>			
TLV - TWA	100 - 434			
- STEL	150 - 651			
PEL - TWA	100 - 435			
- STEL	150 - 655			

SECTION III - PHYSICAL DATA

BOILING RANGE:

300°F - 490°F

VAPOR DENSITY:

HEAVIER THAN AIR

EVAPORATION RATE:

Slower than ethyl ether.

PERCENT VOLATILE BY VOLUME:

42 - 44

WEIGHT PER GALLON (LBS.):

7.9-8.0

SECTION IV - FIRE & EXPLOSION HAZARD DATA

FLASH POINT:

105°F SFCC

L.E.L.:

0.6

O.S.H.A. CLASSIFICATION:

COMBUSTIBLE LIQUID-CLASS II

EXTINGUISHING MEDIA:

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, overexposure to decomposition products may cause a health hazard. Symptoms 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:

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

HAZARDOUS POLYMERIZATION:

Will not occur.

CONDITIONS TO AVOID:

Not applicable.

SECTION VI - HEALTH HAZARD DATA

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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 & water.

EYE CONTACT: Flush with water for at least 15 minutes, consult a physician.

INGESTION: Drink 1 or 2 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.

ACUTE HEALTH HAZARDS:

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 causes irritation, redness, tearing, blurred vision and a sensation of seeing halos around lights.

Vapors may cause severe eye irritation, redness, tearing and blurred vision.

Dry dust may cause mechanical irritation.

Prolonged contact with the skin may lead to extraction of natural oils with resultant mild irritation.

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

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

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 HAZARDS:

Based on lab animal tests, methyl ethyl ketoxime has been shown to cause liver cancer in rodents. Relevance to humans is questionable.

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 of petroleum products should be minimized.

Prolonged or continuous inhalation of vapors may cause blood cell damage.

Chronic exposure may cause liver and kidney damage and cardiac abnormalities.

Overexposure may cause red blood cell and leukocyte disorders which may result in an anemic condition.

This product contains ethylbenzene. A draft report on a study by the National Toxicology program states that lifetime inhalation exposure of rats and mice to concentrations of ethylbenzene (750 ppm) resulted in increases in certain types of cancer, including kidney tumors in rats and lung tumors in mice. These effects were not observed in animals exposed to lower concentrations of ethylbenzene (75 ppm or 250 ppm). The draft report does not address the relevance of these results to humans.

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

SECTION VII - SPILL OR LEAK PROCEDURES

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

Refer to protective measures listed in sections IV, V, VI, VII 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 containers. Dispose of in accordance with federal, state and local pollution control requirements.

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 L.E.L. for baking finishes, exhaust vapors emitted on heating. Remove decomposition products formed during welding or flame cutting of surfaces 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. 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 PRACTICE:

Wash hands before eating, smoking or using washroom.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

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.

SECTION X - OTHER INFORMATION

IMPORTANT! STORAGE AND DISPOSAL:

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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.

CALIFORNIA PROPOSITION 65:

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

SECTION 313 SUPPLIER NOTIFICATION:

These products contain 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.

PRODUCT #	XYLENE 1330-20-7	ETHYL BENZENE 100-41-4
00AMK47182005	2.9%	0.7%
00AMK47182054	2.9%	0.7%
00AMK47182085	2.9%	0.7%
00AMK47182089	2.9%	0.7%
00AMK47182996	2.9%	0.7%

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