

FEB 27 1990

MANUFACTURER, S NAME : HENTZEN COATINGS, INC.  
 ADDRESS : 6937 WEST MILL ROAD  
 ADDRESS : P.O. BOX 18642  
 CITY, STATE : MILWAUKEE, WISCONSIN 53218

EMERGENCY TELEPHONE NO. DAY: (414)353-4200 NIGHT: (800)424-9300  
 INFORMATION TELEPHONE NO. DAY: (414)353-4200 NIGHT: NOT AVAILABLE

SECTION I -- PRODUCT IDENTIFICATION

MANUFACTURERS CODE IDENTIFICATION: 09437ADF  
 PRODUCT CLASS: ALKYD-COPOLYMER  
 TRADE NAME: DARK GRAY HIGH SOLIDS AIR DRY ENAMEL  
 HMIS INFORMATION \*\* HEALTH- 2 FLAMMABILITY- 3  
 REACTIVITY- 0 PERSONAL PROTECTIVE EQUIPMENT-

SECTION II -- HAZARDOUS INGREDIENTS

INGREDIENT MATERIAL DESCRIPTION	CAS#	% BY WEIGHT	ACGIH TLV(TWA) PPM	OSHA PEL PPM	OTHER LIMITS RECOMMENDED
XYLENE	*** 1330-20-7	16.44	100.000	100.000	STEL=150PPM
TITANIUM DIOXIDE	13463-67-7	1.0 - 5.0	3.000	3.000	PEL & TLV =  10MG/M3
BARIUM SULFATE	*** 7727-43-7	36.45	1.047	1.047	NUISANCE DUST  PEL & TLV =  10MG/M3
METHYL PROPYL KETONE (2-PENTANONE)	107-87-9	1.0 - 5.0	200.000	200.000	STEL=250PPM  (ACGIH)
AROMATIC HYDROCARBONS (MIXTURE OF C8'S-C10'S)	64742-95-6	5 - 10	NOT EST	NOT EST	100PPM =  MFR'S LIMIT

\*\*\*THESE CHEMICALS ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND 40 CFR 372.

SECTION III -- PHYSICAL DATA

BOILING RANGE HIGH 418.0 DF LOW 211.0 DF  
 VAPOR PRESSURE 27.80  
 VAPOR DENSITY HEAVIER THAN AIR  
 EVAPORATION RATE FASTER THAN BUTYL ACETATE  
 WEIGHT PER GALLON 11.99  
 % VOLATILE BY VOLUME 48.39  
 % VOLATILE BY WEIGHT 28.89  
 APPEARANCE-OPAQUE LIQUID  
 ODOR-SOLVENT ODOR  
 PH-NOT APPLICABLE  
 WATER SOLUBILITY-NEGLIGIBLE

## SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION OSHA-CLASS IB DOT- FLAMMABLE LIQUID  
LOWEST FLASHPOINT T.C.C. 45.0DF LOWER EXPLOSION LEVEL (LEL) .5

EXTINGUISHING MEDIA: ( X )-FOAM ( )-ALCOHOL FOAM ( X )-CO2  
( X )-DRY CHEMICAL ( )-WATER FOG ( )-OTHER

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed container may explode when exposed to extreme heat. Do not apply to hot surfaces. Never use welding or cutting torch on or near drum (even empty) because product (even residue) can ignite explosively.

SPECIAL FIRE FIGHTING PROCEDURES: Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure build up or possible autoignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

## SECTION V -- HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: INHALATION: Anesthetic. Irritation of the respiratory tract or acute nervous system depression characterized by the following progressive steps if severe overexposure is continued: headache, dizziness, staggering gait, confusion, or coma.

SKIN or EYE CONTACT: Primary irritation.

CHRONIC: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage, liver and kidney damage. According to currently available information, this product is not considered to be Carcinogenic or potentially Carcinogenic by OSHA, NTP or IARC.

PRIMARY ROUTE(S) OF ENTRY: (X)DERMAL (X) INHALATION ( )INGESTION

EMERGENCY AND FIRST AID PROCEDURES: VAPORS: Remove from exposure. Restore breathing. Keep warm and quiet. Notify a physician. EYES: Flush immediately with large amounts of running water for at least 15 minutes. Take to a physician for medical treatment. SKIN: Wash affected areas with soap and water. Remove contaminated clothing. Consult a physician.

INGESTION: If swallowed, CALL A PHYSICIAN IMMEDIATELY.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Asthma and other respiratory ailments; chemical sensitization.

## SECTION VI -- REACTIVITY DATA

STABILITY: ( )-UNSTABLE ( X )-STABLE

HAZARDOUS POLYMERIZATION ( )-WILL OCCUR ( X )-WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: May produce hazardous fumes when heated to decomposition as in welding. Fumes may contain carbon monoxide and carbon dioxide.

CONDITIONS TO AVOID: Not applicable.

INCOMPATIBILITY (MATERIALS TO AVOID): Not available.

## SECTION VII -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition (flames, hot surfaces and electrical, static or frictional sparks). Avoid breathing vapors. Ventilate area. Contain and remove with inert absorbent and nonsparking tools.

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state and federal regulations. Do not incinerate closed containers. Incinerate in an approved facility.

## SECTION VIII -- SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: When spray applied in outdoor or open areas, and during sanding or grinding operations, use NIOSH approved mechanical filter respirator to remove solid airborne particles of overspray and sanding dust. When used in restricted ventilation areas, wear NIOSH approved chemical/mechanical filters designed to remove a combination of particulate, gas and vapor. When used in confined areas, wear NIOSH approved air supplied respirators or hoods. Use NIOSH approved respirators when flame cutting, welding or hazing material coated with this product.

VENTILATION: Provide general dilution or local exhaust ventilation in volume and pattern to keep the air contaminant concentration below current applicable OSHA safety and health requirements in the mixing, application and curing areas; and to remove decomposition products during welding and flame cutting on surfaces coated with this product.

PROTECTIVE GLOVES: Required for prolonged or repeated contact.

EYE PROTECTION: Use safety eyewear with splash guards or side shields.

OT. : PROTECTIVE EQUIPMENT: Use protective skin cream where contact is likely. Prevent prolonged skin contact with contaminated clothing. Wash contaminated clothing before reuse.

HYGIENIC PRACTICES: Wash hands before eating or smoking. Smoke in smoking areas only.

## SECTION IX -- SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store above 120 F. Store large quantities in buildings designed to comply with OSHA 1910.106. Keep away from sparks and open flame.

OTHER PRECAUTIONS: Do not take internally. Containers should be grounded when pouring. Avoid free fall of liquid in excess of a few inches. Use with adequate ventilation and respiratory equipment. See Section VIII. Avoid prolonged breathing of vapor or spray mist. Avoid prolonged or repeated skin contact. Emptied containers may retain hazardous residue or explosive vapors. Follow all hazard precautions in this data sheet until container is thoroughly cleaned or destroyed. \*\*\*\*MSDS EFFECTIVE - 1/12/90