

REC'D JUN 20 2000

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PAI00077

MATERIAL SAFETY DATA SHEET  
SECTION 1 - PRODUCT AND MANUFACTURER IDENTIFICATION

03920ADA

PRODUCT IDENTIFICATION:

PRODUCT NUMBER: 03920ADA  
TRADE NAME: GRAY POLY-ZEN ENAMEL  
PRODUCT CLASS: ALKYD COPOLYMER

MSDS PREPARATION DATE: 06/15/2000

MANUFACTURER IDENTIFICATION:

NAME: HENTZEN COATINGS, INC.  
ADDRESS: 6937 W. MILL ROAD  
P.O. BOX 18749  
MILWAUKEE WI 53218

TELEPHONE: 414-353-4200  
EMERGENCY: 800-424-9300 (CHEMTREC)

SECTION 2 - INFORMATION ON INGREDIENTS

1  
CAS# 13463-67-7  
TITANIUM DIOXIDE  
PCT BY WT: 10-15  
EXPOSURE LIMIT:  
ACGIH TLV/TWA 10 MG/M3  
OSHA PEL 10 MG/M3

2  
CAS# MIXTURE  
COBALT COMPOUNDS  
PCT BY WT: .3250  
EXPOSURE LIMIT:  
ACGIH TLV/TWA 0.02 PPM  
OSHA PEL 0.1 PPM FOR METAL DUST AND FUME  
OTHER LIMITS COBALT COMPOUNDS ARE LISTED BY IARC AS  
OTHER INFORMATION - GROUP 2B. PLEASE SEE SECTION 3.

3  
CAS# 108-88-3  
TOLUENE  
PCT BY WT: 3.8060  
EXPOSURE LIMIT:  
ACGIH TLV/TWA 50 PPM  
OSHA PEL 100 PPM  
OTHER LIMITS SKIN NOTATION

4  
CAS# 1330-20-7  
XYLENE  
PCT BY WT: 18.5210  
EXPOSURE LIMIT:  
ACGIH TLV/TWA 100 PPM  
OSHA PEL 100 PPM  
OTHER LIMITS STEL = 150 PPM

5  
CAS# 64742-89-8  
VH&P NAPHTHA  
PCT BY WT: 20-30  
EXPOSURE LIMIT:  
ACGIH TLV/TWA 300 PPM  
OSHA PEL 300 PPM

6  
CAS# 100-42-5  
STYRENE MONOMER  
PCT BY WT: .1510

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steps if severe overexposure is continued: headache, dizziness, staggering gait, confusion or unconsciousness.

**INGESTION:**

If swallowed, consult a physician immediately.

**CHRONIC EFFECTS:**

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage, liver and kidney damage.

There are reports that long-term repeated exposure to Xylene may result in some loss of hearing.

There are reports that long-term repeated exposure to Toluene may result in some loss of hearing.

**CARCINOGENICITY:**

This product has not been tested as a whole for carcinogenicity. Contains Styrene which has been shown to cause cancer in laboratory animals by ingestion and is listed as a suspect carcinogen by IARC (group 2B). The Cobalt compound in this product has not been specifically identified as causing cancer in humans or animals. However, IARC has listed "Cobalt and Cobalt compounds" as possibly carcinogenic (group 2B) based upon laboratory animal studies.

**MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:**

Asthma and other respiratory ailments; chemical sensitization.

**SECTION 4 - FIRST AID MEASURES****EYE CONTACT:**

Flush immediately with large amounts of running water for at least 15 minutes while lifting eyelids. Take to a physician for medical treatment.

**SKIN CONTACT:**

Wash affected areas with soap and water. Remove contaminated clothing and wash before reuse. Consult a physician if irritation develops or persists.

**INHALATION:**

Remove from exposure. Restore breathing. Keep warm and quiet. Notify a physician.

**INGESTION:**

If swallowed, CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

**SECTION 5 - FIRE FIGHTING MEASURES****FIRE AND EXPLOSION PROPERTIES:**

FLASH POINT: 42.0 F  
Flash Point Method: Tag Closed Cup

EXPLOSION LEVELS: Low - .9  
High - 7.6

AUTOIGNITION TEMPERATURE: -N/A

**EXTINGUISHING MEDIA:**

Carbon Dioxide, Dry Chemical or Foam.

**FIRE-FIGHTING PROCEDURES AND EQUIPMENT:**

Full protective equipment including self-contained breathing apparatus should be worn. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flames.

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During sanding or grinding operations, use a NIOSH approved particulate respirator to remove solid airborne particles of sanding dust.  
 Use NIOSH approved respirators when flame cutting, welding or hazing material coated with this product.  
 Observe OSHA regulations for respirator use (29 CFR 1910.134).  
 Air monitoring of the workplace may be required to determine appropriate respirator selection.

**EYE PROTECTION:**

Use safety eyewear with splash guards or side shields.

**SKIN PROTECTION:**

It is good industrial hygiene practice to minimize skin contact.  
 Chemical resistant gloves are required for prolonged or repeated contact.  
 An apron may be appropriate to protect against skin contact.  
 Prevent prolonged skin contact with contaminated clothing. Wash contaminated clothing before reuse.

**OTHER PROTECTIVE EQUIPMENT AND GUIDELINES:**

Safety showers and eye wash stations should be available.  
 Educate and train employees in the safe use of this product.

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 SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES  
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PHYSICAL STATE: LIQUID  
 APPEARANCE: OPAQUE LIQUID  
 ODOR: SOLVENT ODOR  
 ODOR THRESHOLD: -N/A  
 EVAPORATION RATE: 2.240 (n-Butyl Acetate = 1)  
 VAPOR PRESSURE: 22.00  
 VAPOR DENSITY: 4.10  
 VOC (LB/GL): 4.658  
 VOC (grams/liter): 558.16  
 WEIGHT PER GALLON: 8.6350 LB/GL  
 SPECIFIC GRAVITY: 1.037  
 % NONEXEMPT SOLVENT by WEIGHT: 53.9446  
 % NONEXEMPT SOLVENT by VOLUME: 69.0649  
 BOILING RANGE: Lower - 230.0 F  
 Higher - 298.0 F  
 WATER SOLUBILITY: NEGLIGIBLE  
 pH: -N/A  
 FREEZING POINT: -N/A

N/A : Not Available or Not Applicable

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 SECTION 10 - STABILITY AND REACTIVITY  
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STABILITY: ( ) - UNSTABLE ( X ) - STABLE

**CONDITIONS TO AVOID:**

See HAZARDOUS DECOMPOSITION PRODUCTS.

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 the following:  
 Carbon Monoxide, Carbon Dioxide and other toxic vapors depending upon the temperature reached.

**INCOMPATIBILITIES (MATERIALS TO AVOID):**

Strong oxidizers.

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THE INFORMATION CONTAINED HEREIN IS INFORMATION RECEIVED FROM OUR RAW  
MATERIAL SUPPLIERS AND OTHER SOURCES AND IS BELIEVED TO BE RELIABLE.  
THIS DATA IS NOT TO BE TAKEN AS A WARRANTY OR REPRESENTATION FOR WHICH  
HENTZEN COATINGS, INC. ASSUMES LEGAL RESPONSIBILITY.  
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