

# MATERIAL SAFETY DATA SHEET

**MANUFACTURER'S NAME:**

QUALITY SYSTEMS, INC.  
1101 Menzler Road  
Nashville, TN 37210

**EMERGENCY TELEPHONE NO.:**

(800) 535-5053

**DATE OF PREPARATION:**

10-03-96

**INFORMATION TELEPHONE NO.:**

(800) 607-3762

## SECTION I-PRODUCT IDENTIFICATION

**PRODUCT NAME:**

PERMA•PRIME E COAT (Part A)

## SECTION II-HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	OSHA PEL	VAP/PRESS	% IN
WATER	7732-18-5	N/A	17-5	68.5
EPOXY ESTER RESIN	TRADE SECRET	N/A	0	20.7
STYRENE ACRYLIC POLYMER	TRADE SECRET	N/A	0	5.4
OCTYPHENOL ETHOXYLATE	9036-19-5	N/A	0	3.6
VMP NAPHTA	64742-89-8	300	30	1.2

(\*) Subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372. Distribution of this product must be accompanied by a copy of this MSDS.

## SECTION III-PHYSICAL DATA

<b>BOILING POINT:</b>	212-250 °F	<b>EVAPORATION</b>	
<b>WIGAL:</b>	8.45 lb	<b>RATE:</b>	Slower Than Ether
<b>VOC:</b>	0.10 lb/gl (12 g/l)	<b>%VOLATILEVOLUME:</b>	<1%
<b>% WEIGHT SOLIDS:</b>	30%		

## SECTION IV-FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Slightly Combustible - Class II

**FLASH POINT:** N/A

**EXTINGUISHING MEDIA:** Foam, Alcohol Foam, CO<sub>2</sub>, Dry Chemical, Water Fog, Other

**SPECIAL FIRE FIGHTING PROCEDURES:** Respiratory equipment should be worn to avoid inhalation of concentrated vapors. Water should not be used except as fog to keep nearby containers cool.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** Material is combustible. Keep away from heat and flame.

**HMIS CODES:** H - 1; F - 1; R - 0; PP - B

## SECTION V-HEALTH HAZARD DATA

**ROUTES OF ENTRY:** Inhalation: Yes Skin: Yes Ingestion: Yes

**SECTION V-HEALTH HAZARD DATA-Cont'd.**

**EFFECTS OF OVEREXPOSURE:**

**INHALATION:** Dizziness, breathing difficulty, headaches, loss of coordination, unconsciousness, and death. **EYE CONTACT:** Severe irritation, tearing, redness, blurred vision, and blindness. **SKIN CONTACT:** Can dry and defat skin causing cracks, irritation, and dermatitis. **INGESTION:** Can cause gastrointestinal irritation, vomiting, nausea, diarrhea, and death.

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

Asthma, respiratory tract irritation, dermatitis, nausea, vomiting.

**FIRST AID:**

**INHALATION:** Move exposed person to fresh air. If breathing stops, apply artificial respiration and seek immediate medical attention.

**EYE CONTACT:** Flush with large quantities of water for 15 minutes.

**SKIN CONTACT:** Wash thoroughly with soap and water and see a doctor.

**INGESTION:** Contact physician immediately.

**SECTION VI-REACTIVITY DATA**

**STABILITY:** Stable.

**CONDITIONS TO AVOID:** Excessive heat, poor ventilation, corrosive atmospheres, excessive aging.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION:** Carbon monoxide, carbon dioxide.

**INCOMPATIBILITY**

**(MATERIALS TO AVOID):** Alkaline materials, strong acids and oxidizing materials, amines and mercaptans can cause polymerization..

**SECTION VII-SPILL AND DISPOSAL PROCEDURES**

**SPILL RESPONSE:** Eliminate ignition sources, provide good ventilation, dike spill area and add absorbent earth or sawdust to spilled liquid.

**RECOMMENDED DISPOSAL:** Collect absorbent/spilled liquid mixture into metal containers. Consult local, state and federal hazardous waste regulation before disposing into approved hazardous waste landfills. Obey relevant laws.

**SECTION VIII-SAFE HANDLING AND USE INFORMATION**

**RESPIRATORY PROTECTION:** When spraying this material use a NIOSH approved cartridge respirator or gas mask suitable to keep airborne mists and vapor concentration below the time-weighted threshold limit values.

**EYE PROTECTION:** Use chemical safety glasses, goggles, and face shields for eye protection.

**OTHER PROTECTIVE EQUIPMENT:** Use impermeable aprons and protective clothing whenever possible to prevent skin contact.

**HYGIENIC PRACTICES:** Eye washes and safety showers in the workplace are recommended.

**SECTION IX-SPECIAL PRECAUTIONS**

**RECOMMENDED STORAGE:** Use non-sparking utensils when handling this material. Avoid hot metal surfaces. Use in cool, well ventilated areas. Keep containers closed when not in use. Keep away from excessive heat and open flames. Avoid freezing.

**Abbreviations:** N/D - Not Determined

N/A - Not Applicable

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**SECTION I-PRODUCT IDENTIFICATION**

**PRODUCT NAME:** PERMA•PRIME E COAT (Part B)

**SECTION II-HAZARDOUS INGREDIENTS**

INGREDIENT	CAS #	OSHA PEL	VAP/PRESS	%INPROD.
WATER	7732-18-5	N/A	17.5	52
TITANIUM DIOXIDE	13463-67-7	15 MG	0	46.5
IRON OXIDE	1417-61-9	N/A	0	6

(\*) Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

N/A = Non Applicable

NE = Not Established

**SECTION III-PHYSICAL DATA**

<b>BOILING RANGE:</b>	212 °F	<b>EVAPORATION</b>	
<b>WGTAL:</b>	12.6 lb	<b>RATE:</b>	Slower than Ether
<b>VOC:</b>	0.04 g/l (5 g/l)	<b>% VOLATILE VOLUME:</b>	0%
<b>% WEIGHT SOLIDS:</b>	47%	<b>VAPOR DENSITY:</b>	Heavier than air

**SECTION IV-FIRE AND EXPLOSION HAZARD DATA**

<b>FLAMMABILITY CLASSIFICATION:</b>	Flammable - Class II
<b>FLASH POINT:</b>	
<b>EXTINGUISHING MEDIA:</b>	Foam, Alcohol Foam, CO <sub>2</sub> , Dry Chemical, Water, Other
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Respiratory equipment should be worn to avoid inhalation of concentrated vapors.
<b>UNUSUAL FIRE &amp; EXPLOSION HAZARDS:</b>	Material is combustible. Keep away from heat and flame.
<b>HMS CODES:</b>	H - 1; F - 1; R - 0; PP - B

**SECTION V-HEALTH HAZARD DATA**

**ROUTES OF ENTRY:** Inhalation: Yes Skin: Yes Ingestion: Yes

**EFFECTS OF OVEREXPOSURE:**

INHALATION: Dizziness, breathing difficulty, headaches, loss of coordination, unconsciousness, and death. EYE CONTACT: Severe irritation, tearing, redness, blurred vision, and blindness. SKIN CONTACT: Irritation and dermatitis. INGESTION: Can cause gastrointestinal irritation, vomiting, nausea, diarrhea, and death.

**SECTION V-HEALTH HAZARD DATA-Cont'd.****MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:**

Asthma, respiratory tract irritation, dermatitis, nausea, vomiting.

**FIRST AID:**

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**SKIN CONTACT:** Wash thoroughly with soap and water and see a doctor.

**INGESTION:** Contact physician immediately.

#### SECTION VI-REACTIVITY DATA

**STABILITY:** Stable.

**CONDITIONS TO AVOID:** Excessive heat, poor ventilation, corrosive atmospheres, excessive aging.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION:** Carbon monoxide, carbon dioxide, oxides of nitrogen.

#### INCOMPATIBILITY

**(MATERIALS TO AVOID):** Alkaline materials, strong acids and oxidizing materials, amines and mercaptans can cause polymerization..

#### SECTION VII-SPILL AND DISPOSAL PROCEDURES

**SPILL RESPONSE:** Eliminate ignition sources, provide good ventilation, dike spill area and add absorbent earth or sawdust to spilled liquid.

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**EYE PROTECTION:** Use chemical safety glasses, goggles, and face shields for eye protection.

**HYGIENIC PRACTICES:** Eye washes and safety showers in the workplace are recommended.

#### SECTION IX-SPECIAL PRECAUTIONS

**RECOMMENDED STORAGE:** Avoid hot metal surfaces. Use in cool, well ventilated areas. Keep containers closed when not in use. Keep away from excessive heat and open flames. Avoid freezing.

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