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***** SECTION I, IDENTIFICATION OF PRODUCT *****

CUSTOMER NAME: THE P. D. GEORGE COMPANY
PRODUCT NAME: E R-1 EPOXY
(SEE SECTION XI FOR OTHER PRODUCTS COVERED BY THIS MSDS)
PRODUCT NUMBER: 34-1831
LAST REV. DATE: 07/28/2003

***** SECTION II, HAZARDOUS INGREDIENTS *****

INGREDIENT	CAS #	%WGHT	VP (mmHg)		OSHA	PPM	MG/M3
BIPHENOL A / EPICHLOROHYDRIN BASED EPOXY RESIN		< 93	ND		OSHA	ND	ND
	REGISTERED				ACGIH	ND	ND
GLYCIDYL ETHER		< 17	< 4	@ 21 C	OSHA	ND	ND
	2461-15-6				ACGIH	ND	ND

HMIS *2:H 1:F 0:R

***** SECTION III, PHYSICAL DATA *****

BOILING POINT (F): NO DATA
EVAPORATION RATE (BUTYL ACETATE=1):NO DATA
WEIGHT PER GALLON (25 C): 9.380 LBS/GL
VAPOR DENSITY (AIR=1):NO DATA
VOLATILE BY WEIGHT: 0 %
VOLATILE BY VOLUME: 0 %
SPECIFIC GRAVITY: 1.13
VOC:

For compliance with VOC regulations, the VOC content must be calculated on an "as applied" basis. The volatile by weight and volatile by volume data on this MSDS should not be used to determine compliance with VOC regulations.

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

FLAMMABILITY CLASSIFICATION
OSHA:COMBUSTIBLE LIQUID CLASS IIIB
FLASH POINT:>200F ESTIMATE
LOWER EXPLOSIVE LIMIT (LEL):NO DATA

UPPER EXPLOSIVE LIMIT (UEL):NO DATA
EXTINGUISHING MEDIA:

Carbon dioxide, dry chemical, foam, and vaporizing liquid type extinguishing agents have all been found suitable for use on flammable liquid fires of moderate size. Water spray (fog) is particularly effective on fires in flammable liquids and volatile solids having flashpoints above 100 F; but with liquids having flash points above 212 F., frothing may occur.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Decomposition and combustion products may be toxic.

SPECIAL FIRE-FIGHTING PROCEDURES:

Firefighters should wear self-contained breathing apparatus to avoid inhalation of smoke or vapors. Water or foam may cause frothing when streams are directed into hot burning liquid.

***** SECTION V, HEALTH HAZARD DATA *****

PRIMARY ROUTE(S) OF ENTRY: Inhalation:Y Skin Contact:Y
Ingestion:N

EXPOSURE LIMIT:Refer to Section II for complete PEL/TLV data.

ACUTE EFFECTS OF OVEREXPOSURE:

INHALATION:May cause nasal and respiratory irritation.
SKIN CONTACT:May cause allergic skin reaction.
EYE CONTACT:Causes eye irritation.
SKIN ABSORPTION:No data available.
INGESTION:May be harmful if swallowed.

CHRONIC EFFECTS OF OVEREXPOSURE:

Prolonged or repeated exposure may result in adverse eye effects.

CARCINOGENICITY: NOT APPLICABLE

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE:

Overexposure may aggravate existing eye, skin, and/or respiratory disorders.

ADDITIONAL TOXICITY INFORMATION:

No additional information available.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION:

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Consult a physician.

EYE CONTACT:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician.

SKIN CONTACT:

In case of contact, immediately flush skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash and thoroughly clean

contaminated clothing and shoes before reuse. Consult a physician.

INGESTION:

If swallowed, consult a physician. Never give anything by mouth to an unconscious person.

***** SECTION VI, REACTIVITY DATA *****

STABILITY:Stable.

CONDITIONS TO AVOID:

Excess heating over long periods of time degrades the resin.

INCOMPATIBILITY (MATERIALS TO AVOID):

Strong oxidizing agents, bases, acids and amines.

HAZARDOUS DECOMPOSITION PRODUCTS:

The by-products expected in incomplete pyrolysis or combustion of epoxy resins are mainly phenolics, CO and water.

HAZARDOUS POLYMERIZATION:Will not occur.

***** SECTION VII, SPILL OR LEAK PROCEDURES *****

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

Remove all ignition sources. Provide adequate ventilation. Avoid breathing vapors. Shut off source of spill if it can be done safely. Use non-sparking tools. Absorb with inert absorbent material and dispose of in accordance with applicable regulations.

WASTE DISPOSAL METHOD:

Dispose of in accordance with applicable Federal, State, and local regulations. Under the Resource Conservation and Recovery Act (RCRA) regulations, it is the responsibility of the product user to determine, at the time of disposal, whether a material should be classified as a hazardous waste. Consult your attorney or appropriate regulatory affairs officer for information on proper disposal.

***** SECTION VIII, SPECIAL PROTECTION INFORMATION *****

RESPIRATORY PROTECTION:

Respiratory protection may be required if material is used in poorly ventilated areas or if material is sprayed or heated.

VENTILATION:

Use with adequate ventilation. Provide general dilution or local exhaust ventilation in volume and pattern to keep the air contaminant concentration below the applicable exposure limit (OSHA PEL) of the combined components listed in Section II and below the LEL listed in Section IV. All application areas should be ventilated in accordance with applicable OSHA regulations. (29 CFR 1910.94)

PROTECTIVE GLOVES:

Impervious gloves required.

EYE PROTECTION:

Use safety eyewear designed to protect against splash of liquids.

OTHER SUGGESTED PROTECTIVE EQUIPMENT:

Eyewash, safety shower, impervious clothing and boots. Selection of specific personal protective equipment will depend on the product user's operation.

HYGIENIC PRACTICES:

Wash thoroughly after handling.

***** SECTION IX, SPECIAL PRECAUTIONS *****

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Do not store above 120 F.
Keep closure tight and container upright to prevent leakage.
Store container out of sunlight and away from heat, sparks, and flame.
Store only in well-ventilated areas.
Containers should be grounded when being emptied.
Never use pressure to empty. Container is not a pressure vessel.
Do not puncture, drag, or slide container.

ATTENTION: Emptied containers may retain hazardous residue and explosive vapors. Keep away from heat, sparks, and flames. Do not cut, puncture, or weld on or near this container. Follow label warnings until container is thoroughly cleaned or destroyed.

OTHER PRECAUTIONS:

Do not get in eyes.
Avoid skin contact.
Prevent repeated or prolonged breathing of vapor or spray mist.
Avoid contact with or breathing of vapors during curing process.

***** SECTION X, REGULATORY INFORMATION *****

DOT DESCRIPTION:

BULK SHIPMENT: Synthetic Polymer Solution not regulated under DOT, IATA/ICAO, IMDG

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:

All components of this product are listed on the TSCA Section 8(b) Inventory or are exempt from the inventory.

SARA SECTION 312 HAZARD CATEGORIES:

N-Fire Hazard	N-Pressure Hazard
N-Reactivity Hazard	Y -Acute Health Hazard
Y-Chronic Health Hazard	

SARA SECTION 313 STATUS

Component/Category Name	CAS Number	Weight %
NOT APPLICABLE		

CALIFORNIA PROPOSITION 65 STATUS

WARNING: This product contains a chemical known to the State of California to cause cancer.

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

***** SECTION XI, SUPPLEMENTARY INFORMATION *****

ADDITIONAL PRODUCTS COVERED BY THIS MSDS:

- E 3151 LOW VISC PLASTIC ADHESIVE
- E 3151 PLASTIC ADHESIVE PART A
- E 3151 LOW VISC PLASTIC PASTE PART A

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