

Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO.

30-007-20193

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

VPR D

8. Well Number

6

9. OGRID Number

180514

10. Pool name or Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH  
PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other **COALBED METHANE**

2. Name of Operator

**EL PASO ENERGY RATON, L.L.C.**

3. Address of Operator

**PO BOX 190, RATON, NM 87740**

4. Well Location

Unit Letter **E** : **1346** feet from the **North** line and **1204** feet from the **West** line

Section **8** Township **30N** Range **18E** NMPM **Colfax** County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

**8426' (GR)**

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type \_\_\_\_\_ Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well \_\_\_\_\_ Distance from nearest surface water \_\_\_\_\_

Pit Liner Thickness: \_\_\_\_\_ mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: **Horizontal Lateral**

☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER:

☐

1. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion. Work proposed is as follows.

- Drill a horizontal lateral in the Upper Vermejo coal at 1820'-1830'.
- The reserve pit will be dug in the original pit area for the drilling solids during drilling operations.
- Steel pits will be used for the drilling fluids, and a shale shaker to remove the drilling solids to the pit.
- The primary drilling fluids will be natural produced water. If hole cleaning problems occur during drilling, we will start the "Clean Faze System" by mixing a 5 to 6 lb per barrel of starch to the produced water. Adding about a ¼ lb per barrel of lime for a ph modifier. To help carry drilling solids to surface, gum will be added as a Viscosifier.
- Drilling fluid additives will be supplied by Basin Fluids ( Mike Atchison owner ) from Bloomfield N.M.
- After the lateral is TD'd, a 3 ½" perforated liner will be run and set off just outside the 5 ½" production casing. Whipstock will be retrieved.
- A clean out run will be made to the original TVD. Production will be run back to the original setting depth.
- Drilling fluids will be diluted with clean production water and transferred to the VPR B 27 WDW . Drilling solids from the steel pits will be washed and cleaned out in the reserve pit. The reserve pit will not be lined. The pit will be back filled and restored to original ground contour.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE DR Lantant

TITLE Prod. Mgr.

DATE 8/13/04

Type or print name

E-mail address:

Telephone No.

**For State Use Only**

APPROVED BY:

TITLE **DISTRICT SUPERVISOR**

DATE 8/17/04

Conditions of Approval (if any):

CLEAN FAZE

BASIN FLUIDS  
Bloomfield, New Mexico

Product of Brazil

<b>RISK:</b> CAUTION! NUISANCE DUST. MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.	<b>RIESGO:</b> ¡CUIDADO! POLVO MOLESTO. PUEDE CAUSAR LA IRRITACIÓN DE LOS OJOS, LA PIEL Y LAS VÍAS RESPIRATORIAS.
<b>PRECAUTIONS:</b> Avoid creating and breathing dust. Avoid contact with eyes, skin and clothing. Supply ventilation adequate to keep exposure below occupational exposure limits (PEL or OES) for nuisance dust. Wear an approved particulate respirator (N95 or P2) when exposure may exceed the limit.	<b>PRECAUCIONES:</b> Evitar generar y respirar polvo. Evitar el contacto con los ojos, la piel y la ropa. Suministrar la ventilación adecuada para mantener la exposición por debajo de los límites de exposición profesional (PEL o OES) para polvos molestos. Usar un respirador aprobado para particulados (N95 o P2) cuando la exposición puede exceder el límite.
<b>FIRST-AID MEASURES:</b>	<b>PRIMEROS AUXILIOS:</b>
<b>EYES:</b> Promptly wash eyes with lots of water while lifting the eye lids. Continue to rinse for as least 15 minutes. Get medical attention.	<b>OJOS:</b> Lavar inmediatamente los ojos con gran cantidad de agua, manteniendo los párpados abiertos. Seguir enjuagando durante por lo menos 15 minutos. Obtener atención médica.
<b>INHALATION:</b> Move to fresh air at once. Perform artificial respiration if breathing has stopped. Get medical attention.	<b>INHALACIÓN:</b> Desplazar inmediatamente la víctima al aire fresco. Administrar respiración artificial si la víctima deja de respirar. Obtener atención médica.
<b>INGESTION:</b> Drink water or milk to dilute. Do NOT induce vomiting unless directed to by a physician. Never give anything by mouth to an unconscious person. Get medical attention.	<b>INGESTIÓN:</b> Beber agua o leche para diluir. NO se debe inducir el vómito a menos que lo ordene un médico. No se debe administrar nada por la boca a una persona inconsciente. Obtener atención médica.
<b>SKIN:</b> Wash with soap and water. Remove contaminated clothing. Get medical attention if discomfort continues.	<b>PIEL:</b> Lavar con jabón y agua. Quitarse la ropa contaminada. Obtener atención médica si la molestia continúa.
For more information see the Material Safety Data Sheet.	Para más información consultar la Hoja de Datos de Seguridad sobre los Materiales (MSDS).

FOR INDUSTRIAL USE ONLY

HMIS    HEALTH    1    FLAMMABILITY    1    REACTIVITY    0    PERSONAL PROTECTION    E

34 U/S

PSUO0 PLASTIC FLUID

STABILIZED STARCEL; — BIO DEGRADABLE

MANUFACTURED

50 # BAG    4-5 lbs/BAG    5 1072  
\$63/BAG    24-HOUR EMERGENCY PHONE: 505-632-2595

To: Don Lankford  
From: Bill Ordemann  
Date: August 2, 2004

RE: VPR D-6 Horizontal Lateral  
Vermejo Park Ranch  
Colfax County, New Mexico

Authority is requested to drill a horizontal lateral in the Upper Vermejo coal in the VPR D-6 (1820-1830'). This workover is projected to cost \$244,000 net to El Paso with an incremental production gain of 190 Mcfd. Attached please find an AFE for this workover.

**CONCLUSIONS:**

- Incremental gas production rate can be achieved from the Upper Vermejo coal in the VPR D-6 by drilling a horizontal lateral in the coal. Prior to a gas locking problem with the pump this winter, the VPR D 6 was producing 250 Mcfd and should return to this production rate.

**RECOMMENDATIONS:**

Please find the attached AFE for a net of \$244,000 to El Paso's 100% working interest.

Economics (100% W.I. & 93% N.R.I.)	
Net Investment (M\$)	244
Est. Net Reserves (MMCFE)	779
EVA (\$/year)	$\$98,900 - (\$244,000 \times .12) = \$69,600$
Net Operating Profit	\$98,900
$(\$2.5/\text{Mcf} \times 69,600 \text{ Mcf/yr} \times .93 \text{ NRI} \times (1 - .05625) \times (1 - .35))$	
Weighted Average Cost of Capital	12% estimated
Capital Employed	\$244,000
Undiscounted Payout (AFIT, years):	2.2
Development Cost (\$/Mcf)	0.31
ROR	93%

**DISCUSSION:**

VPR D-6 was drilled and completed in the Lower, Middle and Upper Vermejo Coals during the Spring of 2000. The Upper Vermejo was refrac'd mid year 2001. Production increased to 400 Mcfd, dropped to 160 Mcfd and then increased to 240 Mcfd over the following year and a half. The pump was changed in December 2003 and problems with gas locking were experienced with the new pump. After changing out the pump and not fixing the problem, the well was drilled deeper to provide enough rat hole to get the pump intake below the perforations. This solved the pump problem, however, the production rate has not recovered. The well has cumulative production of 172 MMcf and is currently producing from the Vermejo Coals at 55 Mcfd + 15 bwpd.

A poor cement job in this well may have reduced the effectiveness of the fracture stimulation jobs attempted. It is proposed to drill a horizontal lateral from the D-6 in the 10' Upper Vermejo coal NW 1500' toward the D-10 which has a 10' U.V coal. We will drill up dip from the D-6 U.V. top @ 1820' toward the D-10 U.V. top @ 1692' allowing the produced water to move toward the D-6 wellbore. D-5 and D-11 offset D-6 to the SW and NE and have 8-10' thick U.V. coals. The Upper Vermejo coal correlates in this area and appears to be continuous.

Date:	06/05/04	Prep'd by:	Howard Musgrave
Operator:	El Paso Production Company	Well / Prospect:	WORKOVER VPR D-6
Field:	Vermejo Park Ranch	Location:	Nw Sec 8 T30N R18E
TVD:		Co. / Ph.:	Conex Co. State: NM
TMD:		LAT DEV:	0

This is a request for funds to drill a horizontal lateral in the 10.8' Upper Vermejo Coals in VFR D-E. VFR D-35 offset well initially flowed 294 MCF PD + 142 BWPD and has declined to 432 MCF PD - 15 EWPD while the VPR D-6 is making 54 MCF + 14 BWPD.

ZONE	OWNERSHIP				Comments
	BPO		APO		
	WI	NRI	WI	NRI	
Zone 1	100.0%	93.0%	100.0%	93.0%	
Zone 2	100.0%	93.0%	100.0%	93.0%	

PROBABILITY OF SUCCESS (Probability of Completing)	
POS (structure) :	100%
POS (hydrocarbon) :	100%
POS (permeability) :	100%
POS (undepleted) :	100%
POS (mechanical) :	50%
POS (other) :	100%
POS :	50%

Economics are based on a listed incremental 30 MCFPD increasing to 190 MCFPD after 3 months flat for 5 years and declining to recover \$58 MMCF. Economics are based on volumetric calculation of the Upper Coal at 160 acres.

Zone	First Sales	Unrisked IP		P10 Gross mmcf	P90 Gross mmcf	MOST LIKELY (Mean) RESERVES					Booked Proven mmcf
		Gross mcf	Net mcf			Gross				Net mmcf	
						mmcf	mbo	mbi	mmcf		
Vermejo Coal	9/1/2004	30	28	na	na	858	0	0	858	779	0
						858	0	0	858	779	0

	UNRISKED		RISKED	
	Gross	Net	Gross	Net
LSG & SEIS:	0	0	0	0
REC. Or Workover:	244	244	244	244
COMPLETION:	0	0	0	0
FACILITIES:	0	0	0	0
TOTAL:	244	244	244	244
FUTURE CAPITAL:	0	0	0	0
"ALL IN" TOTAL:	244	244	244	244

SPUD DATE :	8/1/2004
INIT GROSS O&M (\$/mo) :	1.093
ETU / SCF :	1,000
INIT GASP (\$/mmbtu) :	\$4.50
EASIN DIFFER (GASP) :	\$0.73
INIT OILF (\$/bbl) :	\$24.50
OILF DEDUCT :	na
INIT PLANTF (\$/bbl) :	na

	UNRISKED	RISKED		BTAX	ATAX
NET RESERVES (MMCFE)	778	778	ROR	100%	93%
NET DRILL & EVAL (\$000)	\$244	\$244	ROI (undisc)	70.9	7.0
TOTAL NET CAPITAL (\$000)	\$244	\$244	ROI (12% disc)	4.8	3.4
TOTAL DEV COST (\$/MCFE)	\$0.31	\$0.31	PV (undisc-\$M)	\$2,256	\$1,467
'ALL-IN' NET CAPITAL (\$000)	\$244	\$244	PV (12% disc-\$M)	\$658	\$551
'ALL-IN' DEV COST (\$/MCFE)	\$0.31	\$0.31	PAYOUT (Yrs)	2.0	2.2

Horizontal lateral from existing wellbore in a well with thick resources but less than expected results.

## WELLBORE SCHEMATIC

Lease: VPRD 6  
 Field: VPR - Castlerock  
 County: Colfax  
 State: New Mexico

Tree: Independent 1500 psi head

KB = GL  
 GL = 8426'

11" Hole

8 5/8", 23 ppf, J-55 ST&C @ 340'  
 Cement w/ 70 sks

7 7/8" Hole

3-29-00 Spud. Drill 11" hole to 360'. Set 8 5/8" csg @ 340' cmt to surf. Drill out with 7 7/8" hole to 2190'. Wash dn 5 1/2" csg to 2105' and cmt w/165 bbls. No cmt to surf. 4/20/00 TOC @ 2057'. Perf 2030-31 and attempt to circ wtr y no success. Perf 1870-71' and sqz w/250 sks. Good circ to surf w/no cement circ to surf. TOC @ 120'. 6-22-00 Ran CBL. Tag @ 1646'. TOC 150'. Drill out to 1910' Void @ 1870'. Would not test. Pump 50 sks cmt. 6-26-00 Drill out cmt to 2100'. Pres test to 1500 psi losing 700 psi in 4 min. OK ?? 7-25-00 Complete Vermejo 1804-2081'. Stage 1: 1879-2081' Frac dn 5 1/2" csg @ 20 bpm w/37667 gal 70 Q Nitrogen foam (640,000 scf N2) containing 23,500 lbs 20/40 sd 1-3 ppg plus 105,000 lbs 12/20 Brady sd @ 3 ppg. ISIP 840 psi. Stage 2: 1804-30' Frac dn 5 1/2" csg @ 20-24 bpm w/57,333 gal 70 Q nitrogen foam (730,000 scf N2) containing 20,000 lbs 20/40 Ottawa sd @ 1-3 ppg and 67,000 lbs 12/20 sd @ 3 ppg. Screen out w/53% of sand volume placed. ISIP 4000 psi. 8-25-00 Set 30N95 PC pump w/inlet @ 2073'. PBTD 2096'. 10-27-00 Pulled pump to run after frac log. Downsize to 30N45. 12-6-00 Changed pump because it would not pump. Bail 17'sd. Downsize to 30N25. 7-16-01 Pull well for Refrac. Set RBP @ 1860'. Refrac U. Vermejo 1804-14'; 1820-30' down 5 1/2" csg @ 27-35 bpm with 127,528 gal 70 Q nitrogen foam containing 129,000 lbs 16/30 Brady sd 1-3 ppg. Screen out w/54% of the sd vol placed. ISIP 4000 psi. 7-19-01 Retrieved RBP @ 1860' with coil tubing and air unit. 7-24-01 Ran insert pump in hole and PBOL. 9-13-01 Pump stuck. Changed pump. 11-18-01 Rods unscrewed due to well sanded up. Bail 51' sand. 5-31-02 Gas production down. Pull well and check fill. 10' fill. Changed pump. 12-19-03 Pump showing low efficiency. Change pump. 3-13-04 Pump gas locked. Deepen well to 2218'. Set pmp inlet at 2139'.

Stage 2 1804'-14', 1820-30', 4 spf 61 holes  
 BD w/1000 gal 7 1/2% nitrofi ed HCl. Frac zone  
 dn 5 1/2" csg @ 20-24 bpm w/N2 foam containing  
 20,000 lbs 20/40 Ottawa sd 1-3 ppg followed by  
 67,000 lbs 12/20 Brady sd 3 ppg. Screen out  
 with 53% sand vol in place. ISIP 4000 psi

Refrac: 1804-14', 1820-30' down 5 1/2" csg @ 27  
 -35 bpm with N2 foam containing 129,000 lbs  
 16/30 Brady sd 1-3 ppg. ISIP 4000 psi. Screen  
 out with 54% of sand vol placed.

Stage 1 1879-82', 1909-11', 1913-16',  
 1947-50', 1973-75', 2042-45', 2064-67',  
 2078-81'. 4 spf 88 holes. BD w/1000 gal 7 1/2 HCl  
 w/126 balls. ISIP 830 psi. Frac w/N2 foam  
 dn 5 1/2" csg @ 20 bpm w/23,500 lbs 20/40 sd  
 plus 105,000 12/20 sd.

5-1/2", 15.5 ppf, M-50, LT&C @ 2105'.  
 Cement w/165 sks. Sqz w/250 sks then 50 sks.

Prepared by: William M. Ordemann  
 Date: August 3, 2004

TD= 2218'  
 PBTD=2218'



## SAFETY DATA SHEET

### DUOVIS

#### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

**PRODUCT NAME:** DUOVIS  
**SYNONYMS, TRADE NAMES:** Xanthan Gum  
**APPLICATIONS:** Viscoifier  
**SUPPLIER:** M-I Drilling Fluids UK Ltd,  
Pocka Quay,  
Fouldes,  
Aberdeen, AB11 5DQ  
Tel: 44 (0)1224 - 584336  
Fax: 44 (0)1224 - 876119  
**EMERGENCY TELEPHONES:** 001 281 581 1600 (USA)

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME	EINECS Nr.	CLASSIFICATION	CONTENT
CAS No.: GLYOXAL 107-22-2		XI R-43, 36/38	<1 %
XANTHAN GUM 11138-66-2		-	85-95 %
WATER 7732-18-5		- Not classified.	5-15 %

The Full Text for all R-Phrases are Displayed in Section 16

**COMPOSITION COMMENTS:** This product formulation is not classified as hazardous in accordance with the EU Directives.

#### 3. HAZARDS IDENTIFICATION

*Not regarded as a health hazard under current legislation.*

#### 4. FIRST AID MEASURES

**INHALATION:** Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION:	First aid is not normally required. Rinse mouth thoroughly. Drink plenty of water.
SKIN:	Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention if any discomfort continues.
EYES:	Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues.

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## 5. FIRE FIGHTING MEASURES

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EXTINGUISHING MEDIA:	Carbon dioxide (CO <sub>2</sub> ). Dry chemicals. Foam. Water spray, fog or mist.
SPECIAL FIRE FIGHTING PROCEDURES:	Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures.
UNUSUAL FIRE & EXPLOSION HAZARDS:	High concentrations of dust may form explosive mixture with air.
HAZARDOUS COMBUSTION PRODUCTS:	Asphyxiating gases/vapors/fumes of: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).

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## 6. ACCIDENTAL RELEASE MEASURES

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SPILL CLEANUP METHODS:	Collect in containers and seal securely. Flush clean with lots of water. Be aware of potential for surfaces to become slippery. Avoid generation and spreading of dust. Wear necessary protective equipment.
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## 7. HANDLING AND STORAGE

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USAGE PRECAUTIONS:	Avoid handling which leads to dust formation. Provide good ventilation.
STORAGE PRECAUTIONS:	Store at moderate temperatures in dry, well ventilated area.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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INGREDIENT COMMENTS:	This material is considered a nuisance dust, OES TWA 4mg/m <sup>3</sup> Respirable Dust, 10 mg/m <sup>3</sup> Total Dust.
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PROTECTIVE EQUIPMENT:



VENTILATION:	Provide adequate general and local exhaust ventilation.
RESPIRATORS:	Respiratory protection must be used if air concentration exceeds acceptable level. Dust filter P2 (for fine dust).
PROTECTIVE GLOVES:	No specific hand protection noted, but gloves may still be advisable. For prolonged or repeated skin contact use suitable protective gloves. Butyl rubber or polyvinyl acetate.

<b>EYE PROTECTION:</b>	Wear dust resistant safety goggles where there is danger of eye contact.
<b>OTHER PROTECTION:</b>	Wear appropriate clothing to prevent repeated or prolonged skin contact. Provide eyewash station.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Powder, dust.		
<b>COLOUR:</b>	Cream.		
<b>ODOUR/TASTE:</b>	Mild (or faint).		
<b>DENSITY/SPECIFIC GRAVITY (g/ml):</b>	1.5	<b>Temperature (°C):</b>	20
<b>pH-VALUE, DILUTED SOLUTION:</b>	7	<b>Concentration %/Ml:</b>	1
<b>SOLUBILITY DESCRIPTION:</b>	Very soluble in water.		
<b>AUTO IGNITION TEMP. (°C):</b>	> 200		

## 10. STABILITY AND REACTIVITY

<b>STABILITY:</b>	Normally stable.
<b>CONDITIONS TO AVOID:</b>	Not known.
<b>MATERIALS TO AVOID:</b>	Strong oxidizing agents.
<b>HAZARDOUS DECOMP. PRODUCTS:</b>	Fire or high temperatures create: Asphyxiating gases/vapours/fumes of: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicological data</b>	Acute toxicity, LD <sub>50</sub> , Oral, Rat. > 5000 mg/kg
	Acute toxicity, LC <sub>50</sub> , 1 hour, Inhalation, Rat. > 21 mg/l
	Skin Irritation Draize Skin, Rabbit, Slight Irritant
	Eye Irritation Draize Eye, Rabbit, Slight Irritant
	Sensitization, Buehler Skin, Guinea pig, Not a sensitizer
<b>INHALATION:</b>	Dust may irritate respiratory system or lungs.
<b>INGESTION:</b>	May cause discomfort if swallowed.
<b>SKIN:</b>	Powder may irritate skin.
<b>EYES:</b>	Particles in the eyes may cause irritation and smarting.

## 12. ECOLOGICAL INFORMATION

<b>ECOLOGICAL INFORMATION:</b>	Not regarded as dangerous for the environment. OSPAR have defined this chemical as PLOWOR.
<b>BIO ACCUMULATION:</b>	No bioaccumulation is expected.



DEGRADABILITY: Biodegrades.

### 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Recover and reclaim or recycle, if practical. Dispose of on site landfill area. Dispose of in accordance with Local Authority requirements.

### 14. TRANSPORT INFORMATION

ROAD TRANSPORT NOTES: Not Classified  
 RAIL TRANSPORT NOTES: Not Classified.  
 SEA TRANSPORT NOTES: Not Classified.  
 AIR TRANSPORT NOTES: Not Classified.

### 15. REGULATORY INFORMATION

RISK PHRASES: Not classified.  
 SAFETY PHRASES: Not classified.  
 STATUTORY INSTRUMENTS: Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

### 16. OTHER INFORMATION

INFORMATION SOURCES: Material Safety Data Sheet, Misc. manufacturers. Sax's Dangerous Properties of Industrial Materials, 9th ed., Lewis, R.J. Sr., (ed.), VNR, New York, New York, (1997).  
 ISSUED BY: Sarah Glover  
 REVISION DATE: 04-04-03  
 REV. No./REPL. SDS GENERATED: 2  
 PRINTING DATE: 2003-04-04  
 R-PHRASES (Full Text): Not classified, R-43 May cause sensitisation by skin contact. R-36/38 Irritating to eyes and skin.  
 DISCLAIMER: MSDS furnished independent of product sale. While every effort has been made to accurately describe this product, some of the data are obtained from sources beyond our direct supervision. We cannot make any assertions as to its reliability or completeness; therefore, user may rely on it only at user's risk. We have made no effort to censor or conceal deleterious aspects of this product. Since we cannot anticipate or control the conditions under which this information and product may be used, we make no guarantee that the precautions we have suggested will be adequate for all individuals and/or situations. It is the obligation of each user of this product to comply with the requirements of all applicable laws regarding use and disposal of this product. Additional information will be furnished upon request to assist the user; however, no warranty, either expressed or implied, nor liability of any nature with respect to this product or to the data herein is made or incurred hereunder.