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PO Box 310
Huntington, Utah 84528

July 3, 2004

Utah Coal Program
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Incoming
7/15/0018

**Subject: Rilda Ridge Subsidence Repair, PacifiCorp, Deer Creek Mine, C015/018,
Emery County, Utah**

PacifiCorp, by and through its wholly-owned subsidiary, Energy West Mining Company ("Energy West") as mine operator, hereby submits a proposal to repair a subsidence tension crack located on Rilda Ridge. The tension crack was formed as a result of mining the 14th East Longwall Panel in the Blind Canyon coal seam during October 2000. Tension cracks associated with mining were first observed during the annual subsidence monitoring helicopter reconnaissance flight in July 2001.

During October 2003 an on-site review was conducted with the Division of Oil, Gas & Mining (DOGM), United States Forest Service (USFS - surface management agency), and Bureau of Land Management (BLM - subsurface owner) to discuss potential of imminent danger and the need for reclamation activities (refer to attached photo) . Energy West informed the regulatory agencies of the potential for additional subsidence as the result projected future mining in the lower (Hiawatha seam) to occur during the summer of 2004. As the result of the projected future mining, the USFS requested that Energy West place signs to warn the public until all mining activities were complete. The warning signs were installed as requested.

During the development in the Hiawatha seam, low coal was encountered and mine plans were adjusted to accommodate geologic conditions. The northern most longwall panel (8th Right), will be extracted prior to the tension crack area. No future mining is projected to occur within this area.

The following is Energy West's proposal for repairing the subsidence fracture located on the north slope of Rilda Ridge. Please refer to the attached drawing.

RECEIVED

JUL 08 2004

Huntington Office:
(435) 687-9821
Fax (435) 687-2695
Purchasing Fax (435) 687-9092

DIV. OF OIL, GAS & MINING
Deer Creek Mine:
(435) 687-2317
Fax (435) 687-2285

SUBSIDENCE FRACTURE REPAIR PLAN

Location

Southwest quarter of Section 28, T.16S., R.7E., SLB&M

Methods

The repair work will be accomplished using hand tools. All materials and manpower will be transported by helicopter, no construction access will occur. The helicopter will stage in Mill Fork Canyon, which is approved as the secondary staging for the Mill Fork Coal Exploration scheduled for the month of July 2004. No living trees will be removed, however, some deadfall may be collected nearby to enhance the reclamation.

Due to width of the crack and limited soil resources, Energy West will fill the crack with a combination of aerated concrete blocks and high density foam (see attached Material Safety Data Sheets) within approximate two (2) feet of the surface. Upon completion of the backfilling filling process, soil material adjacent to crack will be utilized to fill the remaining depression.

The areas of disturbance will be reseeded using the following approved East Mountain exploration seed mixture:

<u>Species</u>	<u>lbs/acre (PLS)</u>
Basic Mix	
Columbia needle grass - <i>Stipa columbiana</i>	4.5
Slender wheatgrass - <i>Elymus trachycaulus</i>	4.5
Sandbergs bluegrass - <i>Poa secunda</i>	0.75
Pacific aster - <i>Aster chilensis</i>	0.2
Supplement*	
Sulfur flower - <i>Eriogonun umbellatum</i>	2.0
Rocky Mountain penstemon - <i>Penstemon strictus</i>	0.75

* Seed should be purchased in individual seed packets, not as mixture.

The seed mixture will be hand broadcast. The area will then be raked to cover the seed.

A cultural resource evaluation of the North Ridge was completed prior to full extraction mining, refer to Volume 11: Engineering Section, Appendix 3.

A raptor survey was completed on May 20, 2004, no active nest were identified within the proposed activity area.

DOGM Rilda Ridge Subsidence Repair

July 3, 2004

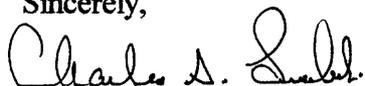
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Timing

Energy West proposes to initiate the reclamation activities July 15, 2004 in conjunction with ongoing Mill Fork helicopter assisted coal exploration. Approximately one (1) day will be required to complete the project.

Thank you for assistance in this matter. If you have any questions or concerns regarding this plan, please contact myself at (435) 687-4720 or Dennis Oakley at (435) 687-4825.

Sincerely,



Charles A. Semborski
Manager Permitting/Geology

Enclosure: Tension Crack Photo
 Location Map
 Material Safety Data Sheets

Cc: Tom Lloyd, USFS w/encl.
 Steve Falk, BLM w/encl.
 Doug Johnson w/ encl.)
 File



Energy West Mining Company

Deer Creek Mine C/015/018

North Rilda Ridge

Subsidence: Tension Crack

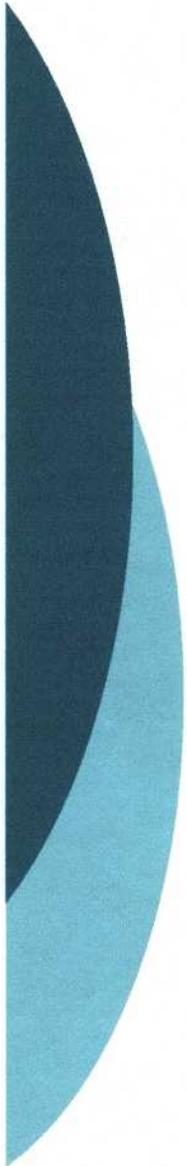
- Photo
- Location Map
- MSDS Sheets

Energy West Mining Company

Deer Creek Mine C/015/018

Tension Crack Photo

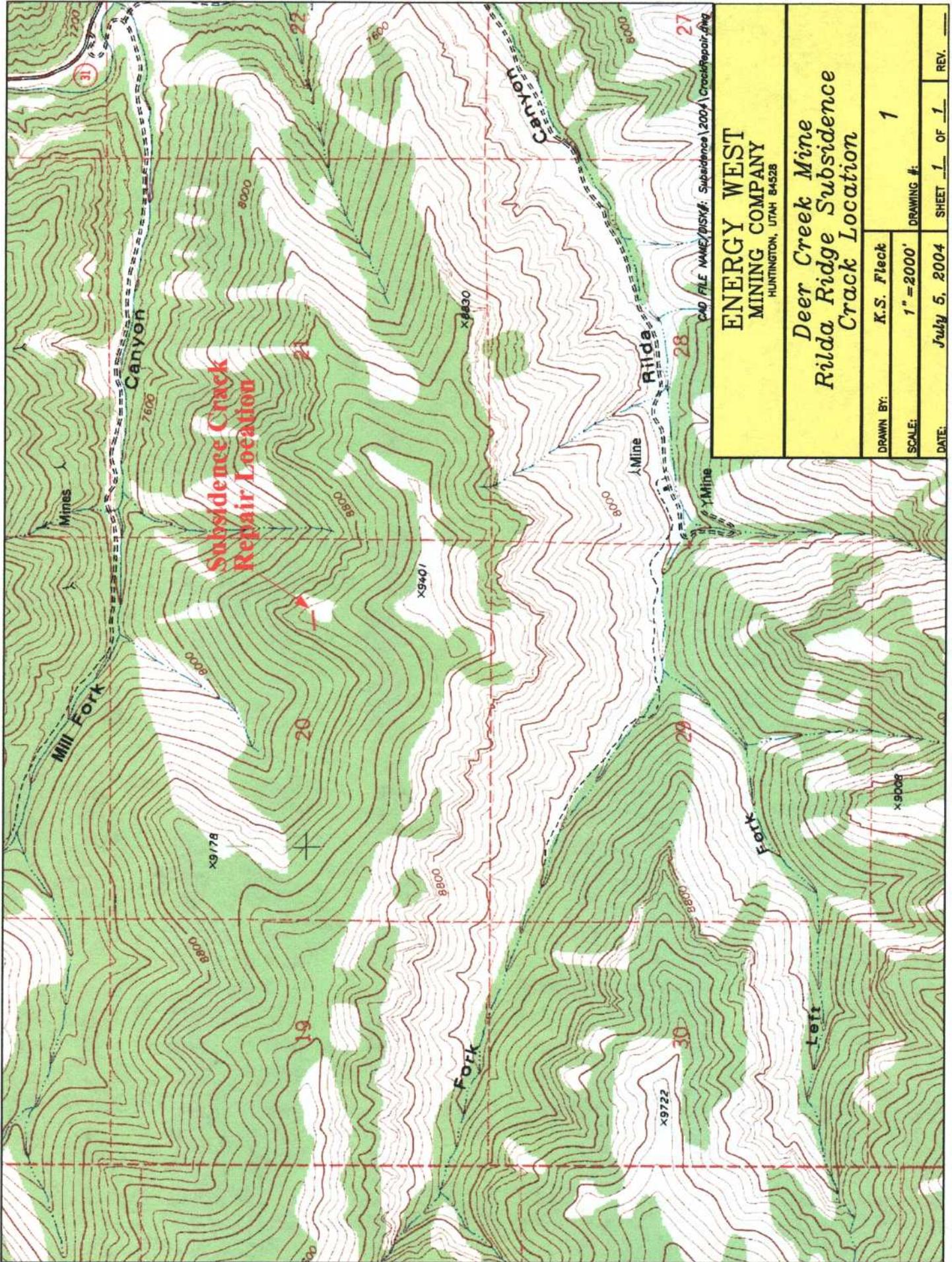




Energy West Mining Company

Deer Creek Mine C/015/018

* Location Map





Energy West Mining Company

Deer Creek Mine C/015/018

MSDA Sheets

- * Aerated Concrete Blocks
- * High Density Foam



Omega Transworld, Ltd.

Material Safety Data Sheet

Section I

Manufacturer's Name

OMEGA TRANSWORLD, LTD.

Emergency Telephone Number

(612) 339-2511

Address (Number, Street, City, State, and ZIP Code)

2400 LEECHBURG ROAD

Chemical Name
and Synonyms

Portland Cement

Trade Name
and Synonyms

Burrell

Omega 384

Chemical
FamilyCalcium Silicates, ^{Formate} Aluminates,
Aluminoferriates, Gypsum

New Kensington

Pennsylvania 15060

Section II - Hazardous Ingredients

Paints, Preservatives, and Solvents

% TLV (UNHS) Alloys and Metallic Coatings

% TLV (UNHS)

Paints, Preservatives, and Solvents	% TLV (UNHS)	Alloys and Metallic Coatings	% TLV (UNHS)
Pigments N/A		Base Metal N/A	
Catalyst N/A		Alloys N/A	
Vehicle N/A		Metallic Coatings N/A	
Solvents N/A		Ferrous Metal Plus Coating or Core Flux N/A	
Additives N/A		Others	
Others N/A			

Hazardous Mixtures of Other Liquids, Solids or Gases

% TLV (UNHS)

Hazardous Mixtures of Other Liquids, Solids or Gases	% TLV (UNHS)
Portland Cement (Type III) 3CaO.SiO ₂ , 2CaO.SiO ₂ , 3CaO.Al ₂ O ₃ , 4CaO.Al ₂ O ₃ , 4CaSO ₄ .2H ₂ O, CaSO ₄ .1/2H ₂ O, CaSO ₄	
Rest of Mixture is a TRADE SECRET	

Section III - Physical Data

Boiling Point (°F) N/A	Specific Gravity (M ₁ O=1) N/A
Vapor Pressure (mm Hg) N/A	Percent Volatile by Volume (%) N/A
Vapor Density (Air=1) N/A	Evaporation Rate =1) N/A
Solubility in Water N E	

Appearance and Odor

Grey Colored Cube.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) N/A	Flammable Limits N/A	LeI N/A	Uel N/A
Extinguishing Media N/A			
Special Fire Fighting Procedures N/A			

Physical and Explosion Hazards

N/A

Section V - Health Hazard Data

Threshold Limit Value

N/A

Effects of Overexposure

Minor skin irritation/abrasion when handled

Minor skin laceration when handled

Emergency First Aid Procedures

Wash Well, treat and dress

First Aid Treatment

Section VI - Reactivity Data

Stability	Unstable		Conditions to Avoid N/A
	Stable	X	

Incompatibility (Materials to Avoid)

Hazardous Decomposition Products

Hazardous Polymerization	May Occur		Conditions to Avoid N/A
	Will Not Occur	X	

Section VII - Spill or Leak Procedures

Steps to be Taken in Case Material is Released or Spilled

Normal cleanup for loose stone

Shovel or sweep into a container.

Waste Disposal Method

Landfill site in accordance with Local, State and Federal regulation.

Section VIII - Special Protection Information

Respiratory Protection (Specify Type)

N/A

Ventilation	Local Exhaust		Special	
	Mechanical (General)	N/A	Other	N/A

Protective Gloves	Eye Protection
Heavy Duty Gloves	N/A

Other Protective Equipment

Section IX - Special Precautions

Precautions to be Taken in Handling and Storing

MICON
#25 Allegheny Square
Glassport, PA 15045-1649

Tel 888-4-ROKLOK Fax 412-654-7717
For Emergency: Chemtrec 800-424-9300

MATERIAL SAFETY DATA SHEET

1	PRODUCT	Rok-Lok 70 A-Side														
2	COMPOSITION	<table border="1"> <thead> <tr> <th data-bbox="145 430 264 459">CHEMICAL</th> <th data-bbox="450 430 513 459">CAS#</th> <th data-bbox="753 430 951 459">CONCENTRATION</th> <th data-bbox="1083 430 1232 459">REGULATED:</th> </tr> </thead> <tbody> <tr> <td data-bbox="145 459 431 514">Polymeric Diphenylmethane Diisocyanate (MDI)</td> <td data-bbox="450 459 558 489">9018-87-9</td> <td data-bbox="753 459 844 489">60-100%</td> <td data-bbox="1083 459 1125 489">Yes</td> </tr> <tr> <td data-bbox="161 514 348 569">(INCLUDES 4, 4'-Diphenylmethane Diisocyanate)</td> <td data-bbox="450 514 513 543">101-08-6</td> <td data-bbox="753 514 839 543">Approx. 80%</td> <td data-bbox="1083 514 1116 543">Yes</td> </tr> </tbody> </table> <p data-bbox="145 632 459 657">(1-see regulatory section for more information) (2-different raw material sources)</p> <p data-bbox="145 682 781 711">Appearance: Light yellow to dark brown liquid with musty odor</p>			CHEMICAL	CAS#	CONCENTRATION	REGULATED:	Polymeric Diphenylmethane Diisocyanate (MDI)	9018-87-9	60-100%	Yes	(INCLUDES 4, 4'-Diphenylmethane Diisocyanate)	101-08-6	Approx. 80%	Yes
CHEMICAL	CAS#	CONCENTRATION	REGULATED:													
Polymeric Diphenylmethane Diisocyanate (MDI)	9018-87-9	60-100%	Yes													
(INCLUDES 4, 4'-Diphenylmethane Diisocyanate)	101-08-6	Approx. 80%	Yes													
3	HAZARDS IDENTIFICATION	<p>Irritating to eyes, skin and respiratory tract. May cause sensitization by skin contact and inhalation. Exposure to individuals with asthma, eczema and/or allergies may aggravate existing conditions. Symptoms may include: coughing, wheezing and shortness of breath.</p> <div data-bbox="145 793 447 856" style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>HMIS: H F R PPE 2 1 0</p> </div>														
4	FIRST AID MEASURES	<p>EYE flush with clean, low pressure water for 15 minutes while holding eyelids open</p> <p>SKIN remove contaminated clothing; wash skin with soap and water</p> <p>INHALATION remove to fresh air</p> <p>INGESTION in case of excessive ingestion, give large amount of liquids. Do not induce vomiting</p> <p>In all cases, seek additional medical attention.</p>														
5	FIRE-FIGHTING MEASURES	<p>Flash Point: 425°F (218°C)</p> <p>Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water</p> <p>Special Protective Equipment: Self Contained Breathing Apparatus</p> <p>Hazardous Decomposition Products: During combustion, Carbon Monoxide and Carbon Dioxide, Nitrogen Oxides, Ammonia and trace amounts of Hydrogen Cyanide are given off.</p>														
6	ACCIDENTAL RELEASE MEASURES	<p>Provide adequate ventilation.</p> <p>Wear suitable personal protective clothing and equipment.</p> <p>Contain spill and allow material to be absorbed by the floor of the mine. Shovel this material into a waste container. Remove container(s) above ground and add decontaminate solution. (95% water, 5% ammonia)</p> <p>Leave UNCOVERED for 24 to 48 hours prior to disposal. If spill will be inaccessible to miners within 24 hours, do not remove. Soak with decontamination solution and leave in place.</p>														
7	HANDLING AND STORAGE	<p>Protect containers from physical abuse. Avoid open flames. Avoid exposure to direct sunlight. Store in tightly closed containers to prevent moisture.</p> <p>Storage temperature: <120°F (<49°C)</p>														

Reference No. A-Side (Isocyanate)

Date of Issue: 2/97

(pg. 1 of 2)

MICON
 #25 Allegheny Square
 Glassport, PA 15045-1649

Tel 888-4-ROKLOK Fax 412-664-7717
 For Emergency: Chemtrec 800-424-9300

MATERIAL SAFETY DATA SHEET

8	EXPOSURE CONTROLS/PERSONAL PROTECTION	<p>EYE wear safety glasses with side shields during applications when using 55 gallon drums. Wear goggles or face shields during applications when pouring 5 gallon pails. SKIN wear protective clothing. RESPIRATORY use only in well-ventilated areas. With insufficient ventilation, wear Self Contained Breathing Apparatus.</p>						
9	PHYSICAL AND CHEMICAL PROPERTIES	<p>Vapor Pres. (21°C/70°F): 0.00001 mmHg Specific Gravity: 1.24 VOC Content (lb/gal): 0</p>						
10	STABILITY AND REACTIVITY	<p>Reacts with water. Avoid alkalis, acids, alcohol and ammonia. Reaction may be violent at elevated temperatures.</p>						
11	TOXICOLOGICAL INFORMATION	<p>Acute oral LD₅₀ (rat) >10,000 mg/kg Acute oral LD₅₀ (rat 4hr) 370-490 mg/m</p>						
12	ECOLOGICAL INFORMATION	<p>Unknown</p>						
13	DISPOSAL INFORMATION	<p>Waste must be disposed of in compliance with federal, state and local regulations. Incineration is the preferred method. Empty containers must be handled with care due to product residue. Empty drums should be returned to the manufacturer or supplier for proper disposal. DO NOT HEAT OR CUT EMPTY CONTAINERS WITH ELECTRIC OR GAS TORCH.</p>						
14	TRANSPORTATION INFORMATION	<p>Non-Regulated</p>						
15	REGULATORY INFORMATION	<table border="0"> <tr> <td data-bbox="145 1346 348 1377">EXPOSURE LIMITS</td> <td data-bbox="442 1346 662 1377">TWA (8 hour) mg/m³</td> <td data-bbox="751 1346 1075 1377">SHORT TERM(10 mins) mg/m³</td> </tr> <tr> <td data-bbox="145 1377 381 1436">4,4-Diphenylmethane-diisocyanate (MDI)</td> <td data-bbox="442 1377 612 1404">0.05 (0.005ppm)</td> <td data-bbox="751 1377 943 1404">.2 (0.02ppm) ceiling</td> </tr> </table>	EXPOSURE LIMITS	TWA (8 hour) mg/m³	SHORT TERM(10 mins) mg/m³	4,4-Diphenylmethane-diisocyanate (MDI)	0.05 (0.005ppm)	.2 (0.02ppm) ceiling
EXPOSURE LIMITS	TWA (8 hour) mg/m³	SHORT TERM(10 mins) mg/m³						
4,4-Diphenylmethane-diisocyanate (MDI)	0.05 (0.005ppm)	.2 (0.02ppm) ceiling						
REGULATED CHEMICAL	APPLICABLE REGULATIONS							
4,4-Diphenylmethane-diisocyanate (MDI)	SARA 311/312/313, CAA 1990 Toxic air Pollutant							
Polymeric Diphenylmethane diisocyanate	SARA 313 (Diisocyanate Compounds - No CAS number assigned)							
16	OTHER INFORMATION	<p>N/A</p>						
Prepared by: N. Teuton Part No. 4445	Reference No. A-Side (Isocyanate) Date of Issue: 2/97	(pg. 2 of 2)						

MICON
#25 Allegheny Square
Glassport, PA 15045-1649

Tel 888-4-ROKLOK Fax 412-564-7717
For Emergency: Chemtrec 800-424-9300

MATERIAL SAFETY DATA SHEET

1	PRODUCT	Rok-Lok 70 B-Side			
2	COMPOSITION	CHEMICAL Polyglycols	CAS# Mixture:	CONCENTRATION 80-100%	REGULATED: No
<small>(1-use regulatory section for more information) (2-different raw material sources) Appearance:</small>					
3	HAZARDS IDENTIFICATION	Eye and Skin Irritant			HMIS: H F R PPE 1 1 0
4	FIRST AID MEASURES	EYE flush with clean, low pressure water for 15 minutes while holding eyelids open SKIN remove contaminated clothing; wash skin with soap and water INHALATION remove to fresh air INGESTION In case of excessive ingestion, large intake of liquids, DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION.			
5	FIRE-FIGHTING MEASURES	Flash Point: >200°F (>93.3°C) (estimated) Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water Special Protective Equipment: Self Contained Breathing Apparatus Hazardous Decomposition Products: During combustion, Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides, Ammonia and trace amounts of Hydrogen Cyanide are given off.			
6	ACCIDENTAL RELEASE MEASURES	Provide adequate ventilation. Wear suitable personal protective clothing and equipment. Contain spill and collect using suitable absorbent material such as sawdust or vermiculite.			
7	HANDLING AND STORAGE	Protect containers from physical abuse. Avoid direct sunlight. Storage temperature: 60-90°F (15.6-32.2°C)			
8	EXPOSURE CONTROLS/PERSONAL PROTECTION	EYE wear safety glasses with side shields during applications when using 55 gallon drums. Wear goggles or face shields during applications when pouring 5 gallon pails. SKIN wear protective clothing. RESPIRATORY use only in well-ventilated areas. Good ventilation practices recommended.			

Reference No. B-Side (Polyols Only)

Date of Issue: 2/97

(pg. 1 of 2)

MICON
#25 Allegheny Square
Glassport, PA 15045-1649

Tel 888-4-ROKLOK Fax 412-864-7717
For Emergency: Chemtrec 800-424-9300

MATERIAL SAFETY DATA SHEET

9	PHYSICAL AND CHEMICAL PROPERTIES	<p>Vapor Pres: Not Established Specific Gravity: Not Established VOC Content (lb/gal): Negligible</p>	
10	STABILITY AND REACTIVITY	<p>Stable under normal handling and use.</p>	
11	TOXICOLOGICAL INFORMATION	<p>No toxicological testing has been done on this mixture.</p>	
12	ECOLOGICAL INFORMATION	<p>None Known</p>	
13	DISPOSAL INFORMATION	<p>This product does not meet the definition of Federal RCRA hazardous waste. To insure proper disposal, check with local and state authorities for instructions. Empty drums should be returned to the manufacturer or supplier for proper disposal.</p>	
14	TRANSPORTATION INFORMATION	<p>Not Regulated</p>	
15	REGULATORY INFORMATION	<p>EXPOSURE LIMITS TWA (8 hour), mg/m³ SHORT TERM(10 mins), mg/m³</p>	
REGULATED CHEMICAL		APPLICABLE REGULATIONS	
16	OTHER INFORMATION	<p>N/A</p>	
<p>Prepared by: N. Teuton Part No. 4446</p>		<p>Reference No. B Side Polyols Only Date of Issue: 2/97 (pg. 2 of 2)</p>	