

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



02469195

05-081-05502  
LOC # 391637

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. TYPE OF WELL

OIL WELL ☐ GAS WELL ☐ OTHER ☒

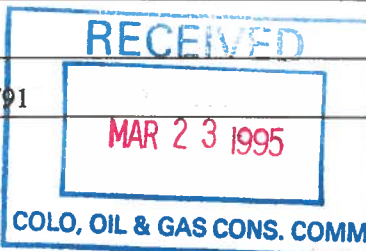
2. NAME OF OPERATOR

3. ADDRESS AND TELEPHONE NO.

P. O. BOX 458, ROCK SPRINGS, WY 82902 (307) 382-9791

4. LOCATION OF WELL (FOOTAGE, SEC., T., R., M., OR SURVEY DESCRIPTION)

1569' FSL, 2084' FWL, NE SW  
Sec 29-12N-97W



5. LEASE DESIGNATION AND SERIAL NO.

D-039907-b

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. IF UNIT OR CA, AGREEMENT DESIGNATION

POWDER WASH

8. WELL NAME AND NO.

J.C. DONNELL NO. 4

9. API WELL NO.

05-081-05502

10. FIELD AND POOL, OR EXPLORATORY AREA

POWDER WASH

11. COUNTY OR PARISH, STATE

MOFFAT, COLORADO



12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other BIOREMEDIATION

☐ Change in Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

We propose to bioremediate the oil contaminated soil on J.C. Donnell Well No. 4 location during the 1995 summer. In the fall of 1994, the oil contaminated soil was enclosed in two cells to contain any precipitation from running off location. We plan to start bioremediation after the soil temperature is above 40 degrees. F Cell No. 1 will be bioremediated as follows:

1. Add sand to the cell to improve the overall porosity of the soil (Add about 1/3 of present volume of cell material).
2. Mix and till cell contents to make as homogenous as possible.
3. Catch a base contaminated soil sample and have it analyzed for TPH.
4. Add commercial fertilizer that is high in nitrogen and phosphorous to insure that microbes obtain all necessary nutrients to grow.
5. Wet cell down with water daily for at least one week.
6. Till cell contents every two weeks.
7. Add commercial fertilizer or compost to cell once a month as needed.
8. Wet cell down every other day to keep moist.
9. Catch a composite contaminated soil sample every two months and have the sample analyzed for TPH.
10. If TPH is lowered to desired level prior to fall of 1995, spread clean soil on location and proceed with reclaiming location.

Catch a composite soil sample from bioremediation site and have sample analyzed for TPH.

(Continued on attached sheet)

14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title DISTRICT SUPERINTENDENT Date 03/08/95

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:



11. If TPH does not reach desired level prior to fall of 1996, meet with BLM personnel and determine next step.

Cell No. 2 will be divided into two smaller cells by placing a dike down the middle of the cell. The first half will be bioremediated as follows:

1. Repeat steps 1, 2 and 3 from Cell No. 1 plus also mix 450 lbs of Avenger Sorb into cell.
2. Mix 100 gallons of water and 5 gallons of Oil Avenger and wet down the cell.
3. Wet cell down with water daily for at least one week.
4. Till cell contents every two weeks.
5. Repeat Step No. 2 once a month.
6. Wet cell down every other day to keep moist.
7. Repeat steps 9, 10 and 11 from Cell No. 1.

The second half of Cell No. 2 will be bioremediated as follows:

1. Repeat steps 1, 2, and 3 from Cell No. 1.
2. Apply 22.5 gallons of Allwaste ASR to cell.
3. Apply 45 gallons of Allwaste BIO-CAT to cell.
4. Wet cell down with water daily for 10 days.
5. Apply 7.5 gallons of Allwaste ASR to cell.
6. Apply 15 gallons of Allwaste BIO-CAT to cell.
7. Wet cell down with water daily for 10 days.
8. Apply 15 gallons of Allwaste BIO-CAT to cell.
9. Wet cell down every other day to keep moist.
10. Till cell contents every two weeks.
11. Repeat steps 9, 10, and 11 from Cell No. 1.

(MSDS SHEET ATTACHED)



**MATERIAL SAFETY DATA SHEET**

DISTRIBUTED BY  
Allwaste Intermountain Plant Services, Inc.  
2525 South 1100 West  
Woods Cross, UT 84087  
1-800-487-8824

MANUFACTURER:  
NW Technologies, Inc.  
5817 Centralcrest  
Houston, Texas 77092  
EMERGENCY PHONE 701-680-1234

**SECTION I**

Identify: **ALLWASTE BIO CAT / NW BIO CATALYST** REF #0001

**SECTION II**

Hazardous Ingredients-Identify information:

**NO HAZARDOUS COMPONENTS**

(OSHA-29 CFR-1910.1200)

**Allwaste Bio Cat is a water like solution containing grass extracts, neutral pH, no turbidity or color; salts of normal ground. Allwaste Bio Cat is potable water based and non-hazardous.**

**SECTION III**

Physical/chemical Characteristics

*Boiling Point:* 100 deg C (210 deg F)

*Specific Gravity:* 0.98- 1.04

*Vapor Pressure:* 17.5 mg Hg @ 80 deg F

*Melting Point:* NA

*Evaporation Rate:* <1 (butyl/acetate=1)

*Solubility in Water:* Very soluble

*Appearance and Odor:* colorless, no odor

**SECTION IV**

Fire and Explosion Hazard Data

*Flash Point:* NA

*Extinguishing Media:* NA

*Special Fire Fighting Procedures:* None

*Unusual Fire and Explosion Hazards:* None

**SECTION V**

Reactivity Data:

*Stability:* Stable

*Conditions to avoid:* None

*Incompatibility:* Materials that react violently with water

*Hazardous Polymerization:* Will not occur

SECTION VI

Health Hazard Data:

*Primary routes of entry:* Inhalation/Ingestion: NO

*Skin:* NONE

*Ingestion:* NONE

**Chronic Effects of Overexposure:** There are no known effects from chronic exposure to this product.

Emergency and First Aid procedures:

NA

Section VII

Precautions for Safe Handling and Use:

*Released or Spilled:* Floor may be slippery; use care to avoid falling. Remove slipping hazard promptly

*Waste Disposal Method:* In most areas, flushing into a sanitary sewer with plenty of water is permissible.

Consult local, State, Federal agencies for specific requirements for your area.

Precautions to be Taken in Handling and Storing:

NONE

Other Precautions: NONE

Section VIII

Control Measures:

*Respiratory Protection:* No special precautions are required.

*Ventilation:* No special precautions are required.

*Protective Gloves:* NONE

*Eye Protection:* NONE

*Work/Hygienic Practices:* NO SPECIAL PRACTICES RECOMMENDED.

Section IX

Transportation Data

*DOT Proper shipping name:* None

*DOT Hazard Class:* N/A

*DOT I.D. Number:* N/A

*DOT Label/Placard:* None

**Disclaimer:** All statements, technical information and recommendations contained herein are based on available scientific tests or data which we believe to be reliable. The accuracy and completeness of such data are not warranted or guaranteed. We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. NW Technologies, Inc. and Allwaste Intermountain Plant Services, Inc., assumes no liability or responsibility for loss or damage resulting from the improper use or handling of our products from incompatible product combinations, or from the failure to follow instructions, warnings and advisories on the product's label and/or Material Safety Data Sheet.

Date prepared: 1/10/92

Revised: 11/3/94

Symbols: NA=Not Applicable

F=Fahrenheit

C=Centigrade

**MATERIAL SAFETY DATA SHEET**

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Allwaste Intermountain Plant Services, Inc.  
2525 South 1100 West  
Woods Cross, UT 84087  
1-800-487-8824

MANUFACTURER:  
NW Technologies, Inc.  
5817 Centralcrest  
Houston, Texas 77092  
EMERGENCY PHONE 701-680-1234

**SECTION I**

Identify: **ALLWASTE BIO-FORMULA ASR / NW SR- Soil Remediator** REF #0001

**SECTION II**

Hazardous Ingredients-Identify information:

**NO HAZARDOUS COMPONENTS**

(OSHA-29 CFR-1910.1200)

Non Hazardous Ingredients:

Non-Ionic Surfactant	<30% by weight
Di Hydric Alcohol	<25% by weight
Soluble Sodium Silicate	<5% by weight
Processed Water	>50% by weight

NOTE: Ingredients and formula are proprietary and subject to patents pending. Manufacturer certifies that the total product is non-toxic and bio-degradable.

**SECTION III**

Physical/chemical Characteristics

*Boiling Point:* 100 deg C (210 deg F)  
*Specific Gravity:* 0.98- 1.04  
*Vapor Pressure:* 17.5 mg Hg @ 80 deg F  
*Melting Point:* NA  
*Vapor Density:* 0.624 @ 80 deg F  
*Evaporation Rate:* <1 (butyl/acetate=1)  
*Solubility in Water:* Dispersible  
*Appearance and Odor:* Light green Liquid Emulsion, virtually odorless

**SECTION IV**

Fire and Explosion Hazard Data

*Flash Point:* NA  
*Extinguishing Media:* NA  
*Special Fire Fighting Procedures:* None  
*Unusual Fire and Explosion Hazards:* None

**SECTION V**

Reactivity Data:

*Stability:* Stable  
*Conditions to avoid:* None  
*Incompatibility:* Materials that react violently with water  
*Hazardous Decomposition or By-products:* Carbon Dioxide  
*Hazardous Polymerization:* Will not occur

SECTION VI

Health Hazard Data:

*Primary routes of entry:* Inhalation/Ingestion: Yes

*Skin:* Flush contaminated skin with plenty of water. Consult a physician if irritation develops.

**SPECIAL NOTE:** MSDS data pertains to the product as dispensed from the container. Adverse health effects would not be expected under recommended conditions of use (diluted) so long as prescribed safety precautions are practiced.

**Acute Effects of Overexposure:** Product is considered non-toxic orally according to 16 CFR 1500.3 (Code of Federal Regulations 16. Federal Hazardous Substances Act Regulations Part 1500.3). However, no product should be intentionally ingested. Ingestion of an excessive amount of the product may cause complications. There are no known effects from acute overexposure to this product. However, in light of good industrial hygiene, exposure to any chemical should be kept to a minimum.

**Acute Effects of Overexposure:** There are no known effects from acute exposure to this product. However, no product not intended for human consumption should be intentionally ingested.

FHSA Part 1500.3, Non toxic Orally, 16 CFR 1500.3, Non Toxic.

Emergency and First Aid procedures:

*Inhalation:* Move exposed person to fresh air.

*Skin Contact:* Flush contaminated skin with plenty of water for at least 15 minutes. If irritation develops, consult a physician.

*Eye Contact:* Immediately flush eyes with plenty of water for at least 15 minutes. If irritation develops, consult a physician.

Section VII

Precautions for Safe Handling and Use:

*Released or Spilled:* Floor may be slippery; use care to avoid falling. Wash affected area with water.

*Waste Disposal Method:* In most areas, flushing into a sanitary sewer with plenty of water is permissible.

Consult local, State, Federal agencies for specific requirements for your area.

Precautions to be Taken in Handling and Storing:

Store in tightly closed container in a dry area at temperatures between 40 and 120 degrees F. Keep material out of eyes.

**Other Precautions:** None

Section VIII

Control Measures:

*Respiratory Protection:* No special precautions are required. However, sound industrial hygiene practices to protect from hydrocarbon misting inhalation exposure during pressure cleaning operations is recommended.

*Ventilation:* No special precautions are required.

*Protective Gloves:* Recommended for extended or prolonged contact. (Eg. Immersing hands)

*Eye Protection:* Tight fitting safety glasses recommended for handling product in concentrated form, especially if contacts are worn.

*Work/Hygenic Practices:* Normal care and cleanliness will prevent adverse health effects.

Section IX

Transportation Data

*DOT Proper shipping name:* None

*DOT Hazard Class:* N/A

*DOT I.D. Number:* N/A

*DOT Label/Placard:* None

**Disclaimer:** All statements, technical information and recommendations contained herein are based on available scientific tests or data which we believe to be reliable. The accuracy and completeness of such data are not warranted or guaranteed. We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. NW Technologies, Inc. and Allwaste Intermountain Plant Services, Inc., assumes no liability or responsibility for loss or damage resulting from the improper use or handling of our products from incompatible product combinations, or from the failure to follow instructions, warnings and advisories on the product's label and/or Material Safety Data Sheet.

Date prepared: 1/10/92

Revised: 11/3/94

Symbols: NA=Not Applicable

F=Fahrenheit

C=Centigrade



# MATERIAL SAFETY DATA SHEET

24 HOUR EMERGENCY NUMBER: (601) 922-0868

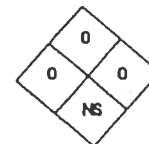
- I. **PRODUCT IDENTIFICATION: AVENGER SORB™**  
Southwest MicroProducts Marketing, Inc.  
Mesa, Arizona 85204
- II. **PRODUCT INFORMATION: Avenger Sorb™**  
FORM: Free-flowing powder      ODOR: Odorless  
COLOR: Tan      FORMULA: Natural - Proprietary
- III. **HAZARDOUS INGREDIENTS/IDENTITY INFORMATION: NONE Known**
- IV. **PHYSICAL/CHEMICAL CHARACTERISTICS:**  
WATER SOLUBILITY: Insoluble/Dispersible      PARTICLE SIZE: 1.588 mm mesh  
pH of SO'N: 7.0 +/-0.2      MOISTURE(% WET WT): 600%  
SPECIFIC GRAVITY: 1.25 g/00
- V. **FIRE and EXPLOSION HAZARD DATA:**  
FLASH POINT: N/A      FLAMMABLE LIMIT: 500°F  
MELTING POINT: N/A      FIRE FIGHTING PROCEDURES: Treat as paper fire.
- VI. **HEALTH HAZARD DATA:**  
EYE CONTACT: Redness or irritation, Flush with water.  
SKIN CONTACT: Irritation possible, wash with soap and water. If irritation persists call physician  
INHALATION: Agricultural ingredients, may upset allergies or cause respiratory illness. Move to fresh air if breathing becomes tight or upset.  
INGESTION: May cause nausea or diarrhea. Drink large amounts of water. Call physician if acute.
- VII. **STORAGE of PRODUCT**  
Recommended Storage: Store in cool dry conditions. Storage temp: 41°F to 104°F (5°C to 40°C)  
Waste Disposal: Product is biodegradable and totally safe to the Environment. Can be incinerated
- VIII. **PROTECTIVE EQUIPMENT TO BE USED:**  
GLOVES: Not necessary      EYE PROTECTION: Goggles recommended.  
OTHER PROTECTIVE EQUIPMENT: Dust Mask recommended if in non-ventilated area
- IX. **SPECIAL PRECAUTIONS AND OTHER COMMENTS:**  
HAZARDOUS CONDITIONS: May emit ammonia gas in contact with strong caustic.  
INCOMPATIBILITY: Strong caustic acids.

**ATTENTION:** To the best of our knowledge, the information contained herein is accurate. However, Products does not assume any liability, whatsoever, for the accuracy or completeness of this information. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards & should be used with caution. Any product use, which is not in conformance with this DATA SHEET, or which involves using the product in combination with any other process, in the sole responsibility of the user.

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200



# MATERIAL SAFETY DATA SHEET



**24 HOUR EMERGENCY NUMBER: (602) 497-8658**

Non hazardous per 29 CFR 1910.120(d)

- I. PRODUCT IDENTIFICATION:** OIL AVENGER™  
Southwest MicroProducts Marketing, Inc. - Mesa, Arizona
- II. HAZARDOUS INGREDIENTS:** NONE  
NON-HAZARDOUS, NON-TOXIC - Chem. Name: % PEL/OSHA TLV-ACGIH CAS NUMBER  
Non-Restricted N/L N/L N/L N/L
- III. PHYSICAL DATA:**  
Boiling Point: 210°F Spec. Gravity: 1.03 Vapor Pressure: N/A  
Volatile: >80% Vapor Density: (air=1) N/A Solubility: SOLUBLE
- IV. FIRE and EXPLOSION DATA:** NONE  
Flash Point: N/A Health: N/D Reactivity: N/A  
Extinguishing Media: CO2 DRY FOAM Special Procedures: None  
Explosion Hazards: None Flammability Levels: None
- V. HEALTH HAZARD DATA:**  
Carcinogenicity: NPT N/L IARC: N/L OSHA N/L  
Signs and Symptoms of Exposure: N/L Permissible Exposure Level: N/K  
Effects of Overexposure - (Acute and Chronic):  
Eyes; Not expected to be a problem Skin: Not expected to be a problem  
Inhalation: Not expected to be a problem Ingestion: May cause nausea.  
Signs and Symptoms of Exposure: N/L
- VI. REACTIVITY DATA:**  
Incompatibility: None Stability: STABLE  
Hazardous Decomposition Products: See Section IV  
Hazardous Polymerization: WILL NOT OCCUR
- VII. SPILL or LEAK PROCEDURES:**  
Spills: Soak up with Absorbant, place in waste disposal container.  
Leaks: Soak up with Absorbant, place in waste disposal container.  
Dispose of in Accordance with State and Local Regulations.
- VIII. PROTECTIVE EQUIPMENT TO BE USED:**  
Protective Gloves: NOT Necessary Eye Protection: NOT Necessary  
Other Protective Equipment: NONE
- IX. SPECIAL PRECAUTIONS AND OTHER COMMENTS:**  
Other Controls: Follow directions on the Container.  
Hygienic Practices: See work practices. Storing: Cool Dry Place out of Sunlight  
Keep Out of Reach of Children.  
Work Practices: Use common sense and care around chemicals. NEVER mix chemicals. Consult  
your Supervisor for other practices. All practices depend on your business.

**ATTENTION:** To the best of our knowledge, the information contained herein is accurate. However, Products does not assume any liability, whatsoever, for the accuracy or completeness of these information. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards & should be used with caution. Any product use, which is not in conformance with this DATA SHEET, or which involves using the product in combination with any other process, in the sole responsibility of the user.

\* N/A - Not Applicable, N/E - Not Established, N/K - Not Known, N/D - Not Required, N/L - Not Listed \*



# MATERIAL SAFETY DATA SHEET

24 Hour Emergency Number: (602) 497-8658

I. - MANUFACTURERS NAME: Southwest MicroProducts Marketing, Inc.  
2142 E. El Moro, Mesa, Arizona 85204

II. - PRODUCT INFORMATION: Microbial Cultures SMP 218  
FORM: Free-flowing Powder ODOR: Yeast-like  
COLOR: Tan FORMULA: Proprietary

III. - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION:  
HAZARDOUS COMPONENTS: None

IV. - PHYSICAL/CHEMICAL CHARACTERISTICS:

BULK DENSITY: 4.2 - 5.1 lb./gal  
pH of SO'N: 7.0 +/- 0.2  
MOISTURE (% WET WT): 6% - 12%

WATER SOLUBILITY: Insoluble/Dispersible  
PARTICLE SIZE: 1.588 mm mesh

V. - FIRE and EXPLOSION HAZARD DATA:

FLASH POINT: N/A  
EXTINGUISHING MEDIA: Water

SPECIAL FIRE FIGHTING PROCEDURES: None

VI. - REACTIVITY DATA:

STABILITY: Stable  
HAZARDOUS BYPRODUCTS: None

INCOMPATIBILITY: None  
HAZARDOUS POLYMERIZATION: Will not occur

VII. - HEALTH HAZARD DATA:

EYE CONTACT: May cause irritation

First Aid: Flush with water for at least 15 minutes. Contact Physician.

Recommended Precautions: Safety glasses with side shields.  
Avoid dusty or enclosed environment.

SKIN CONTACT: Exposure can irritate sensitive skins.

First Aid: Wash with soap and water.

Recommended Precautions: Limit exposure. Use rubber gloves. Do Not handle product directly.

INGESTION: Can lead to nausea or diarrhea.

First Aid: Give two glasses of water to dilute product, do not induce vomiting,  
Contact physician if condition persists.

Recommended Precautions: Store in safe place. Wear protective mask.

INHALATION: Asthmatic type response with sensitive individuals.

First Aid: Calm the individual, allow plenty of fresh air, loosen clothing  
around neck. Contact a physician.

Recommended Precautions: Use approved respiratory mask. Avoid creating dust where possible.

VIII. - STORAGE and HANDLING of PRODUCT:

Recommended Storage: Store in cool dry conditions. Storage temp: 41°F to 104°F (5°C to 40°C).

Waste Disposal: Product is biodegradable, small spillage's can be washed away with water.  
Large spillage's if uncontaminated, can be returned to container.

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200

