

Add a New Site

Site Name: Red Panther Chemical Company

Official / Legal Name: Red Panther Chemical Company

Air Type: ~~Filled~~ True Miner

Water Type: Ind

HW Type: Non Gen

SW Type:

Site General Information

ENTERED BY MCC
ON 12/16/99

County: Coahoma

Contact Name: Cain, Bobby

Contact Title: Quality Control Manager

Contact Phone: 601-627-4731

Physical Address
City, State, Zip: NORMANDY & PATTEN STREETS
CLARKSDALE MS 38614

Mailing Address
City, State, Zip: P.O BOX 550
CLARKSDALE MS 38614

Owner's Name: ,

Owner's Address
City, State, Zip:

Operator or Contractor Name: ,

Address
City, State, Zip:

Site Identification Information

ECED Contact:

SIC1: 2819 SIC2: SIC3:

Air ID: 00010 5 digit ID assigned by Air Division

Dunn and Bradstreet Number:

NAME _____

DATE _____

ANNUAL TRAINING PROGRAM

PERSONAL PROTECTIVE GEAR AND EMERGENCY MEASURES

1. WHY SHOULD YOU LEAVE POP, CANDY, CHEW, AND CIGARETTES IN THE BREAK ROOM?
 - A. ORGANIC PRODUCTS LIKE THIS CAN DILUTE OR EVEN SPOIL ANY CHEMICALS THEY TOUCH
 - B. HAVING THEM IN THE WORK AREA INCREASES YOUR RISK OF ORAL CONTAMINATION
 - C. YOU SHOULDN'T BRING TREATS TO WORK UNLESS YOU BRING ENOUGH FOR EVERYBODY
 - D. IN CASE OF A SPILL OR FIRE, LIVES COULD BE LOST TRYING TO RESCUE THESE ITEMS
 - E. ALL OF THE ABOVE

2. WHICH ONE OF THESE WOULD CAUSE THE GREATEST RISK OF CONTAMINATION THROUGH ABSORPTION?
 - A. SPLASHING A CHEMICAL IN YOUR EYES
 - B. SPLASHING A CHEMICAL IN YOUR HAIR
 - C. POURING A CHEMICAL ON YOUR FOOT
 - D. DIPPING YOUR FINGER IN A CHEMICAL
 - E. GETTING A CHEMICAL ON YOUR LEATHER GLOVES

3. AFTER A DAY OF WORKING WITH A HAZARDOUS CHEMICAL, YOU'LL BE TAKING YOUR FAMILY TO A CHURCH POTLUCK DINNER. IN WHAT ORDER SHOULD YOU DO THE FOLLOWING THINGS? (NUMBER 1 THROUGH 7)
 - A. SHOWER AND WASH YOUR HAIR
 - B. RUN THE WASHING MACHINE EMPTY FOR TWO COMPLETE CYCLES, WITH HOT WATER AT THE LEVEL FULL AND THE FULL MEASURE OF DETERGENT
 - C. PREPARE THE BEAN CASSEROLE
 - D. WASH YOUR CONTAMINATED CLOTHING SEPERATELY FROM THE REST OF THE FAMILY'S LAUNDRY
 - E. DRIVE HOME
 - F. PUT YOUR CONTACT LENSES BACK IN
 - G. WASH YOUR GOGGLES AND RUBBER GLOVES

4. IF YOU WANT AN INSPECTION OR HAZARDOUS PROCEDURE DONE RIGHT, WITH NO FOUL-UPS..
 - A. DO IT YOURSELF, WHEN NO ONE ELSE IS AROUND
 - B. HIRE AN OUTSIDE CONTRACTOR AND STAY OUT OF THEIR WAY
 - C. USE THE "BUDDY SYSTEM"
 - D. JUST USE COMMON SENSE, THAT'S ALL THOSE CHECKLISTS ARE ANYWAY
 - E. USE A CHECKLIST AND MAKE SURE ALL POINTS ARE COVERED

5. WHAT'S THE PURPOSE OF A LOCKOUT?
 - A. TO KEEP UNAUTHORIZED PERSON FROM VIEWING COMPANY RECORDS
 - B. TO MAKE IT IMPOSSIBLE FOR EQUIPMENT TO BE ACCIDENTLY POWERED UP WHILE SOMEONE IS WORKING ON OR AROUND IT
 - C. TO RESTRICT MACHINERY USE ONLY TO THOSE QUALIFIED
 - D. TO PREVENT AFTER-HOURS THEFT OF SUPPLIES
 - E. NONE OF THE ABOVE

6. WHERE ARE THE EMERGENCY PHONE NUMBERS?
 - A. IN THE PHONE BOOK
 - B. IN YOUR OPERATIONS PLAN
 - C. IN YOUR EMERGENCY ACTION PLAN
 - D. POSTED AT THE RENDEZVOUS POINT
7. IF YOU THINK SOMEONE HAS RECEIVED PESTICIDE POISONING, WHAT DO YOU DO?
 - A. PUT ON LEATHER GLOVES BEFORE HANDLING THE VICTIM
 - B. FILL OUT AN OSHA FORM 101 (ILLNESSES AND INJURIES REPORT), CALL FOR MEDICAL HELP, AND ALERT THE EMERGENCY COORDINATOR
 - C. ALERT THE EMERGENCY COORDINATOR, CALL FOR MEDICAL HELP, AND CONSULT THE MSDS FOR FIRST AID INSTRUCTIONS
 - D. ASK THE VICTIM WHETHER THEY HAVE ANY POP, CANDY, FOOD, OR TOBACCO
 - E. DOCUMENT FOR THE EMERGENCY COORDINATOR ANY SYMPTOMS SUCH AS WEAKNESS, HEADACHE, BLURRED VISION, SWEATING, NON-REACTIVE PUPILS, DIARRHEA, CRAMPS, OR DROOLONG
8. WHY NOT POUR WATER ON A FIRE WHERE CHEMICALS ARE INVOLVED? (CHECK ALL THAT APPLY)
 - A. IF THE CHEMICALS ARE DILUTED, THEY CANNOT BE RETRIEVED AND SOLD
 - B. SOME CONTAINERS MAY BE DAMAGED BY FIRE AND LEAKING, SO ADDING WATER WOULD CAUSE RUNOFF POLLUTION, ENDANGERING WILDLIFE AND COMMUNITY WATER SUPPLIES
 - C. MOST CHEMICALS WILL EXPLODE IF MIXED WITH WATER
 - D. IF CHEMICALS ARE SPILLED, WATER WILL SPREAD THE SPILL, CAUSING COMPLICATIONS AND HAZARDS LATER FOR THE CLEAN-UP CREW
 - E. THIS IS A MYTH: WATER CAUSES NO SPECIAL PROBLEMS IN A CHEMICAL FIRE
9. THE CHEMICAL WAREHOUSE IS ON FIRE, AND THERE MAY BE WORKERS INSIDE. WHAT SHOULD YOU DO?
 - A. CALL THE FIRE DEPARTMENT, ALERT YOUR EMERGENCY COORDINATOR, THEN STAY OUT AND WAIT FOR A HAZMAT TEAM
 - B. CALL THE FIRE DEPARTMENT, ALERT YOUR EMERGENCY COORDINATOR, THEN PUT ON AN SCBA (SELF CONTAINED BREATHING APPARATUS) BEFORE YOU GO IN TO RESCUE THE INJURED
 - C. ALERT YOUR EMERGENCY COORDINATOR, PUT ON THE SCBA, AND GET A BACKUP PERSON ON THE SCENE BEFORE YOU GO IN TO RESCUE THE INJURED
 - D. CALL THE WAREHOUSE ON THE INTERCOM AND ASK "ARE YOU OKAY?"
10. WHICH OF THE FOLLOWING REQUIREMENTS MUST BE MET BEFORE A SPILL DOESN'T HAVE TO BE REPORTED TO THE STATE? (CHECK ALL NECESSARY CONDITIONS)
 - A. THE SPILL WAS EITHER LESS THAN THE REPORTABLE QUANTITY, OR IF GREATER IT WAS RESTRICTED TO THE FACILITIES PREMISES
 - B. NOBODY SAW THE SPILL HAPPEN
 - C. ALL OF THE SPILL WAS RETRIEVED AND NONE OF IT ESCAPED INTO THE AIR, WATER, OR SOIL
 - D. RETRIEVED SPILLED MATERIAL PROPERLY STORED AND LABELED ACCORDING TO MSDS OR LABEL INSTRUCTIONS
 - E. ONLY EMPLOYEES, AND NO OTHER COMMUNITY MEMBERS SUFFERED CHEMICAL EXPOSURE
 - F. RINSEWATER WAS CHANNLED SAFELY TO A STREAM OR RIVER
 - G. THE SUPERVISOR WHO WOULD MAKE THE REPORT WAS PRESENT DURING CLEANUP
11. IN THIS VIDEO YOU HAVE SEEN AN EMPLOYEE FIGHTING A SMALL FIRE WHILE IN VIOLATION OF AN IMPORTANT PROTECTIVE CLOTHING REQUIREMENT. CAN YOU IDENTIFY IT?

EMPLOYEE _____

INSTRUCTOR _____

COMPANY _____

DATE _____

GENERAL AWARENESS AND FAMILIARIZATION TEST

DIRECTIONS: READ EACH STATEMENT CAREFULLY AND CIRCLE THE RESPONSE THAT MOST FULLY ANSWERS THE QUESTION.

1. CONTAINERS FOR HAZARDOUS MATERIALS MUST BE:
 - A. LEAK-PROOF, MARKED WITH ID NUMBERS, AND TESTED PRIOR TO USE
 - B. LEAK-PROOF, COLOR-CODED, AND MARKED WITH ID NUMBERS
 - C. COLOR-CODED, AND MARKED WITH ID NUMBERS
 - D. NONE OF THE ABOVE

2. ALL EMERGENCY INFORMATION REGARDING A HAZARDOUS MATERIAL MUST:
 - A. CONTAIN AN EMERGENCY TELEPHONE NUMBER
 - B. BE ACCESSIBLE TO WORKERS
 - C. BE PRINTED IN ENGLISH AND AVAILABLE AT A LOCATION AWAY FROM THE HAZMAT PACKAGE
 - D. ALL OF THE ABOVE

3. A HAZMAT EMPLOYEE IS DEFINED AS ONE WHO:
 - A. WORKS IN A TRUCKING COMPANY
 - B. HAS A DIRECT AFFECT ON THE SAFE TRANSPORTATION OF HAZARDOUS MATERIAL
 - C. WORKS IN THE LOADING AND STORAGE AREA OF A COMPANY
 - D. OWNS/OPERATES A TRUCK

4. IN THE HAZARDOUS MATERIAL TABLE, THE PACKAGING GROUP IS AN INDICATION OF:
 - A. THE SIZE OF THE HAZMAT PACKAGING
 - B. THE WEIGHT OF THE HAZMAT PACKAGING
 - C. THE DEGREE OF DANGER THE MATERIAL PRESENTS
 - D. THE SIZE AND THE WEIGHT OF THE HAZMAT PACKAGING

5. SEPARATION DISTANCE REFERS TO THE:
 - A. REQUIRED DISTANCE BETWEEN HAZARDOUS MATERIAL IN STORAGE
 - B. REQUIRED DISTANCE BETWEEN RADIOACTIVE MATERIALS AND OTHER MATERIALS
 - C. REQUIRED DISTANCE BETWEEN PEOPLE AND CARGO COMPARTMENT DIVIDING PETITIONS
 - D. BOTH B AND C

6. THE PROPER ENTRY OF A HAZARDOUS MATERIAL ON A SHIPPING PAPER MUST SHOW:
 - A. THE EMERGENCY RESPONSE PHONE NUMBER, THE NAME OF THE SHIPPER, THE BASIC DESCRIPTION OF THE MATERIAL, AND THE ID NUMBER
 - B. ONLY THE DESCRIPTION
 - C. ONLY THE SHIPPING NAME AND ID NUMBER
 - D. DESCRIPTION AND EMERGENCY RESPONSE PHONE NUMBER

7. PLACARDS MUST BE PLACED:
 - A. ON EACH SIDE AND EACH END OF THE HAZARDOUS MATERIAL PACKAGE
 - B. ON EACH SIDE AND EACH END OF THE TRANSPORT VEHICLE OR RAIL CAR
 - C. ON THE TOP OF THE HAZARDOUS MATERIAL PACKAGE
 - D. ON THE REAR OF THE TRANSPORT VEHICLE

8. THE "NA" IN THE IDENTIFICATION NUMBER REFERS TO:
 - A. NOT APPLICABLE
 - B. THE FACT THAT THE MATERIAL IS APPROPRIATE FOR DOMESTIC AND CANADIAN TRANSPORT ONLY
 - C. THE FACT THAT THE MATERIAL IS APPROPRIATE FOR INTERNATIONAL AND DOMESTIC TRANSPORTATION
 - D. THE FACT THAT THE MATERIAL CANNOT BE TRANSPORTED

9. HAZARDOUS MATERIAL WARNING LABELS LIST:
 - A. THE CONTENTS, WEIGHT, AND DESTINATION OF THE HAZMAT PACKAGE
 - B. THE DESCRIPTION, WEIGHT, AND DESTINATION OF THE HAZMAT PACKAGE
 - C. THE CORRECT CLASS AND DIVISION OF HAZARD OF THE HAZMAT PACKAGE
 - D. WARNING LABELS ARE COLOR-CODED COLY

10. PROPER SHIPPING NAMES APPEAR IN THE HAZARDOUS MATERIAL TABLES ARE:
 - A. HIGHLIGHTED
 - B. ITALIC PRINT
 - C. ALL CAPITALS
 - D. ROMAN TYPE

EMPLOYEE _____ INSTRUCTOR _____
COMPANY _____ DATE _____

SAFETY TEST

DIRECTIONS: READ EACH STATEMENT CAREFULLY AND CIRCLE THE RESPONSE THAT MOST FULLY ANSWERS THE QUESTION.

1. SAFETY TRAINING IS INTENDED FOR:
 - A. THOSE WHO DIRECTLY HANDLE OR TRANSPORT HAZARDOUS MATERIALS
 - B. WAREHOUSE WORKERS, PACKERS, DRIVERS
 - C. THOSE INVOLVED WITH PACKAGING, LABELING, AND PLACARDING
 - D. DRIVERS ONLY
2. ALL EMERGENCY INFORMATION REGARDING A HAZARDOUS MATERIAL MUST:
 - A. CONTAIN AN EMERGENCY TELEPHONE NUMBER
 - B. BE ACCESSIBLE TO WORKERS
 - C. BE PRINTED IN ENGLISH AND AVAILABLE AWAY FROM THE HAZMAT PACKAGE
 - D. ALL OF THE ABOVE
3. WHEN DEALING WITH VAPORS, FUMES, AND SMOKE:
 - A. STAY CLEAR ONLY IF YOU KNOW THE MATERIAL IS HAZARDOUS
 - B. STAY CLEAR AND ASSUME THE MATERIAL IS HAZARDOUS
 - C. APPROACH SLOWLY AFTER COVERING YOUR MOUTH AND NOSE
 - D. APPROACH SLOWLY AFTER CALLING FOR ASSISTANCE
4. THE ORANGE PAGES OF THE EMERGENCY RESPONSE GUIDEBOOK CONTAIN:
 - A. A LISTING OF HAZARDOUS MATERIALS BY ID NUMBER
 - B. AN ALPHABETICAL LISTING OF HAZARDOUS MATERIALS
 - C. INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES
 - D. EMERGENCY RESPONSE INFORMATION
5. IF AN ENTRY IS HIGHLIGHTED YOU SHOULD:
 - A. BE PREPARED TO LEAVE AREA IMMEDIATELY
 - B. TURN TO THE ORANGE PAGES FOR EMERGENCY RESPONSE INFORMATION
 - C. TURN TO THE GREEN PAGES: INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES
 - D. NO MATERIAL IS HIGHLIGHTED
6. THE EMERGENCY TELEPHONE NUMBER MUST BE:
 - A. ANSWERED 24 HOURS A DAY
 - B. CONNECTED TO A 911 NUMBER
 - C. ANSWERED 24 HOURS A DAY BY ONE KNOWLEDGEABLE IN HAZMAT EMERGENCIES
 - D. ANSWERED OR CONNECTED TO A RECORDER 24 HOURS A DAY
7. AT A MINIMUM, SAFETY TRAINING MUST INCLUDE:

- A. HOW TO ISOLATE A SPILL
- B. KNOWING WHOM TO CALL IN CASE OF A HAZMAT EMERGENCY
- C. HOW TO USE A FIRE EXTINGUISHER
- D. BOTH B AND C

8. IF YOU CANNOT FIND EITHER THE ID NUMBER OR NAME OF A SPILLED MATERIAL THAT YOU BELIEVE IS HAZARDOUS:

- A. USE GUIDE 11 UNTIL YOU RECEIVE MORE INFORMATION
- B. TAKE NO ACTION UNTIL YOU RECEIVE MORE INFORMATION
- C. LEAVE THE AREA IMMEDIATELY
- D. SELECT ANY OF THE GUIDE NUMBERS USED FOR EXPLOSIVES

9. THE GREEN PAGES OF THE EMERGENCY RESPONSE GUIDE PROVIDE:

- A. A LISTING OF HAZARDOUS MATERIALS BY ID NUMBERS
- B. AN ALPHABETICAL LISTING OF HAZARDOUS MATERIALS
- C. INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES
- D. EMERGENCY RESPONSE INFORMATION

10. YOU CAN FIND A MATERIAL'S 2-DIGIT GUIDE NUMBER IN THE EMERGENCY RESPONSE GUIDEBOOK BY:

- A. USING THE YELLOW PAGES (ID INDEX)
- B. USING THE BLUE PAGES (NAME INDEX)
- C. LOOKING ON THE SHIPPING PAPER OR MSDS
- D. EITHER A OR B

NAME _____

DATE _____

ANNUAL TRAINING PROGRAM

MSDS AND WORKPLACE HAZARD INFORMATION

1. THE HOUSEHOLD RAT POISON ERADI-RAT HAS AN LD50 (RAT) OF 10MG/KG. SUPPOSE A 70-POUND DOG (APPROXIMATELY 32 KILOGRAMS) ACCIDENTLY ATE A LITTLE OF IT--- SAY, 20 MILLIGRAMS. WHAT RESULT WOULD YOU EXPECT AND WHY?
 - A. THE DOG WILL PROBABLY DIE BECAUSE IT SWALLOWED TWICE THE LETHAL DOSE
 - B. THE DOG WILL EXPERIENCE NO ILL EFFECTS, BECAUSE ERADI-RAT IS A RAT POISON AND THEREFORE HAS NO EFFECT ON DOGS
 - C. THE DOG MAY BECOME ILL BUT WILL PROBABLY SURVIVE, BECAUSE 10MG/KG EQUALS 320 MG FOR A 32KG ANIMAL, AND THE DIG ONLY ATE ABOUT ONE-SIXTEENTH OF THAT
 - D. ALL GUESSES ARE WOTHLESS, SINCE DOGS WEREN'T USED IN THE LETHAL-DOSE TESTING

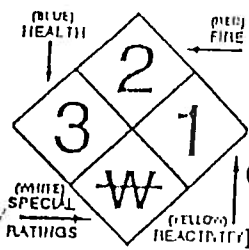
2. WHICH IS THE LARGER DOSE: A CHEMICAL'S LD50, OR ITS PERMISSIBLE EXPOSURE LIMIT? WHY?
 - A. THE LD50 IS LARGER, BECAUSE A PERMISSIBLE DOSE MUST BE VERY CONSERVATIVE
 - B. THEY ARE THE SAME NUMBER; THEY DESCRIBE THE SAME DOSAGE CONDITIONS
 - C. THE PEL IS LARGER, BECAUSE IT ALLOWS A SAFETY MARGIN
 - D. IT DEPENDS ON HOW MUCH YOU WEIGH, BECAUSE THE PEL ACTUALLY GOES DOWN FOR HEAVIER ANIMALS

3. NAME THE 3 MOST COMMON WAYS A CHEMICAL CAN GET INTO YOUR BODY
 - A. _____
 - B. _____
 - C. _____

4. IF THE CHEMICAL SMELL IN YOUR WORKPLACE IS STRONG ENOUGH TO MAKE YOU SUSPECT YOU'RE EXCEEDING THE PERMISSIBLE EXPOSURE LIMIT, WHAT'S THE FIRST THING TO DO?
 - A. IMMEDIATELY CALL THE HOSPITAL AND MAKE AN APPOINTMENT FOR CHOLINESTERASE TESTING
 - B. SEE WHAT YOU CAN DO TO LOWER THE AIR CONTAMINATION BELOW PERMISSIBLE LEVELS, BY CLEANING UP SPILLS, CHECKING CONTAINER SEALS, OR VENTILATING THE ROOM
 - C. START WEARING THE PROPER RESPIRATOR ANYTIME YOU ARE IN THE BUILDING-- EVEN AFTER CONTAMINATION LEVELS ARE REDUCED TO SAFE LEVELS
 - D. ALWAYS WEAR A FULL CHEMICAL SUIT AND SCBA IN THE WORKPLACE

5. A CONTAINER RUPTURES, RELEASING A POISONOUS, ODORLESS, COLORLESS GAS INTO A HIGH-CEILINGED WAREHOUSE IN VERY DANGEROUS CONCENTRATIONS, TRAPPING ONE WORKER INSIDE. A RESCUE WORKER PUTS ON AN SCBA AND GOES IN AFTER HIM, BUT WHEN HE IS DEEP INSIDE THE BUILDING HIS RESPIRATOR FAILS. HE KNOWS FROM THE MSDS THAT THE GAS'S VAPOR DENSITY IS 1.2. WHAT SHOULD HE DO?
 - A. WALK OR RUN TO THE NEAREST EXIT, BREATHING AS LITTLE AS POSSIBLE, AND GET ANOTHER SCBA
 - B. HIT THE FLOOR AND BELLY-CRAWL TO THE NEAREST EXIT, AND GET ANOTHER SCBA
 - C. CONTINUE WITH THE RESCUE, SINCE 1.2 PARTS PER MILLION DISSIPATES VERY FAST
 - D. CONTINUE WITH THE RESCUE: BOTH ARE SAFE IF THEY AVOID BREATHING THE AIR NEAR THE CEILING

6. TRAINED FIREFIGHTERS ARRIVE AT A CHEMICAL WAREHOUSE FIRE. BESIDE THE ENTRANCE IS THIS SIGN. WHAT DOES IT MEAN?



- A. HIGHLY REACTIVE CHEMICALS INSIDE: SLIGHTLY LESS DANGER FROM FIRE, EVEN LESS HEALTH HAZARD: DO NOT USE WATER ON THE FIRE
- B. CONSIDERABLE HEALTH HAZARD FROM TOXIC CHEMICALS: MODERATELY COMBUSTIBLE CHEMICALS PRESENT: SMALL REACTIVITY HAZARD: NO WATER HYDRANTS AVAILABLE
- C. ONE REACTIVE SUBSTANCE, TWO FLAMMABLE SUBSTANCES, AND THREE TOXIC SUBSTANCES ARE STORED INSIDE: NO WATER HYDRANTS AVAILABLE
- D. CONSIDERABLE HEALTH HAZARD FROM TOXIC CHEMICALS: MODERATELY COMBUSTIBLE CHEMICALS PRESENT: SMALL REACTIVITY HAZARD: DO NOT USE WATER ON THE FIRE
7. WHICH WOULD BEST PROTECT YOUR EYES FROM CHEMICAL EXPOSURE HAZARDS?
- A. HALF-MASK RESPIRATOR
- B. FULL FACEPIECE RESPIRATOR
- C. COMBINATION OF CONTACT LENSES AND GOGGLES
- D. EYE-WASH STATIONS, OR A PLENTIFUL SUPPLY OF CLEAN RUNNING WATER
- E. COMBINATION OF FULL FACEPIECE RESPIRATOR, CONTACT LENSES, AND GOGGLES
8. WHAT'S THE ADVANTAGE OF A SELF-CONTAINED BREATHING APPARATUS (SCBA)?
- A. NO ADDITIONAL PERSONAL PROTECTIVE EQUIPMENT IS NEEDED TO PREVENT CHEMICAL EXPOSURE
- B. EMPLOYEES WHO WISH TO MAY USE AN SCBA WITHOUT SPECIAL QUALIFICATIONS OR TRAINING
- C. YOU DO NOT HAVE TO WORRY ABOUT THE OXYGEN LEVEL IN THE SURROUNDING ATMOSPHERE
- D. CARTRIDGES AND CANISTERS MAY FAIL AFTER A WHILE, BUT A SCBA WON'T
- E. ALL OF THE ABOVE
9. HOW CAN EXCESSIVE NOISE HURT YOU? (CHECK ALL CORRECT ANSWERS)
- A. I SAID, "HOW CAN EXCESSIVE NOISE HURT YOU?"
- B. IT ACCELERATES TOOTH DECAY
- C. IT CAN MAKE YOU FEEL TIRED AND IRRITABLE
- D. IT CAN CAUSE BIRTH DEFECTS IN LABORATORY RATS
- E. IT CAN BE DISTRACTING AND CAUSE YOU TO MAKE DANGEROUS MISTAKES
- F. IT INTERFERES WITH VERBAL COMMUNICATION
- G. IT DISTORTS YOUR SENSE OF TIME
10. WHICH OF THESE NOISES ARE PROBABLY AT OR ABOVE THE "THRESHOLD OF PAIN"?
- A. A THUNDERBOLT STRIKING A HALF BLOCK AWAY
- B. HEAVY TRUCK TRAFFIC RUMBLING BY THE STREET
- C. HEAVY TRUCK TRAFFIC RUMBLING BY
- D. A WHINING CHILD IN YOUR LAP
- E. A NEARBY EXPLOSION WHICH SHATTERS WINDOWS
- F. FINGERNAILS ON THE BLACKBOARD
- G. FIRING A HIGH-POWERED RIFLE WITHOUT HEARING PROTECTION

(CHECK ALL CORRECT ANSWERS)

MATERIAL SAFETY DATA SHEET

This document has been prepared to meet the requirements of the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200; the EEC Directive, 91/155/EEC and other regulatory requirements. The information contained herein is for the concentrate as packaged, unless otherwise noted.

1. Company and Product Identification

FMC CORPORATION
 Agricultural Chemical Group
 1735 Market Street
 Philadelphia, PA 19103 U.S.A.

Code Number : 31994
Active Ingredient : Endosulfan
Chemical Family : Organochlorine Pesticide
Formula : C₉H₆Cl₆O₃S (endosulfan)
Alternate Brand Names : Thiodan 2 C.O. EC
Synonyms : FMC 5462; Hexachlorohexahydropentahydro-2,4,3-benzodioxathiepin 3-oxide; IUPAC: (1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenebismethylene) sulfite

EMERGENCY TELEPHONE NUMBERS:

CHEMTREC
 (800)424-9300 (U.S.A. & Canada)
 (202)483-7616 (All Other Countries)

FMC CORPORATION
 (800)331-3148 (U.S.A. & Canada)
 (716)735-3765 (All Other Countries-reverse charges)

2. Composition/Information on Ingredients

Ingredient Name	CAS #	EEC Number	PEL/TLV	EEC Class
Endosulfan (23.1%)	115-29-7	602-052-00-5	0.1 mg/m ³ (skin)	R24/25-36
Aromatic Hydrocarbons (<12.4%)	64742-95-6	650-001-00-0	100 ppm	None
1,2,4-trimethylbenzene (<5.3%)	95-63-6	None	25 ppm	None
Surfactant Blend (<5%)	None	None	None	None
Xylene (<4.2%)	1330-20-7	601-022-00-9	100 ppm	R11-20/21-38
Ethylbenzene (<0.6%)	100-41-4	601-023-00-4	150 ppm STEL 100 ppm 125 ppm STEL	R11-20

3. Hazards Identification

Emergency Overview:

- Amber liquid with an aromatic hydrocarbon odor.
- Moderately combustible. May support combustion if heated above the product's flash point (40°C/103°F).
- Thermal decomposition and burning may form toxic by-products.
- For large exposures or fire, wear personal protective equipment.
- Highly toxic to fish and aquatic organisms. Keep out of drains and water courses.
- High oral toxicity, and moderate inhalation and dermal toxicity.

Potential Health Effects: Effects from overexposure result from either swallowing, breathing or absorption through the skin. Symptoms of overexposure include headache, weakness, abdominal cramps, nausea, excessive salivation, perspiration, blurred vision, tearing, pin-point pupils, convulsions, tremor and coma.

Medical Conditions Aggravated by Exposure: None presently known.

4. First Aid Measures

- Eyes** : Flush with water for at least 15 minutes. If irritation occurs and persists, obtain medical attention.
- Skin** : Wash with plenty of soap and water. Get medical attention if irritation occurs and persists.
- Inhalation** : Remove to fresh air. If breathing difficulty or discomfort occurs and persists, contact a medical doctor.
- Ingestion** : Rinse mouth with water. Dilute by giving 1 or 2 glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. See a medical doctor immediately.

Note to Medical Doctor : Thiodan Cottonseed Oil is highly toxic if swallowed, and moderately toxic if inhaled or absorbed through the skin. It is minimally irritating to the eyes and skin. Endosulfan is a central nervous system stimulant, absorbable through oral, inhalation or dermal routes. It may cause convulsions. Central nervous system stimulation can be controlled with diazepam (i.v.) or barbituric acid derivatives. Epinephrine is contraindicated due to cardiac muscle stimulation. This product contains light aromatic hydrocarbons that can produce a severe pneumonitis or fatal pulmonary edema if aspirated. Consideration should be given to gastric lavage with an endotracheal tube in place. Treatment is otherwise controlled removal of exposure followed by symptomatic and supportive care.

5. Fire Fighting Measures

Flash Point : 40°C (103°F) (CC)

Extinguishing Media : Foam, CO₂ or dry chemical. Soft stream water fog only if necessary. Contain all runoff.

Degree of Fire/Explosion Hazard : Moderately combustible. When heated above the flash point, this material released vapors which, when mixed with air, can burn or be explosive.

Special Fire Fighting Procedures : Isolate fire area. Evacuate downwind. Wear full protective clothing and self-contained breathing apparatus. Do not breathe smoke, gases or vapor generated.

Hazardous Decomposition Products : Sulfur dioxide, hydrogen chloride, carbon dioxide, carbon monoxide and hydrochloric acid.

6. Accidental Release Measures

Isolate and post spill area. Wear protective clothing and personal protective equipment as prescribed in Section 8, "Exposure Controls/Personal Protection". Keep unprotected persons and animals out of the area.

Keep material out of streams and sewers. Dike to confine spill and absorb with an absorbent such as clay, sand or soil. Vacuum, shovel or pump waste into a drum and label contents.

To clean spill area, tools and equipment, wash with a suitable solution of soap and water. Follow this with a neutralization step of washing with bleach. Add both solutions to the drums of waste already collected. Dispose of drummed waste according to the method outlined in Section 13, "Disposal Considerations".

7. Handling and Storage

Store in a cool, dry, well-ventilated place. Do not use or store near heat, open flame or hot surfaces. Store in original containers only. Keep out of reach of children and animals. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.

8. Exposure Controls/Personal Protection

Personal protective recommendations for mixing or applying this product are prescribed on the product label. Information stated below provides useful, additional guidance for individuals whose use or handling of this product is not guided by the product label.

Ventilation : Use local exhaust at all process locations where vapor or mist may be emitted. Ventilate all transport vehicles prior to unloading.

Work Clothing : Depending upon concentrations encountered, wear coveralls or long-sleeved uniform and head covering. For larger exposures as in the case of spills, wear full body cover barrier suit, such as a rubber rain suit. Leather items - such as shoes, belts and watchbands - that become contaminated should be removed and destroyed. Launder all work clothing before reuse (separately from household laundry).

Eye Protection : For splash, mist or spray exposure, wear chemical protective goggles or a face shield.

Respiratory Prot. : For splash, mist or spray exposure wear, as a minimum, a properly fitted half-face or full-face air-purifying respirator which is approved for pesticides (U.S. NIOSH/MSHA, EEC CEN or comparable certification organization). Respirator use and selection must be based on airborne concentrations.

13. Disposal Considerations

Open dumping or burning of this pesticide or its packaging is prohibited. An acceptable method of disposal is to incinerate in accordance with local, state and national environmental laws, rules, standards and regulations. However, because acceptable methods of disposal may vary by location, and regulatory requirements may change, the appropriate regulatory agencies should be contacted prior to disposal.

Non-returnable containers which held this material should be cleaned, prior to disposal, by triple-rinsing. Containers which held this material may be cleaned by being triple-rinsed, and recycled, with the rinseate being incinerated. Do not cut or weld metal containers. Vapors that form may create an explosion hazard.

14. Transportation Information

U.S. DOT : Organochlorine pesticides, liquid, toxic, flammable, n.o.s. (endosulfan 23.1%, contains xylene), 6.1, UN2995, PG II, RQ (endosulfan). ERG Guide 28. Insecticides, NOI, Poison other than Class A Poison. NMFC Item 102100. Thiodan® Cottonseed Oil.

UN (IMO) : Organochlorine pesticides, liquid, toxic, flammable, n.o.s. (endosulfan 23.1%, contains xylene), Class 6.1, UN2995, II, MARINE POLLUTANT. ERG Guide 28. Insecticides, NOI. Thiodan® Cottonseed Oil.

MARPOL Designation : Severe Marine Pollutant

15. Regulatory Information

Australian Hazard Code : 3XE

U.S. CERCLA Reportable Quantity (RQ) : This product contains the following ingredients listed in 40 CFR Table 302.4.

	Percentage by weight	Final RQ (lb.)
endosulfan	23.1	1
xylene, mixed isomers	< 4.2	1,000
ethylbenzene	< 0.6	1,000

U.S. EPA Signal Word : DANGER-POISON

U.S. SARA Title III

- Section 302 Extremely Hazardous Substances (40 CFR 355) : Endosulfan
- Section 302.4 Reportable Quantity (RQ) (40 CFR 355) : 1 lb. (endosulfan)
- Section 311 Hazard Categories (40 CFR 370) : Immediate, Delayed, Fire
- Section 312 Threshold Planning Quantity (40 CFR 370) : The threshold planning quantity (TPQ) for this product, if treated as a mixture, is 10,000 lb. This product contains the following ingredients with a TPQ of less than 10,000 lb.: endosulfan (10 lb.).
- Section 313 (40 CFR 372) : This product contains the following ingredients subject to Section 313 reporting requirements: 1,2,4-trimethylbenzene (<5.3%), and xylene, mixed isomers (<4.2%).

MSDS for: VYDATE L

VYDATE L
INSECTICIDE/NEMATOCIDE

MATERIAL SAFETY DATA SHEET

MATERIAL IDENTIFICATION NUMBER: M0000057
GRADE: A 24% formulation
CAS NAME: See Additional Information Section

MANUFACTURER/DISTRIBUTOR
E.I. DU PONT DE NEMOURS & CO., INC.
1007 Market Street
Wilmington, DE 19898

PRODUCT INFORMATION PHONE: 1-(800)441-7515
TRANSPORTATION EMERGENCY PHONE: 1-(800)424-9300
MEDICAL EMERGENCY PHONE: 1-(800)441-3637

COMPONENTS

Material	CAS Number	%
Oxamyl	23135-22-0	24
Inert Ingredients		76
(Includes percentages of the following:)		
*Methyl alcohol	67-56-1	35-45

*Regulated as a toxic chemical under section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1980 and 40 CFR part 372.

PHYSICAL DATA

Solubility in Water: Soluble
Odor: Slightly sulfurous
Form: Liquid
Color: Green
Density: 0.97-0.98 g/cc

HAZARDOUS REACTIVITY

Instability: Stable at normal temperatures and storage conditions.
Incompatibility: Incompatible with strong acids or bases (slowly hydrolyzes).
Decomposition: Decomposition will not occur.
Polymerization: Polymerization will not occur.

FIRE AND EXPLOSION DATA

Flash Point: 23 deg C (74 deg F)
Method: Closed Cup. May be ignited by heat, sparks, or open flame.

FIRE AND EXPLOSION HAZARDS

Flammable liquid. Vapor forms explosive mixture with air. Heating can release vapors which can be ignited.

MSDS for: VYDATE L

impairment were noted at 150 ppm. No compound-related histopathological changes were seen at any level tested.

REPRODUCTION (rat): In a 3-generation, 6-litter feeding study, the no-observable-effect-level was 50 ppm. No abnormalities in reproduction or lactation performance were observed although mean weaning body weights were decreased at 100 and 150 ppm.

TERATOGENICITY STUDY: In rats, oxamyl was neither teratogenic nor embryotoxic at levels up to 300 ppm in the diet (highest level tested). In rabbits, no teratogenic effects were observed at levels up to 4 mg per kg of body weight per day (highest level tested), roughly equivalent to 130 ppm in the diet. Embryotoxic effects were produced at 4 mg/kg/day. The overall NOEL was 1 mg/kg/day.

MUTAGENICITY STUDIES: Not mutagenic in any of the following tests: Ames Test; CHO Point Mutation Assay; In Vitro Cytogenetic Assay; DNA Liver Repair Assay; Unscheduled DNA Synthesis; Rec-Assay Reverse Mutation; Host-mediated Assay.

SUPPLEMENTAL INFORMATION

METHANOL: Toxic effects that may result from excessive exposure to methanol include visual disturbances or blindness, narcosis and other CNS effects, liver effects, and acidosis. Individuals with preexisting diseases of the retina or liver may have increased susceptibility to methanol toxicity.

CARCINOGENICITY

None of the components in this chemical is listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

EXPOSURE LIMITS FOR 'VYDATE' L INSECTICIDE/NEMATICIDE

TLV* (ACGIH): None established

PEL (OSHA): None established

*TLV is a registered trademark.

OTHER APPLICABLE EXPOSURE LIMITS:

Oxamyl: AEL (DuPont) 0.5 mg/m³ (8 hr TWA) 1.0 mg/m³ (15 min. TWA)
Methanol: AEL (DuPont) 200 ppm (8 & 12 hr. TWA); skin TLV (ACGIH)
200 ppm, 260 mg/m³; STEL 250 ppm, 310 mg/m³; skin PEL (OSHA)
200 ppm, 260 mg/m³

SAFETY PRECAUTIONS

Do not breathe vapor or mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Wash clothing after use.

FIRST AID

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

MSDS for: VYDATE L

Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

SHIPPING INFORMATION

DOT

Proper Shipping Name: Flammable Liquid, Poisonous, N.O.S. (24% oxamyl in methanol)

Hazard Class: Flammable Liquid and Poison B

UN/NA No.: UN 1992

DOT/IMO

Proper Shipping Name: Pesticides, Liquid, Toxic, Flammable, N.O.S. (24% oxamyl in methanol)

Hazard Class: 6.1

UN No.: UN 2903

DOT/IMO Label: Poison

Special Information: Flashpoint 23 deg C.

STORAGE CONDITIONS

Store in well ventilated area. Keep container tightly closed. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. Do not subject product to temperatures below 32 deg F.

TITLE III HAZARD CLASSIFICATION

Acute: Yes

Chronic: No

Fire: Yes

Reactivity: No

Pressure: No

ADDITIONAL INFORMATION AND REFERENCES

CAS NAME: [Methyl N'N'-dimethyl-N-[(methylcarbonyl)oxy]-1-thiooxamimidate]

RESTRICTED USE PESTICIDE: For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

DATE OF LATEST REVISION: 89/01/24

RESPONSIBILITY FOR MSDS: Registration & Regulatory Aff.
Agricultural Products Dept. Wilmington, DE 19898

THE DATA IN THIS MATERIAL SAFETY DATA SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PROCESS

H-04994

REVISION DATE: 1/89

Copyright 1989 by C & P Press, 10/89

M0000061 "Lannate" L Insecticide
Revised 18-NOV-1995 Printed 13-MAR-1996

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

"Lannate" is a registered trademark of DuPont.

Corporate MSDS Number : DU003804

Company Identification

MANUFACTURER/DISTRIBUTOR

DuPont
1007 Market Street
Wilmington, DE 19898

PHONE NUMBERS

Product Information : 1-800-441-7515
Transport Emergency : CHEMTREC 1-800-424-9300
Medical Emergency : 1-800-441-3637

COMPOSITION/INFORMATION ON INGREDIENTS

Components

<u>Material</u>	<u>CAS Number</u>	<u>%</u>
METHOMYL (S-METHYL-N- [(METHYLCARBAMOYL) OXY] THIO- ACETIMIDATE)	16752-77-5	24
INERT INGREDIENTS (INCLUDES PERCENTAGES OF THE FOLLOWING:)		76
*METHANOL	67-56-1	60-70

* Disclosure as a toxic chemical is required under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

HAZARDS IDENTIFICATION

Potential Health Effects

DANGER! POISON! CONTAINS METHANOL. Fatal if swallowed. May cause blindness if swallowed. May be fatal if inhaled or absorbed through eyes. Causes irreversible eye damage.

WARNING SYMPTOMS

Methomyl poisoning produces effects associated with anticholinesterase activity which may include weakness,

(HAZARDS IDENTIFICATION - Continued)

blurred vision, headache, nausea, abdominal cramps, discomfort in the chest, constriction of pupils, sweating, slow pulse, muscle tremors.

ANIMAL DATA:

Acute Oral LD50: (fasted rats) 83 mg/kg (males), 88 mg/kg (females). Moderately toxic by ingestion.

Acute Dermal LD50: (male rabbits), > 5880 mg/kg (intact skin). Slightly to moderately toxic by contact.

INHALATION - 1 hour LC50: 0.68 mg/L. Highly toxic by inhalation.

SKIN IRRITATION AND SENSITIZATION

(Guinea pigs): Application to shaved skin as a 24% formulation did not cause irritation or sensitization.

EYE IRRITATION

(Rabbits): Both unformulated methomyl and various formulations caused pupillary constriction and other effects associated with anticholinesterase activity. In addition, 0.1 ml of undiluted 24% liquid formulation caused moderate but penetrating corneal injury which was receding after 14 days. Excessive quantities of the unformulated powder were lethal via ocular exposure. This exposure was within the equivalent range that produced mortalities via oral administration.

CHRONIC STUDIES - METHOMYL

2-year feeding in rats: Feeding levels 0, 50, 100, 200, and 400 ppm; no effect level (NOEL) of 100 ppm based on slight hemolytic anemia and/or body weight effects observed at the higher dietary concentrations. No compound related neoplastic lesions were observed.

2-year feeding in mice; Feeding levels 0, 50, 75, and 200 ppm; no compound related neoplastic or non-neoplastic histologic effects were found at any level. The NOEL was considered to be 50 ppm based on transient hemolytic anemia and increased mortality at the higher dietary concentrations.

2-year feeding in dogs: Feeding levels 0, 50, 100, 400, and 1,000 ppm. The NOEL of 100 ppm was based on hemolytic anemia and non-neoplastic changes within the kidney and spleen at the higher dietary concentrations. There were no neoplastic effects at any dose.

REPRODUCTION

(HAZARDS IDENTIFICATION - Continued)

Three-generation rat reproduction study at dietary rates of 50 and 100 ppm showed no adverse effect upon fertility, and no compound related histologic effect. A 2-generation rat study conducted at 75, 600, and 1,200 ppm in the diet showed similar results.

TERATOGENICITY

In rats, no embryotoxic or teratogenic effects were observed at levels up to 400 ppm (highest level fed). In rabbits, the highest dietary dose level (equivalent to 100 mg/kg body wt.) did not cause any observed compound related abnormalities.

MUTAGENICITY

Methomyl was negative in numerous assays to evaluate mutagenicity and genotoxicity, including Ames test, Reverse Mutation Assay, Recessive Lethal Assay, three DNA damage studies, an unscheduled DNA Synthesis Assay, and in vitro and in vivo cygenetic assays.

ACCEPTABLE DAILY INTAKE

Based on the 10 ppm no-observable effect level of the 2-year dog feeding study, and utilizing a 100 fold safety factor, the U.S. EPA has established an Acceptable Daily Intake of 0.025 mg per kilogram of body weight per day.

METHANOL

Toxic effects that may result from excessive exposure to methanol include visual disturbances or blindness, narcosis and other CNS effects, liver effects, and acidosis.

Individuals with preexisting diseases of the retina or liver may have increased susceptibility to methanol toxicity.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

FIRST AID MEASURES
-----**First Aid**

IF SWALLOWED: Call a physician or poison control center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

(FIRST AID MEASURES - Continued)

IF INHALED: Remove from exposure and have patient lie down and keep quiet. If patient is not breathing, start artificial respiration immediately. Never give anything by mouth to an unconscious person. Call a physician if necessary.

IN CASE OF CONTACT: Wash skin with plenty of water; for eyes, flush with water for 15 minutes and get medical attention; remove and wash contaminated clothing before re-use.

Notes to Physicians

This Product is an N-Methyl Carbamate insecticide.

Atropine sulfate should be used for treatment. Administer repeated doses, 1.2 to 2.0 mg. intravenously every 10 to 30 minutes until full atropinization is achieved. Maintain atropinization until the patient recovers. Artificial respiration or oxygen may be necessary. Allow no further exposure to any cholinesterase inhibitor until recovery is assured.

Do not use 2-PAM for exposure to "Lannate" L alone. However, for exposure to combinations of "Lannate" L and organophosphorus insecticides, 2-PAM may be used as required to supplement the atropine sulfate treatment. Do not use morphine.

FIRE FIGHTING MEASURES

Flammable Properties

Flash Point	: 14 C (57 F)
Method	: Closed Cup
Flammable limits in Air, % by Volume	
LEL	: 6.7 (methanol)
UEL	: 36 (methanol)

Flammable liquid. Vapor forms explosive mixture with air. Heating can release vapors which can be ignited.

Fire and Explosion Hazards:

Hazardous gases produced in a fire under conditions that produce incomplete combustion may consist of SO₂, NO₂, CO₂, CH₃NCO, HCN, CO, CS₂. When combusted at higher temperatures with sufficient oxygen, the following are greatly reduced: CS₂, CO, HCN, and CH₃NCO.

Extinguishing Media

Water Spray, Foam, Dry Chemical, CO₂.

(FIRE FIGHTING MEASURES - Continued)

Halon.

Fire Fighting Instructions

Evacuate personnel to a safe area. Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus. Wear full protective equipment. Shut off source of fuel, if possible and without risk. Use water spray. Cool tank/container with water spray. Fight fire from maximum distance, use extreme caution as heat may decompose material and rupture containers.

If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Initial Containment

Remove source of heat, sparks, flame, impact, friction or electricity. Dike spill. Prevent material from entering sewers, waterways, or low areas.

Spill Clean Up

Soak up with sawdust, sand, oil dry or other absorbent material. Shovel or sweep up.

Accidental Release Measures

If product enters crevices and can not be removed, treat with a sodium hydroxide solution and allow to stand 4 hours.
NOTE: Sodium hydroxide is caustic and causes burns. Do not get in eyes, on skin or clothing.

HANDLING AND STORAGE

Handling (Personnel)

Do not breathe vapor or mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Wash clothing after use. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

(HANDLING AND STORAGE - Continued)

USERS SHOULD: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Handling (Physical Aspects)

Keep away from heat, sparks and flames.

Storage

Do not subject to temperatures below 32 deg F. Store product in original container only. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Not for use or storage in or around the home.

EXPOSURE CONTROLS/PERSONAL PROTECTION
-----**Engineering Controls**

Use only with adequate ventilation. Keep container tightly closed.

Personal Protective Equipment

Always follow label instructions when handling this product.

Applicators and other handlers must wear:

Long-sleeved shirt and long pants.

Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or polyvinyl chloride or viton or neoprene rubber.

Shoes plus socks.

Protective eyewear

For exposures in enclosed areas, a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

For exposure outdoors, dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that

(EXPOSURE CONTROLS/PERSONAL PROTECTION - Continued)

involves contact with anything that has been treated, such as plants, soil, or water, is:

Coveralls

Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or polyvinyl chloride or viton or neoprene rubber.

Shoes plus socks

Protective eyewear

Exposure Guidelines

Applicable Exposure Limits

METHOMYL

PEL (OSHA) : None Established
 TLV (ACGIH) : 2.5 mg/m³, 8 Hr. TWA
 Notice of Intended Changes (1995-1996)
 A4
 AEL * (DuPont) : None Established

METHANOL

PEL (OSHA) : 200 ppm, 260 mg/m³, 8 Hr. TWA
 TLV (ACGIH) : 200 ppm, 262 mg/m³, 8 Hr. TWA, Skin
 STEL 250 ppm, 328 mg/m³, Skin
 AEL * (DuPont) : 200 ppm, 8 & 12 Hr. TWA, Skin

* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Boiling Point : 62 C (144 F)
 Vapor Pressure : 176 mm Hg @ 25 C (77 F)
 Solubility in Water : Soluble
 Odor : Aromatic
 Form : Liquid
 Color : Amber
 Specific Gravity : 0.892 @ 25C (77F)

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Incompatibility with Other Materials

None reasonably foreseeable.

(STABILITY AND REACTIVITY - Continued)

Decomposition

Decomposes with heat.

Hazardous gases/vapors produced are toxic and/or noxious. They may include sulfur oxides, methylisocyanate and HCN.

Polymerization

Polymerization will not occur.

ECOLOGICAL INFORMATION
-----**Ecotoxicological Information****Aquatic Toxicity**

Methomyl is extremely toxic:

96 hour LC50, bluegill sunfish:	0.72 ppm
96 hour LC50, rainbow trout:	3.4 ppm

DISPOSAL CONSIDERATIONS
-----**Waste Disposal**

Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Do not flush to surface water or sanitary sewer system.

DISPOSAL: Do not contaminate water, food, or feed by disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent) the container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by State or Local authorities, by burning. If burned, stay out of smoke.

TRANSPORTATION INFORMATION

Shipping Information

DOT/IMO
Proper Shipping Name : CARBAMATE PESTICIDE, LIQUID, FLAMMABLE,
TOXIC (methanol, methomyl)
Hazard Class : 3
UN No. : UN 2758
Special Information : Marine Pollutant (water or bulk)
Flash Point: 14 deg C (57.2 deg F)
Subsidiary Hazard Class : 6.1
Packing Group : II

REGULATORY INFORMATION

U.S. Federal Regulations

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

Acute : Yes
Chronic : No
Fire : Yes
Reactivity : No
Pressure : No

ADDITIONAL REGULATORY INFORMATION

Section 302 Extremely Hazardous Substance:
Methomyl - Threshold Planning Quantity (TPQ)
(500/10,000 lbs)

SARA/CERCLA Reportable Quantity:
Methomyl (100 lbs)
Methanol (5000 lbs)

REGULATORY CONTROLS:

This product is registered under EPA/FIFRA regulations. It is a violation of Federal Laws to use this product in any manner inconsistent with its labeling. Read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA.

EPA Reg. No. 352-370

OTHER INFORMATION

NFPA, NPCA-HMIS

NFPA Rating
Health : 2
Flammability : 3
Reactivity : 0

NPCA-HMIS Rating
Health : 3
Flammability : 3
Reactivity : 0

Personal Protection rating to be supplied by user depending on use conditions.

Additional Information

RESTRICTED USE PESTICIDE

Due to High Acute Toxicity to Humans

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment.

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Responsibility for MSDS : DuPont
Address : Agricultural Products
Wilmington DE 19898
Telephone : 800-441-7515

Indicates updated section.

End of MSDS

M A T E R I A S A F E T Y D A T A S H E E T

RHONE-POULENC AG COMPANY

P.O. Box 12014, T.W. Alexander Drive, Research Triangle Park, NC 27709
 24-HOUR EMERGENCY TELEPHONE 1-800-334-7577 OR CHEMTREC 1-800-424-9300

Effective Date: SEP 29, 1989
 Supercedes: JAN 25, 1988

Date Printed: FEB 10, 1992

PRODUCT CODES: F86756

EPA Registration Number: 264-453

Page: 1 of 7 R

PRODUCT NAME: ROVRAL(R) brand FUNGICIDE

I. IDENTIFICATION

CHEMICAL NAME: Iprodione: 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-
 2,4-dioxo-1-imidazolidinecarboxamide

FORMULA: C13H13Cl2N3O3 MOLECULAR WEIGHT: 330.16

SYNONYMS: glycophene, promidione, iprodione, RP 26019

CAS # & NAME: 36734-19-7 1-Imidazolidinecarboxamide, 3-(3,5-dichlorophenyl)-
 -N-(methylethyl)-2,4-dioxo-

IMPORTANT HEALTH EFFECT INFORMATION

CAUTION

HARMFUL IF SWALLOWED.
 HARMFUL IF ABSORBED THROUGH THE SKIN.
 HARMFUL IF INHALED.

NATIONAL FIRE PROTECTION ASSOCIATION RATING
 HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

KEY = NFPA/HMIS	NFPA	HMIS
4=Extreme/ Severe 3=High/ Serious 2=Moderate 1=Slight 0=Minimum	Health	
	2	2
	Fire	
	1	1
	Reactivity	
	1	1

A

SARA TITLE III HAZARD CLASSIFICATION

Immediate (acute) Health	YES
Delayed (chronic) Health	YES
Fire	NO
Sudden Release of Pressure	NO
Reactive	NO

R

(continued on page 2)

M A T E R I A S A F E T Y D A T A S H E E T

RHONE-POULENC AG COMPANY

P.O. Box 12014, T.W. Alexander Drive, Research Triangle Park, NC 27709
 24-HOUR EMERGENCY TELEPHONE 1-800-334-7577 OR CHEMTREC 1-800-424-9300

Effective Date: SEP 29, 1989

Date Printed: FEB 10, 1992

Page: 2 of 7

PRODUCT NAME: ROVRAL(R) brand FUNGICIDE

II. HAZARDOUS INGREDIENTS

MATERIAL	CAS #	WEIGHT %	
(1) Iprodione	36734-19-7	50.0	
(2) Other ingredients (Trade Secret) containing crystalline silica as quartz	14808-60-7	4.1	R

EXPOSURE LIMITS:

Crystalline silica: 0.1 mg/cubic meter respirable dust, ACGIH & OSHA R

III. PHYSICAL DATA

BULK DENSITY: 17.6 lbs/cu ft
 BOILING POINT, 760 mm Hg, Degrees C (F): Not applicable
 MELTING POINT, Degrees C (F): Not applicable
 FREEZING POINT, Degrees C (F): Not applicable
 VAPOR PRESSURE, 20 Degrees C: < 0.00001
 VAPOR DENSITY (air=1): Not applicable
 pH: Not applicable
 SOLUBILITY IN WATER, %/wt @ 20 Degrees C: 13 mg/l (iprodione)
 APPEARANCE AND ODOR: Cream to colorless powder; odorless

IV. HEALTH HAZARD DATA

TOXICOLOGY DATA:

Oral LD50 (rats): >5000 mg/kg body weight
 Dermal LD50 (rabbits): >2000 mg/kg body weight
 Inhalation LC50 (rats - 4 Hour Exposure): >1.96 mg/L
 Skin Effects (rabbits): Moderate irritation
 Eye Effects (rabbits): Moderate irritation

CARCINOGENICITY, TERATOGENICITY, MUTAGENICITY:

In laboratory studies, the active ingredient, iprodione, was not carcinogenic, teratogenic or mutagenic.
 This product contains clay. A naturally occurring component of clay A is crystalline silica (eg. quartz is one form of crystalline silica). Inhalation of crystalline silica may cause pulmonary fibrosis (silicosis). The International Agency for Research on Cancer (IARC) has classified crystalline silica as a probable human carcinogen (Group 2A).

(continued on page 3)

RHONE-POULENC AG COMPANY

P.O. Box 12014, T.W. Alexander Drive, Research Triangle Park, NC 27709
24-HOUR EMERGENCY TELEPHONE 1-800-334-7577 OR CHEMTREC 1-800-424-9300

Effective Date: SEP 29, 1989

Date Printed: FEB 10, 1992
Page: 3 of 7

PRODUCT NAME: ROVRAL(R) brand FUNGICIDE

IV. HEALTH HAZARD DATA (continued)

EFFECTS OF SINGLE OVEREXPOSURE:

Swallowing:

Harmful if swallowed. (See TOXICOLOGY DATA)
Nonspecific signs of intoxication were observed in laboratory animals and included ataxia and prostration.

Skin Absorption:

May be harmful if absorbed through skin.
No evidence of adverse effects from available information.

Inhalation:

Harmful if inhaled.
May be irritating to the respiratory tract.

Skin Irritation:

Causes skin irritation, seen as redness and swelling.
(See TOXICOLOGY DATA)

Eye Contact:

Causes eye irritation, seen as tearing and redness.
(See TOXICOLOGY DATA)
Dusts may be irritating to the eyes.

EFFECTS OF REPEATED OVEREXPOSURE:

Repeated overexposure may lead to signs and symptoms as described above for single overexposure being more pronounced.
Chronic inhalation exposure to crystalline silica may cause pulmonary fibrosis (silicosis). A

OTHER EFFECTS OF OVEREXPOSURE:

No evidence of additional adverse effects from available information.

EXISTING MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE:

Skin irritation may be aggravated in persons with existing skin lesions.
Breathing of vapor, dust or sprays (mists) may aggravate acute or chronic asthma and other chronic pulmonary disease.

(continued on page 4)

RHONE-POULENC AG COMPANY

P.O. Box 12014, T.W. Alexander Drive, Research Triangle Park, NC 27709
24-HOUR EMERGENCY TELEPHONE 1-800-334-7577 OR CHEMTREC 1-800-424-9300

Effective Date: SEP 29, 1989

Date Printed: FEB 10, 1992

Page: 4 of 7

PRODUCT NAME: ROVRAL(R) brand FUNGICIDE

IV. HEALTH HAZARD DATA (continued)

EMERGENCY AND FIRST AID PROCEDURES:

Remove the patient from immediate source of exposure and assure that the individual is breathing. Use artificial respiration if necessary, to assure continued breathing. GET MEDICAL ATTENTION.

Swallowing:

If patient is conscious and alert, give 2-3 glasses of water or milk to drink. Give one tablespoon of Syrup of Ipecac to induce vomiting. If vomiting has not occurred in 20 minutes, the same dose of Syrup of Ipecac may be repeated one additional time. Alternatively, induce vomiting by touching back of throat with finger. Do not make an unconscious person vomit. GET MEDICAL ATTENTION.

Skin:

Immediately wash skin with plenty of soap and water, if available, while removing contaminated clothing and shoes. Wash clothing separately before reuse.

Inhalation:

Remove victim to fresh air. If not breathing, give artificial respiration. Administer oxygen if necessary. GET MEDICAL ATTENTION.

Eyes:

Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. GET MEDICAL ATTENTION.

NOTES TO PHYSICIAN:

No specific antidote is available.

Treat symptomatically. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

(continued on page 5)

M A T E R I A S A F E T Y D A T A S H E E T

RHONE-POULENC AG COMPANY

P.O. Box 12014, T.W. Alexander Drive, Research Triangle Park, NC 27709
24-HOUR EMERGENCY TELEPHONE 1-800-334-7577 OR CHEMTREC 1-800-424-9300

Effective Date: SEP 29, 1989

Date Printed: FEB 10, 1992
Page: 5 of 7

PRODUCT NAME: ROVRAL(R) brand FUNGICIDE

V. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT Degrees C (F): Noncombustible

EXPLOSIVE LIMITS IN AIR (ounces/cubic foot):

Lower: None

Upper: None

AUTOIGNITION TEMPERATURE Degrees C (F): None

EXTINGUISHING MEDIA: Not combustibile. Use appropriate extinguishing media for material that is supplying fuel.

SPECIAL FIRE FIGHTING PROCEDURES: Wear protective clothing and use self-contained breathing apparatus. Dike area to prevent runoff and contamination of water sources.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Thermal decomposition products may be hazardous. These may include carbon oxides, nitrogen oxides, sulfur oxides and hydrogen chloride.

VI. REACTIVITY DATA

STABILITY:

Stable

CONDITIONS TO AVOID:

None known

MATERIALS TO AVOID:

Mineral acids, strong bases, oxidizers, acids.

HAZARDOUS DECOMPOSITION PRODUCTS:

Decomposition products may be hazardous. These may include carbon oxides, nitrogen oxides, sulfur oxides and hydrogen chloride.

HAZARDOUS POLYMERIZATION:

Will not occur.

(continued on page 6)

M A T E R I A L S A F E T Y D A T A S H E E T

RHONE-POULENC AG COMPANY

P.O. Box 12014, T.W. Alexander Drive, Research Triangle Park, NC 27709
24-HOUR EMERGENCY TELEPHONE 1-800-334-7577 OR CHEMTREC 1-800-424-9300

Effective Date: SEP 29, 1989

Date Printed: FEB 10, 1992

Page: 6 of 7

PRODUCT NAME: ROVRAL(R) brand FUNGICIDE

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

To the extent possible, clean up spillage using shovels. Carefully scoop up loose material and place it in appropriate containers so as to avoid dust generation. Stand upwind if possible.

Residual spillage that cannot be removed by shovelling should be cleaned from hard surfaces as appropriate.

If spilled on the ground, the affected area should be scraped clean and placed in an appropriate container for disposal.

Do not flush material to public sewer systems or any waterways.

Wear appropriate protective clothing and equipment (see below) during cleanup activities.

Ensure adequate decontamination of tools and equipment following cleanup.

WASTE DISPOSAL METHOD:

Dispose of in accordance with local, state and federal regulations.

R

VIII. SPECIAL PROTECTION INFORMATION

PROTECTIVE EQUIPMENT SHOULD BE USED DURING THE FOLLOWING PROCEDURES:

- Manufacture or formulation of this product
- Repair and maintenance of contaminated equipment
- Clean-up of leaks and spills

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirator for pesticide dust when handling spills or leaks, or when airborne concentrations exceed exposure limits.

VENTILATION: Local exhaust ventilation, when necessary to control level of airborne particles below recommended limits.

PROTECTIVE GLOVES: Chemical-resistant gloves.

EYE PROTECTION: Safety glasses.

OTHER PROTECTIVE EQUIPMENT: Protective clothing.

(continued on page 7)

M A T E R I A S A F E T Y D A T A S H E E T

RHONE-POULENC AG COMPANY

P.O. Box 12014, T.W. Alexander Drive, Research Triangle Park, NC 27709
24-HOUR EMERGENCY TELEPHONE 1-800-334-7577 OR CHEMTREC 1-800-424-9300

Effective Date: SEP 29, 1989

Date Printed: FEB 10, 1992
Page: 7 of 7

PRODUCT NAME: ROVRAL(R) brand FUNGICIDE

IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Do not swallow. Do not breathe dusts or sprays (mists). Avoid getting in eyes, on skin or on clothing.

Do not store near food, feedstuffs, fertilizers, or seed.
Do not contaminate water, food, or feed by storage or disposal.

X. REGULATORY STATUS

A

EPA Registration No.: 264-453
RCRA Hazardous Waste: Not listed
SARA Title III
Section 302 Extremely Hazardous Substance List: Not listed
Section 313 Toxic Chemicals: Not listed
Reportable Quantity (RQ), under U.S. EPA CERCLA: Not listed

California Proposition 65:

WARNING: This product contains crystalline silica, a substance known to the state of California to cause cancer.

Massachusetts Right-to-Know:

Crystalline silica is on the Massachusetts Substance List.

The information herein is given in good faith but no warranty, expressed or implied, is made.

ROVRAL is a registered trademark of Rhone-Poulenc.

A in right margin indicates additional information since last revision.
R in right margin indicates a revision.

(Last Page)

FILE COPY

INTAKE SHEET FOR REQUEST FOR ACCESS TO PUBLIC RECORDS

DATE: March 29, 1999

NAME: Thad Hopper

TELEPHONE #: 352-7020

COMPANY: Malcolm Pirnie

ADDRESS: 6360 I55 N Suite 250
Jackson MS 39211-2038

FILES BEING REVIEWED

1. FACILITY: Red Panther
COUNTY: Coahoma DIVISION: Uncontrolled/CERCLA -
EPCD - RCRA
2. FACILITY: Emergency Response
COUNTY: Coahoma DIVISION: HW
3. FACILITY:
COUNTY: DIVISION:
4. FACILITY:
COUNTY: DIVISION:
5. FACILITY:
COUNTY: DIVISION:

APPOINTMENT DATE AND TIME: March 31, 1999 @ 9:00 a.m.

*****THIS IS NOT A BILL, INVOICE WILL FOLLOW WITHIN 10 DAYS*****

BILLING INFORMATION

NO. OF COPIES MADE: @ \$.25 =

NOTE: NO CHARGE FOR LESS THAN 50 COPIES

DISKETTE:

TOTAL AMOUNT DUE: \$

COMMENTS:

PUBLIC RECORDS ADMINISTRATOR:
BETTY SMITH

BILL ORGANIZATION:
PERSON REVIEWING FILES:



STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY
JAMES I. PALMER, JR.
EXECUTIVE DIRECTOR

February 28, 1997

Mr. David Coleman
Red Panther Chemical Company .
P. O. Box 55
Clarksdale, Mississippi 38614


Dear Mr. Coleman:

Re: RCRA Inspection

Enclosed please find our inspection report that was completed as a result of a Compliance Evaluation Inspection (CEI) at Red Panther Chemical Company, on February 25, 1997. This inspection revealed that the facility is in compliance with Mississippi Hazardous Waste Management Regulation (MHWMR).

If you have any questions, do not hesitate to contact me at (601) 961-5171.

Sincerely,


Mohammad Yassin

RCRA Inspection

1. Inspector and Author of Report
Mohammad Yassin
Mississippi Department of Environmental Quality (MSDEQ)
Office of Pollution Control (OPC)
2. Facility Information
Red Panther Chemical Company (RPCC)
P. O. Box 550
Clarksdale, Mississippi 38614
Coahoma County
3. Responsible Company Official
David Coleman - Supervisor
4. Inspection Participants
David Coleman - RPCC
Hilton Higginbothom - RPCC
Houston Gilliland - USEPA
Mohammad Yassin - MSDEQ
5. Date and Time of Inspection
February 25, 1997 - 10:15 AM
6. Applicable Regulation
Mississippi Hazardous Waste Management Regulation (MHWMR)
MHWMR 262
MHWMR 263
MHWMR 265
MHWMR 268
7. Purpose of Inspection
Ensure facility's compliance with MHWMR.
8. Facility Description
RPCC is located near Hwy 49, in Clarksdale, Coahoma county, Mississippi. It is approximately 8 acres in size of which 2.75 acres is buildings. Access to the facility is restricted by a 7-ft high fence and a gate. The facility used to be a herbicide/pesticide formulator and has been closed since the end of August 1996.
9. Findings
Based on a tour of the facility and a conversation with the inspection participants, it was determined that the facility is no longer in service, all production mechanical components have been disassembled and are for sale. Two tanks that used to hold hazardous wastes were

emptied cut to small pieces and sent to BFI's solid waste landfill in Greenville, Washington county, Mississippi. No hazardous waste was accumulated at the facility at the time of this inspection.

10. Conclusion

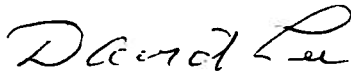
This inspection revealed that the facility is in compliance with MHWMR. It is designated as a large quantity generator for the year 1997. Since no waste is expected to be generated at the facility, it is recommended that the classification for this facility be changed to a non-generator. The last compliance evaluation inspection was conducted on August 29, 1997 by Richard Harrell of MSDEQ.

11. Prepared and Signed By



Mohammad Yassin
Environmental Engineer, PE

12. Approved By



David Lee
RCRA Coordinator



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4
ATLANTA FEDERAL CENTER
100 ALABAMA STREET, S.W.
ATLANTA, GEORGIA 30303-3104

April 15, 1997

RECEIVED
APR 21 1997
Dept. of Environmental Quality
Office of Pollution Control

4WD-RCRA

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. David Coleman
Red Panther Chemical Company
P.O. Box 550
Clarksdale, Mississippi 38614

SUBJ: RCRA Compliance Evaluation Inspection
EPA I.D. No. MSD 000 272 385


Dear Mr. Coleman:

On February 25, 1997, the United States Environmental Protection Agency (EPA), conducted a RCRA compliance evaluation inspection at your facility located in Clarksdale, Mississippi, in order to determine its compliance status with EPA.

Enclosed is the EPA RCRA Site Inspection Report which indicates that no violations of RCRA were discovered. A copy of this report has also been forwarded to Mississippi Department of Environmental Quality (MDEQ).

If you have any questions, please contact Houston Gilliland Jr., of my staff, at (404) 562-8617.

Sincerely yours,


Jeffrey T. Pallas, Chief
South Enforcement and Compliance
Section
Enforcement and Compliance Branch

Enclosure

cc: Mr. Jerry Banks, MDEQ w/enclosure

RCRA Inspection Report

- 1) Inspector and Author of Report
Houston Gilliland
Environmental Scientist
- 2) Facility Information
Red Panther Chemical Company (RP)
P.O. Box 550
Greenville, Mississippi 38701
(601) 627-4731
MSD 000 272 385
- 3) Responsible Official
David Coleman, Supervisor
- 4) Inspection Participants
Hilton Higginbotham, RP
David Coleman, Supervisor, RP
Mohammad Yasin, MDEQ
Houston Gilliland, US EPA Region 4
- 5) Date and Time of Inspection
February 25, 1997, 10:15 A.M.
- 6) Applicable Regulations
Title 40 Code of Federal Regulations (CFR) Parts 260 through 270.
Chapter 391-3-11 of the Mississippi Hazardous Waste Management Act, adopted and incorporated by reference Parts 260 - 266, 268, & 270.
- 7) Purpose of Inspection
To conduct an unannounced compliance evaluation inspection (CEI) and determine the facility's compliance with all applicable regulations.

8) Facility Description

RP's most recent Hazardous Waste Generator Notification (EPA Form 8700-12) characterized the facility as a Large Quantity Generator of hazardous waste. RP is a herbicide\pesticide formulator. The facility receives the chemicals in bulk form and mixes/repackages them into smaller sizes.

RP occupies approximately 8 acres. Access to the facility is restricted by a 7-ft high fence and a gate.

9) Findings

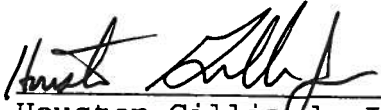
Following a presentation of credentials by EPA representatives, a brief discussion of the facility's management of hazardous waste generated within the facility was conducted.

The inspectors were informed by Mr. Higginbotham and Mr. Coleman that the facility has been closed and ceased hazardous waste generation as of August, 1996. RP is currently selling all product and mechanical equipment. Mr. Coleman informed the inspectors that two (2) six thousand (6,000) gallon storage tanks used to store process wash water, has been sent to BFI's solid waste landfill located in Greenville, Mississippi.

10) Conclusion

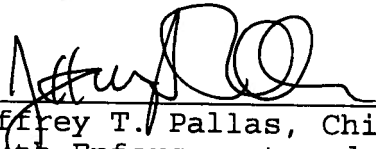
While conducting the CEI, no violations were observed.

11) Signed


Houston Gilliland, Jr.
Environmental Scientist

4/1/97
Date

12) Concurrence


Jeffrey T. Pallas, Chief
South Enforcement and Compliance
Section
Enforcement and Compliance Branch

4/1/97
Date

BEFORE THE MISSISSIPPI COMMISSION
ON ENVIRONMENTAL QUALITY

MISSISSIPPI COMMISSION ON
ENVIRONMENTAL QUALITY

ORDER NO. _____

COMPLAINANT

VS.

RED PANTHER CHEMICAL COMPANY
NORMANDY AND PATTON STREETS
CLARKSDALE, MISSISSIPPI
COAHOMA COUNTY
EPA ID # MSD 000 272 385

RESPONDENT

AGREED ORDER

COME NOW THE Mississippi Commission on Environmental Quality (Commission), Complainant, and Red Panther Chemical Company, Respondent, in the above captioned cause and agree as follows:

1.

On August 29, 1996, a Compliance Evaluation Inspection (CEI) was conducted by the Mississippi Department of Environmental Quality (DEQ) staff at the Red Panther Chemical facility in question. Respondent was contacted by Complainant and notified of the following violation(s):

1. MHWMR 268.7(a)(7): The generator must retain on-site for five years copy of all certifications, waste analysis, supporting data, manifests, and other documentation for waste subject to the land disposal restrictions. Generator was missing five copies of the "Land Ban Notifications" for their hazardous waste shipments.
2. MHWMR 262.34(a)(1)(i) and 265.174: The generator must inspect areas where containers are stored, at least weekly, looking for leaks and for deterioration caused by corrosion or other factors. Facility had no inspection log for the hazardous waste container storage area.

3. MHWMR 262.34(a)(4) and 265.35: The generator must maintain aisle space to allow for unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment. Adequate aisle space was not provided for between rows in the hazardous waste storage area to allow for container inspections or for emergency equipment.
4. MHWMR 262.34(a)(1)(ii) and 265.195: The owner or operator must inspect any hazardous waste storage tank and its ancillary equipment at least once each operating day. Facility had no documentation of such inspections.

2.

In lieu of a formal enforcement hearing concerning the violation(s) listed above, Complainant and Respondent agree to settle this matter as follows:

1. Complainant agrees to accept and Respondent agrees to pay a monetary penalty of \$ 1,500 to the Department of Environmental Quality on behalf of the Complainant as full and complete settlement thereof. Said sum is payable in full 30 days from receipt of this signed order.
2. Respondent further agrees to hereafter comply with the regulations referenced above.

3.

In the event Respondent fails to comply with any of the terms of this Agreed Order, the Agreed Order shall become fully enforceable through the appropriate chancery court. The Mississippi Department of Environmental Quality, acting on behalf of the Commission, may proceed in chancery court and may submit an affidavit to the chancery court, along with an appropriate complaint to enforce this Agreed Order of the Commission, and such affidavit shall be prima facie evidence upon which to obtain a final judgment against Respondent in favor of the Mississippi Commission on Environmental Quality.

4.

Nothing in this Agreed Order shall limit the rights of the Mississippi Department of Environmental Quality or the Mississippi Commission on Environmental Quality in the event

Respondent fails to comply with this Agreed Order. The Agreed Order shall be strictly construed to apply to those matters expressly resolved herein.

5.

Nothing contained in this Agreed Order shall limit the rights of Complainant to take enforcement or other actions against Respondent for violations not addressed herein and for future violations of environmental laws, rules, and regulations.

6.

Respondent understands and acknowledges that it is entitled to an evidentiary hearing before the Commission pursuant to Section 49-17-31 of the Mississippi Code Annotated (Supp. 1991), and that it has made an informed waiver of that right.

ORDERED, this the _____ day of _____, 1996.

MISSISSIPPI COMMISSION ON
ENVIRONMENTAL QUALITY

BY: _____
J. I. PALMER, JR.
EXECUTIVE DIRECTOR
MISSISSIPPI DEPARTMENT
OF ENVIRONMENTAL QUALITY

AGREED, this the _____ day of _____, 1996.

BY: _____

TITLE: _____

Mr. Richard Harrell



STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY
JAMES I. PALMER, JR.
EXECUTIVE DIRECTOR

March 26, 1997

CERTIFIED MAIL/RETURN RECEIPT REQUESTED

Mr. David Coleman
Red Panther Chemical Co.
Post Office Box 550
Clarksdale, Mississippi 38514-0550

Dear Mr. Coleman:

In order to settle certain environmental issues regarding the facility in Coahoma County, you have agreed to the conditions of Administrative Order No. 3416 97. A copy of the order is enclosed.

If you have any questions in this matter, please contact Richard Harrell at telephone #601-961-5171.

Sincerely,

Charles H. Chisolm

Charles H. Chisolm, Head
Office of Pollution Control

CHC:pl
Enclosure
cc: Mr. Richard Harrell ← This copy for

Z 732 424 389



Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to	
Mr. David Coleman	
Street and No.	
Red Panther Chemical Co.	
P.O., State and ZIP Code	
P. O. Box 550, Clarksdale 38514	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, March 1993

BEFORE THE MISSISSIPPI COMMISSION
ON ENVIRONMENTAL QUALITY

ORDER NO. 3416 97

MISSISSIPPI COMMISSION ON
ENVIRONMENTAL QUALITY

COMPLAINANT

VS.

RED PANTHER CHEMICAL COMPANY
NORMANDY AND PATTON STREETS
CLARKSDALE, MISSISSIPPI
COAHOMA COUNTY
EPA ID # MSD 000 272 385

RESPONDENT

AGREED ORDER

COME NOW THE Mississippi Commission on Environmental Quality (Commission), Complainant, and Red Panther Chemical Company, Respondent, in the above captioned cause and agree as follows:

1.

On August 29, 1996, a Compliance Evaluation Inspection (CEI) was conducted by the Mississippi Department of Environmental Quality (DEQ) staff at the Red Panther Chemical facility in question. Respondent was contacted by Complainant and notified of the following violation(s):

1. MHWMR 268.7(a)(7): The generator must retain on-site for five years copy of all certifications, waste analysis, supporting data, manifests, and other documentation for waste subject to the land disposal restrictions. Generator was missing five copies of the "Land Ban Notifications" for their hazardous waste shipments.
2. MHWMR 262.34(a)(1)(i) and 265.174: The generator must inspect areas where containers are stored, at least weekly, looking for leaks and for deterioration caused by corrosion or other factors. Facility had no inspection log for the hazardous waste container storage area.

3. MHWMR 262.34(a)(4) and 265.35: The generator must maintain aisle space to allow for unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment. Adequate aisle space was not provided for between rows in the hazardous waste storage area to allow for container inspections or for emergency equipment.
4. MHWMR 262.34(a)(1)(ii) and 265.195: The owner or operator must inspect any hazardous waste storage tank and its ancillary equipment at least once each operating day. Facility had no documentation of such inspections.

2.

In lieu of a formal enforcement hearing concerning the violation(s) listed above, Complainant and Respondent agree to settle this matter as follows:

1. Complainant agrees to accept and Respondent agrees to pay a monetary penalty of \$ 1,500 to the Department of Environmental Quality on behalf of the Complainant as full and complete settlement thereof. Said sum is payable in full 30 days from receipt of this signed order.
2. Respondent further agrees to hereafter comply with the regulations referenced above.

3.

In the event Respondent fails to comply with any of the terms of this Agreed Order, the Agreed Order shall become fully enforceable through the appropriate chancery court. The Mississippi Department of Environmental Quality, acting on behalf of the Commission, may proceed in chancery court and may submit an affidavit to the chancery court, along with an appropriate complaint to enforce this Agreed Order of the Commission, and such affidavit shall be prima facie evidence upon which to obtain a final judgment against Respondent in favor of the Mississippi Commission on Environmental Quality.

4.

Nothing in this Agreed Order shall limit the rights of the Mississippi Department of Environmental Quality or the Mississippi Commission on Environmental Quality in the event

Respondent fails to comply with this Agreed Order. The Agreed Order shall be strictly construed to apply to those matters expressly resolved herein.

5.

Nothing contained in this Agreed Order shall limit the rights of Complainant to take enforcement or other actions against Respondent for violations not addressed herein and for future violations of environmental laws, rules, and regulations.

6.

Respondent understands and acknowledges that it is entitled to an evidentiary hearing before the Commission pursuant to Section 49-17-31 of the Mississippi Code Annotated (Supp. 1991), and that it has made an informed waiver of that right.

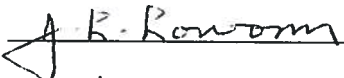
ORDERED, this the 25th day of March, 1997.

MISSISSIPPI COMMISSION ON
ENVIRONMENTAL QUALITY

BY: 

J. I. PALMER, JR.
EXECUTIVE DIRECTOR
MISSISSIPPI DEPARTMENT
OF ENVIRONMENTAL QUALITY

AGREED, this the 17 day of February, 1997.

BY: 
TITLE: Treasurer



STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY
JAMES I. PALMER, JR.
EXECUTIVE DIRECTOR

January 28, 1997

Certified Mail No. Z 156 165 101

Mr. David Coleman
Red Panther Chemical Company
P. O. Box 550
Clarksdale, MS 38614

Re: Agreed Order with Red
Panther Chemical.

Dear Mr. Coleman

Enclosed is an agreed order which addresses the discussed RCRA violations at the above referenced facility. Please review this document and, if the wording and conditions contained within it are agreeable to Red Panther, have it signed and dated by the appropriate company representative and returned to my attention at the above address within 15 days of receipt. If the wording and conditions are not agreeable to Red Panther, please contact me at your earliest convenience so that we can discuss any changes that may be necessary.

If you should have any questions or if you should require any additional information, please contact me at (601) 961-5171.

Sincerely,

A handwritten signature in cursive script that reads "Richard Harrell".

Richard Harrell
Hazardous Waste Division

Enclosure

BEFORE THE MISSISSIPPI COMMISSION
ON ENVIRONMENTAL QUALITY

MISSISSIPPI COMMISSION ON
ENVIRONMENTAL QUALITY

ORDER NO. _____

COMPLAINANT

VS.

RED PANTHER CHEMICAL COMPANY
NORMANDY AND PATTON STREETS
CLARKSDALE, MISSISSIPPI
COAHOMA COUNTY
EPA ID # MSD 000 272 385

RESPONDENT

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3. MHWMR 262.34(a)(4) and 265.35: The generator must maintain aisle space to allow for unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment. Adequate aisle space was not provided for between rows in the hazardous waste storage area to allow for container inspections or for emergency equipment.
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Respondent fails to comply with this Agreed Order. The Agreed Order shall be strictly construed to apply to those matters expressly resolved herein.

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6.

Respondent understands and acknowledges that it is entitled to an evidentiary hearing before the Commission pursuant to Section 49-17-31 of the Mississippi Code Annotated (Supp. 1991), and that it has made an informed waiver of that right.

ORDERED, this the _____ day of _____, 1997.

MISSISSIPPI COMMISSION ON
ENVIRONMENTAL QUALITY

BY: _____
J. I. PALMER, JR.
EXECUTIVE DIRECTOR
MISSISSIPPI DEPARTMENT
OF ENVIRONMENTAL QUALITY

AGREED, this the _____ day of _____, 1997.

BY: _____

TITLE: _____

RECEIVED
JAN 13 1997
Dept. of Environmental Quality
Office of Pollution Control

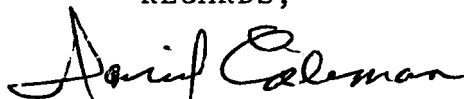
JANUARY 10, 1997

MR. RICHARD HARRELL
OFFICE OF POLLUTION CONTROL
P.O. BOX 10385
JACKSON, MS 39289-0385

DEAR RICHARD

THIS LETTER CONCERNS THE PENALTIES INCURRED BY RED PANTHER CHEMICAL COMPANY ON YOUR LAST INSPECTION. SPECIFICALLY IT DEALS WITH THE VIOLATION FOR INSUFFICIENT AISLE SPACE BETWEEN ROWS OF CONTAINERS IN THE HAZARDOUS WASTE STORAGE AREA. AT THE TIME OF YOUR INSPECTION ON THURSDAY AUGUST 29, 1996 WE WERE PREPARING A LOAD OF WASTE FOR SHIPMENT ON FRIDAY SEPTEMBER 6, 1996. IT USUALLY TAKES ABOUT 4-5 DAYS TO PREPARE A LOAD TO SHIP DUE TO ALL THE DRUM LABELING AND NECESSARY PAPERWORK. ENCLOSED IS A COPY OF THE MANIFEST GOING TO ENSCO ON SEPTEMBER 6, 1996. IF WE HAD NOT BEEN PREPARING THIS LOAD FOR SHIPMENT THE DAY YOU WERE HERE THERE WOULD HAVE BEEN A SUFFICIENT AMOUNT OF AISLE SPACE BETWEEN THE ROWS OF DRUMS IN THE HAZARDOUS WASTE STORAGE AREA. ANY CONSIDERATION GIVEN, DUE TO THE ABOVE CIRCUMSTANCES, WOULD BE GREATLY APPRECIATED.

REGARDS,



DAVID COLEMAN
RED PANTHER CHEMICAL CO.



STATE OF ARKANSAS
 Department of Pollution Control and Ecology
 P. O. Box 8913 Little Rock, Arkansas 72219-8913
 Telephone 501-562-7444

JET 9302060
 TEL# 13849
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Form Approved. OMB No. 2050-0039. EXPIRES 9-30-96

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. M S D 0 0 0 2 7 2 3 8 5		Manifest Document No. 29085	2. Page 1 of 2	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address RED PANTHER CHEMICAL NORMANDY AND PATTON STREETS CLARKSDALE, MS 38614				NORMANDY AND PATTON STREETS CLARKSDALE, MS 38614 ATTN: BOB GASTON (601)627-4731		A. State Manifest Document Number AR-829085	
4. Generator's Phone (601)627-4731				6. US EPA ID Number A R D 9 8 1 9 0 8 5 5 1		C. State Transporter's ID 1319 720	
5. Transporter 1 Company Name J. B. Hunt Special Commodity Division				7. Transporter 2 Company Name 3		D. Transporter's Phone (800)366-8539	
9. Designated Facility Name and Site Address EnSCO El Dorado Facility 309 American Circle El Dorado, AR 71730				10. US EPA ID Number A R D 0 6 9 7 4 8 1 9 2		E. State Transporter's ID PC	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
9000 WASTE PESTICIDE LIQUID TOXIC, FLAMMABLE, N.O.S., 6.1, UN2903, PG III (DIABINON, ETELEB) (pf: 631484), (1), (erg: 131) <i>PLG</i>				No. Type		Unit Wt/Vol	
				—		—	
WASTE PESTICIDES, LIQUID, TOXIC, N.O.S., 6.1, 2902, PG III (ARSENIC) (pf: 624496), (1), (erg: 131) <i>Solid</i>				022 DM 08853		P 0004	
WASTE PESTICIDES, SOLID, TOXIC, N.O.S., 6.1, UN2500, PG III (METHOMYL) (pf: 624496), (1), (erg: 151) <i>PLG</i>				—		—	
WASTE PESTICIDE, SOLID, TOXIC, N.O.S., 6.1, 2500, PG III (OXAMYL) (pf: 624496), (1), (erg: 151) <i>Liquid</i> <i>PLG</i> <i>UN 2902</i>				0102 DF 01586		P P194	
Additional Description for Materials Listed Above Ref 11B: 624496 Ref 11B: 624496 Ref 11B: 624496				K. Emergency Response Information: () -			
15. Special Handling Instructions and Additional Information LOAD #							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and Arkansas state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature Robert Gaston		Month Day Year 09.06.96	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature Willie B Woods		Month Day Year 09.06.96	
19. Discrepancy Indication Space 11b Rec'd 28 over 6 11d Rec'd 0 short 2 Resolutions like on file JH							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.				Signature Jeff Haskford		Month Day Year 09.07.95	

AR-2-96

GENERATOR

146191

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator's US EPA ID No. MSD000272385	Manifest Document No. AR 829085	22. Page 2 of 2	Information in the shaded areas is not required by Federal law.
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23. Generator's Name RED PANTHER CHEMICAL COMPANY NORMANDY AND PATTON STREETS CLARKSDALE, MS 38614 (601) 627-4731	C/O: RED PANTHER CHEMICAL COMPANY NORMANDY AND PATTON STREETS CLARKSDALE, MS 38614 ATTN: BOB GASTON (601) 627-4731	L. State Manifest Document Number AR-829085	M. State Generator's ID
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24. Transporter Company Name J. B. Hunt Special Commodity Division	25. US EPA ID Number ARD981908551	N. State Transporter's ID PC1319 H720	O. Transporter's Phone (800) 368-8539
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26. Transporter Company Name	27. US EPA ID Number	P. State Transporter's ID PC H	Q. Transporter's Phone () -
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a.	28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	29. Containers		30. Total Quantity	31. Unit WU/Vol	R. Waste No.
		No.	Type			
	WASTE PESTICIDE SOLID, TOXIC, N.O.S., 6.1, UN2588, PG PGIII (CARBARYL) (pF: 624496), (), (erg: 151)	7	DF	1295	P	U279
	WASTE PESTICIDES, LIQUID, TOXIC, N.O.S., 6.1, UN2902, PG III (ARSENIC) (pF: 631482), (), (erg: 151)	12	DF	3939	P	D004
	WASTE PESTICIDES, LIQUID, TOXIC, N.O.S., 6.1, UN2902, PG III (METHOXYL) (pF: 631482), (), (erg: 151)	2	DF	586	P	P066
	WASTE PESTICIDES, LIQUID, TOXIC, N.O.S., 6.1, UN2902, PG III (OXAMYL) (pF: 631482), (), (erg: 151)	13	DM	2516	P	P194
	WASTE PESTICIDES, LIQUID, TOXIC, N.O.S., 6.1, UN2902, PG III (CARBARYL) ARSENIC (pF: 631482), (), (erg: 151)	9	DM	3323	P	D004
	WASTE PESTICIDES, LIQUID, TOXIC, N.O.S., 6.1, UN2902, PG III (THIODICARB) (pF: 631482), (), (erg: 151)	7	DM	3912	P	U410
	Waste FLAMMABLE LIQUIDS, N.O.S., 3, UN1993, PG II (NAPHTHA) (pF: 650673), (), (erg: 128)	-	-	-	-	D004
	NON-REGULATED LIQUID WASTE PESTICIDE LIQUID, TOXIC, N.O.S., (pF: 624492), (), (erg: 0) 6.1, UN 2902, PG III (CONTAINS THIODICARB)	4	DF	1169	P	U410
	NON-REGULATED (pF: 624492) erg 0	20	DF	9366	P	N/R

S. Additional Descriptions for Materials Listed Above Ref 28A: 624496. Ref 28B: 631482. Ref 28C: 631482. Ref 28D: 631482. Ref 28E: 631482. Ref 28F: 631482. Ref 28G: 650673. Ref 28H: 624492. Ref 28I: 624492. EAC 631482 28I 624492 EAC	T. Handling Codes for Wastes Listed Above
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32. Special Handling Instructions and Additional Information
LOAD #

TRANSPORTER	33. Transporter Acknowledgement of Receipt of Materials Printed/Typed Name: Willie B. Woods Signature: Willie B. Woods Date: 09/06/96
	34. Transporter Acknowledgement of Receipt of Materials Printed/Typed Name: _____ Signature: _____ Date: _____

35. Discrepancy Indication Space
28B Rev Q 11 - 1 sheet / 28E Rev D 0 - 9 sheet
28F Rev 11 - 4 over
28H Rev 8 - 4 sheet
28I Rev 21 - 1 over
Resolution letter on file

Talked w/David Coleman 12/13/96 10:35

Gave amounts of 2 penalties:
insp. of tank areas \$1,000
aisle space \$1,000

Please modify table + total penalty amount +
sent rationale for these 2 items to him.

Thanks
D

*
Ext. of Dev. is
Minor mother
Sheets.
The description here
sounds like MOD
would be appropriate

Red Panther Chemical
EPA ID# MSD 000 272 385

TABLE SUMMARY OF PENALTIES

REQUIREMENT	SUMMATION	POT.	EXT	FINE
268.7(a)(7)	Missing Land Ban Notifications	No Penalty		\$ 0
262.34(a)(1)(i) & 265.174	Weekly Insp. of storage area	No Penalty		\$ 0
262.34(a)(4) & 265.35	Aisle Space	MIN	MOD	\$ 1,000
262.34(a)(1)(ii) & 265.195	Daily Insp. of Tanks	MIN	MOD	\$ 1,000
TOTALS	6 PENALTIES			\$ 3,000 ←
MULTI-DAY PENALTY	Not Applicable			\$ 0
ECONOMIC BENEFIT	None			\$ 0
TOTAL	Multi-Day + Other			\$ 2,000