

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BIDRIN® XP

GENERAL USE: Broad-Spectrum Cotton Insecticide (contains both a pyrethroid and an organophosphate insecticide in separate containers)

PRODUCT DESCRIPTION: Co-pack of two 1gallon containers fused as one unit. One container contains Dicrotophos Insecticide, a light yellow to dark amber liquid. The second container contains Bifenthrin Insecticide/Miticide, an amber to dark liquid with an aromatic odor.

EPA Registration Number: 5481-552

MSDS No.: 368_1

Current Revision Date: 11 July, 2007

MANUFACTURER:

AMVAC CHEMICAL CORPORATION

4100 E. Washington Blvd.

Los Angeles, CA 90023-4406

Ph: 323-264-3910

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EMERGENCY TELEPHONE NUMBERS:

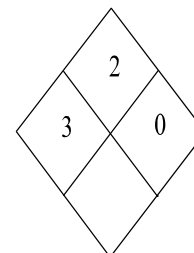
MANUFACTURER: 323-264-3910

TRANSPORTATION (24 HOURS)

CHEMTREC: 800-424-9300

OTHER (24 HOURS)

AMVAC: 323-264-3910



2. COMPOSITION/INFORMATION ON INGREDIENTS

DICROTOPHOS INSECTICIDE

Chemical Name	CAS #	Wt%	Hazard(s)	PEL/TLV
Dicrotophos; Dimethyl phosphate of 3-Hydroxy-N,N-dimethyl-cis-crotonamide	141-66-2	82.0	POISON	0.05 mg/m3 (ACGIH, skin))
Inert Ingredients		18.0		
Isopropanol (inert ingredient)	67-63-0	<18.0	Flammable	400 ppm (OSHA, TLV) 200 ppm (ACGIH, TLV); 400 PPM (ACGIH, STEL)

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2. COMPOSITION/INFORMATION ON INGREDIENTS, cont'd

BIFENTHRIN INSECTICIDE/MITICIDE

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt%</u>	<u>Hazard(s)</u>	<u>PEL/TLV</u>
Bifenthrin; (2-Methyl [1,1'-biphenyl]-3-yl)methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-=2,2-dimethyl cyclopropanecarboxylate	82657-04-3	25.1	None	None
Aromatic Hydrocarbons	64742-94-5	< 67.0	Combustible (OSHA)	100 mg/m ³ (Vendor)
Xylene (from solvent)	1330-20-7	<2.0		100 ppm 150 ppm STEL
1,2,4-Trimethylbenzene (from solvent)	95-63-6	<21.4		25 ppm
Cumene (from solvent)	98-82-8	< 1.0		50 ppm (skin)
Surfactant Blend		<10		None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

DANGER! POISON! Poisonous if swallowed, inhaled or absorbed through skin. Rapidly absorbed through the skin. Strong skin sensitizing potential. Inhalation or skin contact may, without symptoms, progressively increase susceptibility to Dicrotophos (organophosphate) poisoning. Do not swallow or get in eyes, on skin or on clothing. Do not breathe vapors.

KEEP OUT OF REACH OF CHILDREN!

Toxic to fish and wildlife. Do not contaminate bodies of water.

POTENTIAL HEALTH EFFECTS

ROUTE(S) OF ENTRY: Poisonous if swallowed, inhaled or absorbed through skin. Rapidly absorbed through skin. Inhalation or skin contact may, without symptoms, progressively increase susceptibility to poisoning.

3. HAZARDS IDENTIFICATION, cont'd

SIGNS OF ACUTE OVEREXPOSURE (Dicrotophos Insecticide) : Symptoms include weakness, headache, tightness in chest, blurred vision, non-reactive pinpoint pupils, salivation, sweating, nausea, vomiting, diarrhea, and abdominal cramps. In extreme cases unconsciousness, convulsions, severe respiratory depression and death may occur.

SIGNS OF ACUTE OVEREXPOSURE (Bifenthrin Insecticide/Miticide): Contact with Bifenthrin may occasionally produce skin sensations such as rashes, numbing, burning or tingling. These skin sensations are reversible and usually subside within 12 hours. Exposure to the vapors can cause irritation to eyes, lungs, and mucous membranes. Contact with liquid can cause eye irritation, skin irritation and skin defatting. Ingestion may result in vomiting. Aspiration (breathing) of the vomitus into the lungs must be avoided as even small quantities may result in aspiration pneumonitis (pneumonia). Prolonged exposure to aromatic hydrocarbons may result in congestive effects to a wide variety of internal organs. Symptoms of overexposure include tremors, convulsions, incoordination, decreased locomotion and nasal discharge.

SIGNS OF CHRONIC OVEREXPOSURE: Repeated exposures to small doses of this Dicrotophos Insecticide and other organophosphates may lower the cholinesterase to levels where the above symptoms of acute overexposure are observed. The symptoms for chronic overexposure to this Bifenthrin Insecticide/Miticide are the same as for acute overexposure.

OTHER POTENTIAL HEALTH EFFECTS: Laboratory studies have shown some carcinogenic and reproductive effects at high dose levels in laboratory animals. EPA's Cancer Classification for Dicrotophos states only 'Suggestive Evidence of Carcinogenicity but Not Sufficient to Assess Human Carcinogenic Potential.' None of the following have classified Dicrotophos as carcinogenic: IARC, NTP, OSHA, or ACGIH. Bifenthrin has produced an increased incidence of urinary bladder tumors in male mice at the highest dose level tested. This response however was considered equivocal and not evidence of a clear compound related effect.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Preexisting skin or respiratory disorders may be aggravated by exposure to components of this product. Preexisting conditions which lower cholinesterase levels increase vulnerability to cholinesterase depression. These include: (for plasma) chronic alcoholism; malnutrition; dermatomyositis; existing toxicity from exposure to carbon disulfide; benzalkonium salts, organic mercury compounds, ciguatoxins or solanines; and (for RBC) hemolytic anemia. Exposure to the solvent in the Formulated Bifenthrin may aggravate CNS related diseases.

Care should be taken when handling Dicrotophos, Bifenthrin and their formulations.

4. FIRST AID MEASURES

DICROTOPHOS IS A SEVERE CHOLINESTERASE INHIBITOR. A PHYSICIAN SHOULD BE CONTACTED IN ALL CASES OF EXPOSURE TO DICROTOPHOS AND ITS FORMULATIONS. WEAR PROTECTIVE EQUIPMENT WHEN TREATING SOMEONE EXPOSED TO DICROTOPHOS TO PREVENT EXPOSURE OF THE RESCUER.

4. FIRST AID MEASURES, cont'd

Except where it is specifically mentioned, the following first aid measures are applicable to exposures from both products in BIDRIN® XP.

EYES: Immediately flush the eyes with copious amounts of clear, cool running water for a minimum of 15 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eyes and lids with water. Contact a physician immediately. If there will be a delay in getting medical attention, rinse the eyes for at least another 15 minutes.

INHALATION: Remove victim to fresh air. If breathing has ceased, clear the victim's airway and start mouth-to-mouth artificial respiration. If breathing is difficult, give oxygen. Contact a physician immediately. Be sure the contact areas are clean to prevent contamination of the rescuer.

INGESTION: DO NOT induce vomiting. If subject is conscious, administer an 8 oz. glass of water containing 2 tbsp. activated charcoal. Never give anything by mouth to an unconscious person. Contact a physician immediately. Be sure the mouth is clean or wear rubber gloves to prevent contamination of the rescuer.

SKIN: Immediately flush all affected areas with large amounts of clear water for at least 15 minutes. Remove contaminated clothing. Do not attempt to neutralize with chemical agents. Wash clothing before reuse. If skin irritation develops, contact a physician immediately.

NOTE TO PHYSICIANS: This product contains two different, separate pesticides. The **Dicrotophos Insecticide is an Organophosphate (OP) Insecticide and the Bifenthrin Insecticide/Miticide is a pyrethroid type pesticide..** Do not wait for laboratory confirmation to treat patients with strong clinical evidence of organophosphate poisoning. In the USA and other countries, contact your local or national poison control center for more information.

Do Not handle the patient without the following protective equipment in place: chemical resistant gloves and apron (preferably nitrile). Remove contaminated clothing and do not reuse without thorough cleaning with detergent and hot water. Dispose of heavily contaminated clothing, including shoes, as a hazardous waste.

Establish airway and oxygenation. IV Atropine sulfate is the antidote of choice against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation, Atropine Sulfate should be injected at 10 minute intervals in doses of 1 to 2 milligrams until complete atropinization has occurred. Pralidoxime chloride (2-PAM chloride) may also be used as an effective antidote in addition to and while maintaining full atropinization. In adults, an initial dose of 1 gram of 2-PAM should be injected, preferably as an infusion, in 250 cc of saline over a 15 to 20 minute period. If this is not practical, 2-PAM may be administered slowly by intravenous injection as a 5% solution in water over not less than 2 minutes. After about an hour, a second dose of 1 gram of 2-PAM will be indicated if muscle weakness has not been relieved. For infants and children, the dose of 2-PAM is 0.25 grams. Avoid morphine, aminophylline, phenothiazines, reserpine, furosemide and ethacrynic acid. Clear chest by postural drainage. Oxygen administration may be necessary. Observe patient continuously for 48 hours. Repeated exposure to cholinesterase inhibitors may without warning cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until time for cholinesterase regeneration has been attained as determined by a blood test.

4. FIRST AID MEASURES, cont'd

Bathe and shampoo contaminated skin and hair. If ingested, empty stomach; activated charcoal is useful to further limit absorption. If victim is alert, Syrup of Ipecac (2 tablespoons in adults, 1 tablespoon in small children) followed by water (2 glasses for adults, 1 glass for children) is indicated. If symptoms such as loss of gag reflex, convulsions, or unconsciousness occur before emesis, gastric lavage should be considered following intubation with a cuffed endotracheal tube.

The Bifenthrin Insecticide/Miticide contains an aromatic hydrocarbon solvent. Aspiration of the vomitus may cause aspiration pneumonitis. In addition, the product is an eye irritant and a defatting agent. Treat symptomatically.

5. FIRE FIGHTING MEASURES

The information listed below is applicable to both parts of this product, except where specifically identified as being applicable to an individual container.

FLAMMABLE PROPERTIES

	Dicrotophos Insecticide	Bifenthrin Insecticide/ Miticide
Flash Point:	100-109°F (38-43°C)	108°F/42°C (TCC)
Autoignition Temperature:	750°F (399	894°F (479°C)
Flammable Limits:		
Lower flammable limit:	2.0%	0.9%
Upper flammable limit:	12.7%	6.0%
Flammability:	These are both flammable liquids (NFPA rating = 2)	

EXPLOSIVITY:

Mechanical Impact:	Not expected to be explosive	Not expected to be explosive
Static Discharge:	Not available	May accumulate static electricity

HAZARDOUS COMBUSTION PRODUCTS: Heating or burning may release highly toxic vapors or fumes. Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup, which could result in container rupture.

EXTINGUISHING MEDIA: Water fog, "Alcohol" Foam, Dry Chemical, CO₂.

FIRE FIGHTING INSTRUCTIONS: Evacuate personnel to a safe area upwind of the fire. Wear self-contained breathing apparatus. Wear full protective equipment to prevent skin contact. Use water spray to cool fire exposed surfaces and to protect personnel. Isolate "fuel" supply from fire. Avoid spraying water directly into storage containers due to danger of boil over. This product contains volatile liquids and gives off invisible vapors. Either the liquid or the vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode. Runoff from fire control may be a pollution hazard. Wash all equipment thoroughly with detergent and water before reuse.

6. ACCIDENTAL RELEASE MEASURES

GENERAL: The information in this section is applicable to both parts of the BIDRIN® XP co-pack. Use adequate ventilation and recommended personal protective equipment (see Section 8). Remove all sources of ignition. Use spark proof equipment. Keep bystanders upwind and away from the spill.

SMALL SPILL: Cover with nonflammable absorbent (clay, kitty litter, etc.), to absorb the liquid. Sweep or shovel the absorbed material, using spark proof equipment, into an open drum. Decontaminate the area and equipment with dilute alkali or ammonia (less than 5% solution) and detergent. Absorb and sweep into the same open drum. Rinse with water, absorb, and add to the waste drum. Close the drum and dispose of properly, according to hazardous waste disposal procedures for your locality.

LARGE SPILL: Dike the spill to prevent contamination of local water sources. Siphon the majority of the liquid into drums for use or disposal, depending on the circumstances. Clean the area as described for a small spill.

7. HANDLING AND STORAGE

HANDLING: Avoid exposure to vapors and liquid by wearing appropriate personal protective equipment (PPE, section 8) and adequate ventilation. Always wash hands, face, and arms with soap and water before smoking, eating, drinking, or going to the toilet.

STORAGE: Store in the original container in a secure, temperate, dry place. Do not contaminate water, food, or feed. Do not contaminate bodies of water. Store away from sources of heat and ignition. Do not freeze or store below 40°F (4.4°C).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Ventilation should be sufficient to keep exposures to vapors below the TLV for ingredients in this product (See section 2). BIDRIN® XP must be used in a closed system. See the label for complete details.

RESPIRATORY PROTECTION: A properly FIT-TESTED NIOSH/MSHA approved respirator fitted with organic vapor cartridges is required when working with this product. Specific use regulations are listed on the label. For emergency and other conditions where the exposure limit may be greatly exceeded, use an approved positive-pressure, self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply.

SKIN PROTECTION: Wear clean chemical-resistant gloves, clean protective clothing, impervious shoes or boots and goggles. Some materials that are chemical-resistant to this product are: barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC) or viton. If other options are desired, follow the instructions for category E on an EPA chemical-resistance category selection chart. Replace gloves every eight hours or sooner if exposure has been heavy. For the exact requirements for protective clothing under different circumstances, refer to the label on the product container. If there is a potential for splashing

8. EXPOSURE CONTROLS/PERSONAL PROTECTION, cont'd

a full face shield and a chemical-resistant apron should also be worn. Remove PPE immediately after handling this product. Wash the outside of gloves before they are removed. Always wash hands, face and arms with soap and water before smoking, eating, drinking, or going to the toilet.

EYE PROTECTION: Goggles are required for use of this product. In addition, a full face shield may also be required if splashing is a possibility.

OTHER PROTECTION: There should be an eyewash station and a safety shower in the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

The following physical and chemical properties are listed for the two separate pesticides that make up BIDRIN® XP.

	Dicrotophos Insecticide	Bifenthrin Insecticide/ Miticide
PHYSICAL STATE:	Liquid	Liquid
APPEARANCE:	Light yellow to dark amber	Amber to dark
ODOR:	Mild ester	Aromatic solvent odor
ODOR THRESHOLD:	None established	None established
BOILING POINT:	Not determined	> 318°F/159°C
FREEZING/MELTING POINT:	Not determined	< 0°C/32°F
SPECIFIC GRAVITY:	1.19 g/mL @ 20°C	0.97 g/mL @ 20°C
BULK DENSITY:	9.9 lb/gal	8.1 lb/gal
VAPOR PRESSURE (mm/Hg):	2.9 x 10 ⁻³ Pa/2.2 x 10 ⁻⁵ torr (a.i.)	2.4 x 10 ⁻⁶ Pa/2.0 x 10 ⁻⁸ torr (a.i.)
VAPOR DENSITY:	Heavier than air	Heavier than air
PERCENT VOLATILE (by vol):	Not determined	Not determined
SOLUBILITY IN WATER:	Miscible	Emulsifiable
SOLUBILITY (Other):	Ketones, esters, aromatic hydrocarbons	Aromatic hydrocarbons

9. PHYSICAL AND CHEMICAL PROPERTIES

	Dicrotophos Insecticide	Bifenthrin Insecticide/ Miticide
PARTITION COEFFICIENT (O/W):	E-isomer = 2.445; Z-isomer = 0.000481 (a.i.)	
pH:	Not available for formulation (Dicrotophos @ 1% in water = 2.75 - 2.80)	7.0 (5% in water)
EVAPORATION RATE:	Not available	Not available

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY (Conditions to avoid): Both parts of the BIDRIN® XP co-pack are stable at normal temperatures and storage conditions.

INCOMPATIBILITY: The formulated Dicrotophos is incompatible with alkaline materials. The formulated Bifenthrin is incompatible with oxidizing compounds. Heat and open flames should be avoided in both cases.

HAZARDOUS DECOMPOSITION PRODUCTS: Heating or burning both products in BIDRIN® XP co-pack may release highly toxic vapors or fumes. Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup, which could result in container rupture.

HAZARDOUS POLYMERIZATION: will not polymerize.

11. TOXICOLOGICAL INFORMATION

The following information is presented for the two parts of the BIDRIN® XP co-pack. No data are available for this product. The following information is available for each of the active ingredients or formulation as indicated. Dicrotophos Technical data are used to estimate toxicological effects for the formulated Dicrotophos half of the co-pack.

	TOXICOLOGICAL EFFECT	Dicrotophos Technical	Bifenthrin Insecticide/Miticide
INGESTION;	Oral LD50 (rat);	8/11 mg/kg, females/ males (Tox category I)	262 mg/kg
DERMAL:	Skin LD50 (rabbit)	876/487 mg/kg, males/females (Tox Category II)	> 2000 mg/kg

11. TOXICOLOGICAL INFORMATION, cont'd

TOXICOLOGICAL EFFECT		Dicrotophos Technical	Bifenthrin Insecticide/Miticide
INHALATION:	Inhalation LC50 (rat):	> 0.059 mg/L (Tox Category II)	1.86 mg/L (aerosol, 4 hr test)
IRRITATION:	Eye irritation:	Irritating (Tox Category II)	Minimally irritating
	Skin irritation:	Non-irritating (Tox Category IV)	Non irritating
SENSITIZATION:	Skin sensitization: (guinea pig)	Skin sensitizer	Sensitizer

TERATOGENICITY: Dicrotophos did not show any signs of teratogenicity when tested in laboratory animals. In studies with animals, bifenthrin did not cause teratogenicity.

MUTAGENICITY: Dicrotophos is not considered to be mutagenic. Tests with Bifenthrin technical have shown an absence of genotoxicity.

CARCINOGENICITY: Dicrotophos has shown an increased incidence of thyroid follicular cell adenomas in male mice receiving 50 ppm Dicrotophos, the highest dose level tested in a two year study. EPA's Cancer Classification for Dicrotophos states only 'Suggestive Evidence of Carcinogenicity but Not Sufficient to Assess Human Carcinogenic Potential.' None of the following have classified Dicrotophos as carcinogenic: IARC, NTP, OSHA, or ACGIH. Bifenthrin has produced an increased incidence of urinary bladder tumors in male mice at the highest dose level tested. This response however was considered equivocal and not evidence of a clear compound related effect. None of the following agencies have classified Bifenthrin as carcinogenic: IARC, NTP, OSHA, and ACGIH. Only EPA has classified Bifenthrin as a Group C possible human carcinogen based on this limited animal data and no human data.

REPRODUCTIVE TOXICITY: Dicrotophos has shown effects on reproductive performance, pup survival and pup growth but only at dose levels (25 to 5 ppm) that also showed paternal toxicity in a rat multigeneration study. In studies with animals, Bifenthrin did not cause reproductive toxicity.

TOXICOLOGICAL SYNERGISTIC PRODUCTS: No data are available for either of the two pesticide formulations found in BIDRIN® XP.

12. ECOLOGICAL INFORMATION

GENERAL: This product is highly toxic to fish, aquatic invertebrates, birds and mammals. Use with care when applying in areas adjacent to any body of water. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water or to areas when surface water is present or to intertidal areas below the mean high-water mark. Keep out of lakes, ponds, and streams. Do not contaminate water when disposing of equipment wastewater or rinsate. This product is toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product is bees are visiting the treatment area. For more complete information see the product label.

13. DISPOSAL CONSIDERATIONS

WASTE 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 nearest State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional office for guidance. Open dumping is prohibited.

CONTAINER DISPOSAL: Do not reuse the empty container. Triple rinse (or equivalent). Then puncture and dispose of container in a sanitary landfill, or by other procedures approved by state and local authorities. Contact your nearest State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional office for guidance. Open dumping is prohibited.

14. TRANSPORTATION INFORMATION

Since BIDRIN® XP is sold only as a two part joined container, the following shipping information is applicable (note that the product requires two separate shipping descriptions):

DOT CLASS:	6.1, 3
UN NUMBER:	UN3017; UN3351
IMDG Class (sea):	6.1, 3
IATA CLASS (air):	6.1, 3
MARINE POLLUTANT:	Yes (Dicrotophos = Marine pollutant; Bifenthrin = Severe marine pollutant)
PACKING GROUP:	II
HAZARD LABEL(s):	Toxic, Flammable Liquid
ADR CLASS (road):	6.1, 3
PROPER SHIPPING NAME(s):	Organophosphorus pesticide(s), liquid, toxic, flammable (Dicrotophos, Isopropanol) Pyrethroid pesticide, liquid, toxic, flammable (Bifenthrin, Xylene)
REPORTABLE QUANTITY: (DOT, 172.101, Appendix A)	No

PACKAGING

GENERAL DESCRIPTION:	2x1 gallon fused container
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15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: This product is registered as a unit under EPA/FIFRA Regulations as a RESTRICTED USE PESTICIDE and is for sale to and use only by Certified Applicators or persons under the direct supervision of a Certified Applicator. It is a violation of Federal Law 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.

15. REGULATORY INFORMATION, cont'd

SARA TITLE III DATA

Section 311 & 312 Hazard Categories:

Immediate Health Hazard:	Yes
Delayed Health Hazard:	Yes
Fire Hazard:	Yes
Reactive Hazard:	No
Sudden Pressure Release Hazard:	No

Section 302 Extremely Hazardous Substances: Dicrotophos (CAS No. 141-66-2)

TPQ - 100 lbs

Section 313 Toxic Chemicals:

Bifenthrin (CAS 82657-04-3)	25.1%
1,2,4-trimethylbenzene (CAS 95-63-6)	< 21.4%
Xylene (CAS 1330-20-7)	< 2.0%
Cumene (CAS 98-82-8)	< 1.0%

CERCLA Reportable Quantity (RQ):

Xylene (1330-20-7):	100 lbs
Cumene (98-82-8):	5000 lbs
Formulated Bifenthrin:	5000 lbs

EPCRA Threshold Planning Quantity (TPQ):

Dicrotophos (141-66-2):	100 lbs
Formulated Dicrotophos:	122 lbs

STATE REGULATIONS:

CALIFORNIA (Proposition 65): None

16. OTHER INFORMATION

MSDS STATUS:

Date This Revision: 11 July, 2007 (DRAFT 2)

Date Previous Revision: NEW MSDS

Person Responsible for Preparation: Gary A. Braden

REASONS FOR REVISION: New product.

DISCLAIMER: This information is provided for the limited guidance to the user. While AMVAC believes that the information is, as of the date hereof, reliable, it is the user's responsibility to determine the suitability of the information for its purposes. The user is advised not to construe the information as absolutely complete since additional information may be necessary or desirable when particular, exceptional, or variable conditions or circumstances exist (like combinations with other materials), or because of applicable regulations. No express or implied warranty of merchantability or fitness for a particular purpose or otherwise is made hereunder with respect to the information or the product to which the information relates.

16. OTHER INFORMATION, cont'd

ABBREVIATIONS:

a.i.	-	active ingredient
ACGIH	-	American Conference of Governmental Industrial Hygienists
CERCLA	-	Comprehensive Environmental Response, Compensation, and Liability Act
DOT	-	Department of Transportation
EPA	-	Environmental Protection Agency
EPCRA	-	Emergency Planning and Community Right-to-Know Act
FIFRA	-	Federal Insecticide, Fungicide, and Rodenticide Act
IARC	-	International Agency for Research on Cancer
IATA	-	International Air Transport Association
IMDG	-	International Maritime Dangerous Goods
NTP	-	National Toxicology Program
OSHA	-	Occupational Safety and Health Administration
SARA	-	Superfund Amendments and Reauthorization Act
TSCA	-	Toxic Substances Control Act

This is the last page of this MSDS. There should be 12 pages.