

MATERIAL SAFETY DATA SHEET

ALBAUGH FIVE STAR™

EPA REGISTRATION NUMBER 42750-49

EFFECTIVE DATE: SEPTEMBER 20, 1999

DATE REVISED:

ALBAUGH, INC.
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I. INGREDIENTS:

		<u>PEL/TLV</u>
2-ETHYLHEXYL ESTER OF 2,4-DICHLOROPHENOXYACETIC ACID (CAS # 1928-43-4)	81.8 %	NOT ESTABLISHED
MEDIUM ALIPHATIC SOLVENT NAPHTHA (CAS 64742-88-7)	8.4 %	100 PPM
INERT INGREDIENTS	9.8 %	

II. PHYSICAL DATA:

BOILING POINT: 323-390 DEGREES FAHRENHEIT (SOLVENT)
MELTING POINT: NOT APPLICABLE
VAPOR PRESSURE: 1.7 MM HG @ 68 DEGREES FAHRENHEIT (SOLVENT)
VAPOR DENSITY: > 1 (AIR = 1)
SOLUBILITY IN WATER: DISPERSES TO FORM AN EMULSION
SPECIFIC GRAVITY: 1.09 @ 20° C
APPEARANCE: CLEAR, AMBER TO DARK BROWN LIQUID.
ODOR: ALIPHATIC HYDROCARBON

III. FIRE AND EXPLOSION DATA

FLASH POINT: 145° F, PENSKY-MARTENS CLOSED CUP
AUTOIGNITION TEMPERATURE: NOT DETERMINED
FLAMMABLE LIMITS: LEL 0.9 (SOLVENT)
EXTINGUISHING MEDIA: DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY, OR FOAM.
NFPA CLASSIFICATION: HEALTH = 2, FLAMMABILITY = 2, REACTIVITY = 0
[0=LEAST, 1=SLIGHT, 2=MODERATE, 3=HIGH, 4=SEVERE]

IV. REACTIVITY DATA:

STABILITY: STABLE UNDER NORMAL CONDITIONS.
CONDITIONS TO AVOID: AVOID EXCESSIVE HEAT.
MATERIALS TO AVOID: ACIDS, BASES, AND STRONG OXIDIZING AGENTS.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.
HAZARDOUS DECOMPOSITION: THERMAL DECOMPOSITION MAY RELEASE TOXIC AND/OR HAZARDOUS GASES.

V. ENVIRONMENTAL AND DISPOSAL INFORMATION:

USE ABSORBANT MATERIAL TO CONTAIN SPILLS. PLACE CONTAMINATED ABSORBANT IN DRUMS AND DISPOSE OF AT AN EPA APPROVED INCINERATOR. DO NOT REUSE CONTAINERS. EMPTY CONTAINERS SHOULD BE TRIPLE RINSED AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. LARGE SPILLS SHOULD BE REPORTED IMMEDIATELY TO CHEMTREC (800-424-9300) AND TO ALBAUGH, INC.

RCRA HAZARDOUS WASTE CODES: D016, U240. CERCLA REPORTABLE QUANTITY: 100 LB.

VI. HEALTH HAZARD DATA

ROUTES OF ENTRY: CONTACT, INHALATION, INGESTION.

INHALATION: SLIGHTLY TOXIC. OVEREXPOSURE MAY CAUSE IRRITATION TO THE RESPIRATORY TRACT, COUGHING, AND DIZZINESS.

SKIN CONTACT: FREQUENT OR PROLONGED CONTACT MAY CAUSE IRRITATION.

EYE CONTACT: MODERATELY IRRITATING TO THE EYES.

INGESTION: SLIGHTLY TOXIC. MAY BE IRRITATING TO THE GASTROINTESTINAL TRACT.

CARCINOGENICITY: INGREDIENTS IN THIS PRODUCT ARE NOT SPECIFICALLY LISTED AS CARCINOGENS BY NTP, IARC, OR OSHA. IARC LISTS CHLOROPHENOXY HERBICIDES AS A CLASS 2B CARCINOGEN - LIMITED EVIDENCE IN HUMANS. THE SCIENCE ADVISORY PANEL OF EPA HAS GIVEN A CLASS D STATUS - NOT CLASSIFIABLE AS TO HUMAN CARCINOGENICITY.

MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE: SKIN IRRITATION MAY BE AGGRAVATED IN PERSONS WITH EXISTING SKIN LESIONS. BREATHING OF VAPORS MAY AGGRAVATE CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, OR CHRONIC BRONCHITIS.

VII. FIRST AID

EYES: FLUSH WITH RUNNING WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS GET MEDICAL ATTENTION.

SKIN: WASH THOROUGHLY WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

INHALATION: REMOVE TO FRESH AIR. IF BREATHING STOPS ADMINISTER ARTIFICIAL RESPIRATION AND GET MEDICAL ATTENTION IMMEDIATELY. IF BREATHING IS DIFFICULT REFER TO A PHYSICIAN.

INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

VIII. HANDLING PRECAUTIONS

VENTILATION: HANDLE IN A WELL VENTILATED AREA. IF VENTILATION IS NOT ADEQUATE, WEAR A RESPIRATOR APPROVED FOR ORGANIC VAPORS.

PROTECTIVE CLOTHING: WEAR CHEMICAL RESISTANT GLOVES, LONG PANTS, LONG SLEEVED SHIRT, CHEMICAL RESISTANT BOOTS, AND A HAT. AVOID DIRECT CONTACT WITH THE SKIN.

EYE PROTECTION: WEAR SAFETY GOGGLES OR FACE SHIELD.

IX. SARA TITLE III NOTIFICATION AND INFORMATION:

SARA TITLE III HAZARD CLASSES: ACUTE HEALTH=YES, CHRONIC HEALTH=YES, FIRE=YES, SUDDEN PRESSURE=NO, REACTIVE=NO.

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III SEC 313 AND 40 CFR PART 372.

2,4-D 2-ETHYLHEXYL ESTER

CAS # 1928-43-4

81.8 %

X. ADDITIONAL INFORMATION:

DO NOT STORE NEAR FOOD OR WITHIN THE REACH OF CHILDREN. DO NOT STORE NEAR HEAT OR OPEN FLAME.

THE INFORMATION HEREIN IS PROVIDED IN GOOD FAITH, BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE. CONTACT ALBAUGH, INC. FOR FURTHER INFORMATION.