

MATERIAL SAFETY DATA SHEET

ALBAUGH 2,4-D LV 4

EPA REGISTRATION NUMBER 42750-15

EFFECTIVE DATE: NOVEMBER 27, 1995

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ALBAUGH, INC.
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I. INGREDIENTS

PEL/TLV

2-ETHYLHEXYL ESTER OF 2,4-DICHLOROPHENOXYACETIC ACID (CAS # 1928-43-4)	63.7 %	NOT ESTABLISHED
FUEL OIL (CAS # 8008-20-6)	28.3 %	NOT ESTABLISHED
INERT INGREDIENTS	8.0 %	

II. PHYSICAL DATA

BOILING POINT: 330 DEGREES FAHRENHEIT (FUEL OIL)
MELTING POINT: NOT APPLICABLE
VAPOR PRESSURE: 2 MM HG @ 68 DEGREES FAHRENHEIT (FUEL OIL)
VAPOR DENSITY: > 1 (AIR = 1)
SOLUBILITY IN WATER: DISPERSES TO FORM AN EMULSION
SPECIFIC GRAVITY: 1.03 @ 20° C
APPEARANCE: CLEAR, DARK RED LIQUID.
ODOR: FUEL OIL

III. FIRE AND EXPLOSION DATA

FLASH POINT: 150° F, PENSKY-MARTENS CLOSED CUP
AUTOIGNITION TEMPERATURE: 410° F (FUEL OIL)
FLAMMABLE LIMITS: LEL 0.5 (FUEL OIL) UEL 6.0 (FUEL OIL)
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.

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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=NO, 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

63.7 %

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.