

MATERIAL SAFETY DATA SHEET

TENKOZ TRIFLURALIN 4EC HERBICIDE

EPA REGISTRATION NUMBER 42750-32-55467

EFFECTIVE DATE: NOVEMBER 9, 1995

DATE REVISED: MARCH 4, 2003

TENKOZ INC.

100 NORTH POINT CENTER EAST

ALPHARETTA, GA 30022

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I. INGREDIENTS:

TRIFLURALIN (CAS # 1582-09-8)	43.0 %	PEL: NOT ESTABLISHED
NAPHTHALENE (CAS # 91-20-3)	6.9 %	PEL: 10 PPM

II. PHYSICAL DATA:

BOILING POINT: > 200 DEGREES FAHRENHEIT
MELTING POINT: NOT APPLICABLE
VAPOR PRESSURE: ~ 1.1 MM HG @ 68 ° F
VAPOR DENSITY: ~ 4.7 RELATIVE TO AIR
SOLUBILITY IN WATER: DISPERSES TO FORM AN EMULSION
SPECIFIC GRAVITY: 1.12 (20/20 ° C)
APPEARANCE: CLEAR, DEEP ORANGE LIQUID.
ODOR: AROMATIC ODOR

III. FIRE AND EXPLOSION DATA

FLASH POINT: 203 ° F, PENSKEY-MARTENS CLOSED CUP
AUTOIGNITION TEMPERATURE: ~ 880 ° F
FLAMMABLE LIMITS: NOT AVAILABLE
EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM, CARBON DIOXIDE.
NFPA CLASSIFICATION: HEALTH = 1, FLAMMABILITY = 2, REACTIVITY = 0
[0=LEAST, 1=SLIGHT, 2=MODERATE, 3=HIGH, 4=SEVERE]

IV. REACTIVITY DATA:

STABLE UNDER NORMAL CONDITIONS. NO KNOWN INCOMPATIBLE MATERIALS. THERMAL DECOMPOSITION MAY RELEASE TOXIC AND/OR HAZARDOUS GASES. HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

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: TRIFLURALIN NOT LISTED

DOT REPORTABLE QUANTITY: TRIFLURALIN = 10 LB, NAPHTHALENE = 100 LB

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VI. HEALTH HAZARD DATA

ROUTES OF ENTRY: INHALATION, CONTACT, INGESTION.

INHALATION: MAY CAUSE IRRITATION OF NAZAL PASSAGES. INHALATION OF HIGH CONCENTRATIONS MAY CAUSE HEADACHES, DIZZINESS, DROWSINESS, ANESTHESIA, AND UNCONSCIOUSNESS.

SKIN CONTACT: FREQUENT OR PROLONGED CONTACT MAY CAUSE IRRITATION. THE ACUTE DERMAL LD₅₀ IN RABBITS HAS BEEN SHOWN TO BE > 2,000 MG/KG.

EYE CONTACT: CAUSES IRRITATION TO THE EYES.

INGESTION: THE MATERIAL IS CONSIDERED TO BE ONLY SLIGHTLY TOXIC. THE ORAL LD₅₀ HAS BEEN CALCULATED TO BE 3299 MG/KG.

CARCINOGENICITY: THIS PRODUCT CONTAINS *NAPHTHALENE* WHICH THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS CLASSIFIED AS A POSSIBLE HUMAN CARCINOGEN (GROUP 2B). *TRIFLURALIN* IS AN EPA CLASS C CARCINOGEN. *TRIFLURALIN* IS NOT LISTED AS A CARCINOGEN BY IARC, NTP, OSHA, OR ACGIH.

MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE: SKIN IRRITATION MAY BE AGGRAVATED IN PERSONS WITH EXISTING SKIN LESIONS. BREATHING OF VAPORS MAY AGGRAVATE EXISTING 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.

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

TRIFLURALIN	(CAS # 1582-09-8)	43.0 %
NAPHTHALENE	(CAS # 91-20-3)	6.9 %

X. ADDITIONAL INFORMATION:

AVOID FREEZING. STORE ABOVE 40° F. 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 TENKOZ INC. FOR FURTHER INFORMATION.

