

MATERIAL SAFETY DATA SHEET

Conforms to 29 CFR 1910.1200 (OSHA HAZARD COMMUNICATION STANDARD)

WESTERN ENVIRONMENTAL
P.O. BOX 9035
SCOTTSDALE, AZ 85252

PRODUCT NAME: TOTAL KILL

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SECTION I - PRODUCT IDENTIFICATION

Trade Names and Synonyms:

TOTAL KILL

Chemical Name/Synonyms:

N/A

Chemical Family:

SYNERGIZED PYRETHRIN INSECTICIDE

Formula: MIXTURE

NFPA HAZARD IDENTIFICATION SYSTEM

HAZARD RATING		
HEALTH	2	4 - Extreme
FLAMMABILITY	1	3 - High
REACTIVITY	0	2 - Moderate
		1 - Slight
		0 - Insignificant

SECTION II - HAZARDOUS INGREDIENTS

Substance	Approx. %	OSHA PEL	ACGIH TLV	CARCINOGENICITY			CAS No.
				NPT	IARC	OSHA	
Petroleum Distillates	> 80.00	400 ppm	400 ppm	N	N	N	8052-41-3
Pyrethrins	1.200	5 ppm	5 ppm	N	N	N	8003-34-7
Piperonyl Butoxide, tech	2.400	N/A	N/A	N	N	N	51-03-6
n-Octylbicycloheptene Dicarboxyimide	3.960	N/A	N/A	N	N	N	113-48-4

SECTION III - PHYSICAL DATA

Boiling Point (°F): 340

Vapor Pressure (mm Hg): NOT DET.

Vapor Density (air = 1): < 1.0

Solubility in water: EMULSIFIES

Appearance and Odor: CLEAR, GOLD LIQUID, TYPICAL PETROLEUM DISTILLATE ODOR

Specific Gravity: 0.79

% Volatile (volume %): > 90.0

Evaporation Rate (ether = 1) > 1.0

pH: N/A

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (°F): 125

(test method): CLOSED CUP

Extinguishing Media: WATER FOG, FOAM, CARBON DIOXIDE, DRY CHEMICAL.

Special Fire Fighting Procedure: FIRE FIGHTERS MUST USE FULL PROTECTIVE GEAR AND SELF-CONTAINED BREATHING APPARATUS. FIRE MAY PRODUCE HAZARDOUS VAPORS. MINIMIZE AMOUNT OF WATER USED TO CONTROL FIRE AS RUN-OFF MAY CAUSE POLLUTION. CONTAIN RUN-OFF FOR PROPER DISPOSAL.

Unusual Fire and Explosion Hazard: COOL CONTAINERS IN THE VICINITY OF FIRE WITH WATER FOG. SOLVENT VAPORS MAY CAUSE FLASHBACK.

Flammable Limits in air (volume %)

Upper: N/A Lower: N/A

SECTION V - REACTIVITY DATA

Stability: STABLE

Incompatibility: NONE

Hazardous Decomposition Products: THERMAL DECOMPOSITION MAY YIELD OXIDES OF CARBON, AND NITROGEN.

Hazardous Polymerization: WILL NOT OCCUR

Conditions to Avoid: HEAT AND OPEN FLAME

Conditions to Avoid: NONE

SECTION VI - HEALTH HAZARD DATA

Threshold Limit Value (TLV): NOT ESTABLISHED

Primary Route(s) of Exposure: EYE AND SKIN CONTACT, INHALATION

Effects of Overexposure: **EYES:** IRRITATION AND REDNESS, TEARING, BLURRED VISION. **SKIN:** IRRITATION WITH PROLONGED CONTACT. **INHALATION:** RESPIRATORY TRACT IRRITATION, DIZZINESS, WEAKNESS, HEADACHE. **INGESTION:** GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, HARMFUL IF SWALLOWED.

Emergency and First Aid Procedures: **EYES:** FLUSH EYES AND UNDER EYELIDS WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION. **INGESTION:** CALL PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. **SKIN:** REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE RE-USE. WASH WITH SOAP AND WATER. **INHALATION:** REMOVE PERSON TO FRESH AIR. PERFORM ARTIFICIAL RESPIRATION IF INDICATED. OBTAIN MEDICAL ASSISTANCE. OBTAIN MEDICAL ATTENTION.

SECTION VII - SPILL OR LEAK PROTECTION

Steps to be taken if Material is Released or Spilled: VENTILATE AREA, AND CONTAIN SPILL. SOAK UP ON INERT ABSORBENT MATERIAL AND PLACE IN CLOSED CONTAINER FOR DISPOSAL.

Waste Disposal Method: CONSULT LOCAL ENVIRONMENTAL AUTHORITIES.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: USE WITH ADEQUATE VENTILATION. IN AREAS OF HIGH CONCENTRATION, AN APPROVED NIOSH RESPIRATOR WITH AN ORGANIC VAPOR FILTER AND PESTICIDE PRE-FILTER MUST BE USED.

Ventilation: Local exhaust: RECOMMENDED

Mechanical: RECOMMENDED

Protective Gloves: RUBBER GLOVES

Eye Protection: CHEMICAL GOGGLES

Other Protective Equipment: EMERGENCY SHOWER AND EYE WASH STATION, PROTECTIVE CLOTHING

SECTION IX - SPECIAL PROTECTION

Precautions to be Taken in Handling or Storage: STORE IN A COOL, DRY PLACE. AWAY FROM HEAT OR OPEN FLAME. WASH THOROUGHLY AFTER HANDLING. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. DO NOT CONTAMINATE FOOD FEED, OR SEED BY STORAGE OR DISPOSAL.

Other Precautions: KEEP OUT OF REACH OF CHILDREN.

SECTION X - REGULATORY INFORMATION

DOT Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (PETROLEUM NAPHTHA (RQ PYRETHRINS))

DOT Class: 3

DOT ID Number: UN1993

DOT Packing Group: III

SARA/TITLE III - CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4): This product **does** contain an ingredient(s) listed as a hazardous ingredient for Emergency Release Notification under section 302: Pyrethrins (CAS No. 8003-34-7).

SARA/TITLE III - List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355): This product **does not** contain an ingredient(s) listed as an extremely hazardous substance (EHS) for Emergency Planning under sections 302 and for Emergency Release Notification under section 304.

SARA/TITLE III - List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372): This product **does not** contain an ingredient(s) listed as a toxic chemical for Annual Release Reporting Requirements under section 313.

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