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MATERIAL SAFETY DATA SHEET
HEALTH-1 FLAMMABILITY-1 REACTIVITY-0 PERSONAL PROTECTION-

IDENTITY: 1529 BULLS EYE - DATED: 12-15-97

SECTION I - MANUFACTURED FOR
PRO CHEM, INC. - 1475 BLUEGRASS LAKES PARKWAY - ALPHARETTA, GA. 30201 - EMERGENCY AND INFORMATION#: (800) 241-8180

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME: PERMETHRIN.				
OSHA PEL: N A.	ACGIH TLV: N A.	% RAW MTL: N A.	OTHER LIMITS: N A.	CAS#: 52645-53-1.
CHEMICAL NAME: PIPERONYL BUTOXIDE				
OSHA PEL: NA.	ACGIH TLV: N A.	% RAW MTL: N A.	OTHER LIMITS: N A.	CAS#: 51-03-6
CHEMICAL NAME: PYRETHRINS				
OSHA PEL: 1000 PPM.	ACGIH TLV: 1000 PPM.	% RAW MTL: N A.	OTHER LIMITS: N A.	CAS#: 8003-34-7
CHEMICAL NAME: PETROLEUM DISTILLATE				
OSHA PEL: NA.	ACGIH TLV: NA.	% RAW MTL: NA.	OTHER LIMITS: NA.	CAS# 64742-47-8
CHEMICAL NAME: LIQUIFIED PETROLEUM GAS				
OSHA PEL: NA.	ACGIH TLV: NA.	% RAW MTL: NA.	OTHER LIMITS: NA.	CAS# 68476-85-7

SECTION III - PHYSICAL DATA

BOILING POINT: 210 DEG. F.	APPEARANCE: YELLOWISH LIQUID, INSECTICIDE ODOR
SOLUBILITY: COMPLETE.	SPECIFIC GRAVITY (H20=1): @ 75 DEG F: 0.975
VAPOR PRESSURE (mm Hg.): PSIG @ 70 DEG F: 55	MELTING POINT:
VAPOR DENSITY (AIR=1): >1	EVAPORATION RATE():

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT: NONE TO BOILING 210 DEG F	METHOD USED:
FLAMMABILITY LIMIT: FLAMMABLE SPRAY.	LEL: N A. UEL: N A.
EXTINGUISHING MEDIA: FOAM, DRY CHEMICAL, CARBON DIOXIDE.	
SPECIAL FIRE FIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. COOL FIRE EXPOSED CONTAINERS TO PREVENT RUPTURING.	
UNUSUAL FIRE AND EXPLOSION HAZARDS: EXPOSURE TO TEMPERATURE ABOVE 120 DEG F MAY CAUSE BURSTING.	

SECTION V - REACTIVITY DATA

STABILITY: STABLE.	CONDITIONS TO AVOID: DO NOT EXPOSE TO TEMPERATURES ABOVE 120 DEG. F.
INCOMPATIBILITY (MATERIALS TO AVOID): AVOID CONTACT WITH STRONG OXIDIZING AGENTS.	
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE	
HAZARDOUS POLYMERIZATION: NO.	CONDITIONS TO AVOID: NONE.

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:	INHALATION?	SKIN?	INGESTION?	EYES?
HEALTH HAZARDS (ACUTE AND CHRONIC): EYES: MAY CAUSE SLIGHT IRRITATION BUT DOES NOT INJURE EYE TISSUE. SKIN: JPREQUNT OR PORLONGED CONTACT MAY CAUSE IRRITATION. INHALTION: HARMFUL IF INHALED. INHALATON OF MIST CAN CAUSE IRRITATION OF NASAL AND RESPIRATORY PASSAGES. ABUSIVE OR EXCESSIVE INHALATION MAY CAUSE IRRITATION TO THE UPPER RESPIRATORY TRACT, DIZZINESS, NAUSEA, AND TO THE CENTRAL NERVOUS SYSTEM EFFECTS. INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA AND DIARRHEA. ASPIRATION OF MATERIAL INTO THE LUNGHS CAN CAUSE CEMICAL PNEUMONITIS. MINIMAL TOXICITY.				
CARCINOGENICITY: N.	NTP? N.	IARC MONOGRAPHS? N.	OSHA REGULATED? N.	
SIGNS AND SYMPTOMS OF EXPOSURE: SEE ABOVE.				
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:				
EMERGENCY AND FIRST AID PROCEDURES: EYES: FLUSH WITH LARGE AMOUNTS OF COOL RUNNING WATER FOR AT LEAST 15 MINUTES WHILE HOLDING UPPER AND LOWER LIDS OPEN. IF IRRIATION PERSISTS GET MEDICAL ATTENTION IMMEDIATELY. SKIN: WASH WITH SOAP AND WATER. IF IRRIATION PERSISTS SEEK MEDICAL ATTENTION. INHALTION: REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION IMMEDIATELY. IF BREATHING STOPS GIVE ARTIFICIAL RESPIRATION. INGESTION: DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION IMMEDIATELY.				

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: ALLOW PROPELLANT TO EVAPORATE. MAINTAIN LOCAL EXHAUST AND ADEQUATE VENTILATION. NO SMOKING. KEEP SPARKS, HEAT SOURCES, AND OPEN FLAME FAR AWAY FROM SPILL OR LEAK. COVER WITH ABSORBENT MATERIAL AND SWEEP UP. WASH AREA TO PREVENT SLIPPING. DISPOSE OF SOAKED ABSORBENT MATERIAL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL LAWS.

WASTE DISPOSAL METHOD: AEROSOL CANS, WHEN EMPTIED AND DEPRESSURIZED NORMAL USE, POSE NO DISPOSAL HAZARD AND SHOULD BE RECYCLED CONSULT FEDERAL, STATE, AND LOCAL AUTHORITIES FOR APPROVED PROCEDURES.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: **OTHER:**

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): NONE NEEDED FOR PROPER USE IN ACCORDANCE WITH LABEL DIRECTIONS.

VENTILATION:	LOCAL EXHAUST: Y.	MECHANICAL (GENERAL): Y. (TO MAINTAIN EXPOSURE BELOW TLV(s))
SPECIAL:	OTHER LIMITS:	

PROTECTIVE GLOVES: NONE NEEDED. **EYE PROTECTION:** NONE NEEDED UNLESS SPLASH BACK IS ANTICIPATED.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WORK & HYGIENIC PRACTICES: DO NOT EAT DRINK OR SMOKE IN WORK AREA. WASH HANDS BEFORE EATING.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: DO NOT STORE AT TEMPERATURES ABOVE 120 DEG. F.

OTHER PRECAUTIONS: PLEASE READ AND FOLLOW THE DIRECTIONS ON THE PRODUCT LABEL. THEY ARE YOUR BEST GUIDE TO USING THIS PRODUCT IN THE MOST EFFECTIVE WAY AND THEY ALSO GIVE THE NECESSARY SAFETY PRECAUTIONS TO PROTECT YOUR HEALTH.