

MATERIAL SAFETY DATA SHEETS

IDENTITY (As Used on Label and List): **PROZAP DY-FLY DAIRY AEROSOL 47000-69**

DATE PREPARED: 1/1/02

SECTION I

MANUFACTURER'S NAME: CHEM-TECH, LTD.
4515 FLEUR DR.#303
DES MOINES, IA 50321

EMERGENCY TELEPHONE NUMBER: 1-800-424-9300 CHEMTREC
TELEPHONE NUMBER FOR INFORMATION: 515/287-6778

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity: Common Name(s)	OSHA PEL	ACGIH TLV	% (optional)
Pyrethrin CAS#: 8003-34-7	Unknown	5mg/m ³	0.5 Other limits recommended: None
Piperonyl Butoxide, Tech CAS#: 51-03-6	Unknown	50 mg/m ³	5.0 Other limits recommended: None
Hydrocarbon Mixture CAS#: *	100 ppm	100 ppm	* Other limits recommended: None
1,1 - Difluoro-Ethane(152A) CAS#: 75-37-6	N/E	N/E	* Other Limits Recommended: 1000 TWA (Dupont)

*Trade Secret

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to Know Act of 1986 and of 40 CFR 372:

CAS #	CHEMICAL NAME	% BY WEIGHT
51-03-6	Piperonyl Butoxide Tech	5.0%

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: Aerosol under pressure 60 psi.
VAPOR PRESSURE (mm Hg.): 60 psi @ 70
VAPOR DENSITY (AIR = 1): >1
SPECIFIC GRAVITY (H₂O = 1): .86
MELTING POINT: N/A
EVAPORATION RATE (Butyl Acetate = 1): NA
SOLUBILITY IN WATER: Not Soluble.
APPEARANCE AND ODOR: Yellow to amber liquid under pressure.
Pyrethrin odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (152A): < -50 deg C
FLAMMABLE LIMITS: % by Volume in air (152A)
LEL: 3.9 UEL: 16.9
EXTINGUISHING MEDIA: CO₂, dry chemicals, foam, water fog.
SPECIAL FIRE FIGHTING PROCEDURES:
If material or containers are engulfed in flame they may burst or explode and become projectiles.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
Cans may burst when engulfed in flame and become projectiles.

SECTION V - REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: High heat over 130 deg F.
INCOMPATIBILITY (Materials to Avoid): Heat in excess of 130 deg F.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
Carbon Monoxide, carbon dioxide, Inorganic acids.
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Heat over 130 deg F

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:
INHALATION? Yes SKIN? Yes INGESTION? Yes
HEALTH HAZARDS (Acute and Chronic):
Vapors can replace oxygen and air needed for breathing.
Tearing, shortness of breathing, sneezing, headaches and dizziness.
Drying of skin may occur if frequent contact with liquid.
CARCINOGENICITY:
NTP? IARC MONOGRAPHS? OSHA REGULATED?
Not known to be carcinogenic.

SIGNS AND SYMPTOMS OF EXPOSURE:
See Health Hazards.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
Not known. Possible aggravation if person has pre-existing respiratory problems or pre-existing dermatitis.
EMERGENCY AND FIRST AID PROCEDURES:
EYES: Flush with water for 15 minutes.
SKIN: Wash with soap and water, if indicated.
INHALATION: Remove to fresh air and respirate.
ORAL: Do not induce vomiting. Contact Physician Immediately.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Contain spill. Keep people away. Wear protective clothing. Soak up with absorbent material and put into containers.
WASTE DISPOSAL METHOD:
Read label and dispose of in accordance with local, state and federal regulations.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
Store in original container in a cool, dry secure area.
OTHER PRECAUTIONS: Always read label.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (Specify Type):
Organic vapor cartridge mask approved by NIOSH and MSHA.
VENTILATION:
LOCAL EXHAUST: Yes OTHER: None
MECHANICAL (General): Yes SPECIAL: None
PROTECTIVE GLOVES: Rubber
EYE PROTECTION: Goggles or full face shield
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:
Impervious to oil products, apron, coveralls, shoes, gloves, cap.
WORK/HYGIENIC PRACTICES: Wash hands before eating or smoking.