

MATERIAL SAFETY DATA SHEET

IDENTITY (As used on Label and List): **PROZAP DY-FLY LIVESTOCK SPRAY**

47000-19

Date Prepared: 1/31/01

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	Unknown	5mg/m ³	.06
CAS#: 8003-34-7	Other Limits recommended: None		
Piperonyl Butoxide, Tech	Unknown	>5 mg/m ³	.12
CAS#: 51-03-6	Other Limits recommended: None		
N-Octyl Bicycloheptene			
Dicarboximide(MGK-264)	Unknown	.5 mg/m ³	.20
CAS#: 113-48-4	Other Limits recommended: None		
Petroleum Distillate	Unknown	200 ppm	99.62
CAS#: 64742-96-7	Other Limits recommended: None		

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
THIS PRODUCT CONTAINS NO SECTION 313 CHEMICALS		

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 375 deg F.
VAPOR PRESSURE (mm Hg.): <1@20 deg F
VAPOR DENSITY (AIR = 1): >1
SPECIFIC GRAVITY (H₂O = 1): 0.85
MELTING POINT: N/A
EVAPORATION RATE (Butyl Acetate = 1): NE
SOLUBILITY IN WATER: Not water soluble.
APPEARANCE AND ODOR: Thin, clear, light amber liquid.
Petroleum odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used): 175 deg F. TCC
FLAMMABLE LIMITS:
LEL: 0.9 UEL: 5.0
EXTINGUISHING MEDIA: Foam, CO₂, dry chemicals, water fog.
SPECIAL FIRE FIGHTING PROCEDURES:
Water may be ineffective. Treat as oil fire.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
None. Will burn similar to kerosene.

SECTION V - REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: High heat - Open flames.
INCOMPATIBILITY (Materials to Avoid): None known.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
Carbon Monoxide, smoke. Similar to oil fire.
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: None known

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:

INHALATION? Yes SKIN? Yes INGESTION? Yes
HEALTH HAZARDS (Acute and Chronic):

No significant health hazard is expected under normal usage.
Slight irritation to skin and mucous membrane may result.

CARCINOGENICITY:

NTP? IARC MONOGRAPHS? OSHA REGULATED?

Not known to be carcinogenic.

SIGNS AND SYMPTOMS OF EXPOSURE: Shortness of breath.
Sneezing, tearing, dizziness, skin irritation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
None known.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush with water for 15 minutes.

SKIN: Wash with soap and water.

INHALATION: Remove to fresh air.

ORAL: Do not induce vomiting. **CONTACT PHYSICIAN.**

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR
SPILLED: Keep people away. Wear gloves and protective
clothing. Soak spills with sawdust, earth or other absorbant
material. Dispose of in accordance with local, state and
federal regulations. Clean area with soap, water and
ammonia solution.

WASTE DISPOSAL METHOD:

Read product label. Do not contaminate any body of
water. Contact local, state or federal agency for proper
disposal method.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Store in original container in a cool, dry secure area.

KEEP OUT OF REACH OF CHILDREN.

OTHER PRECAUTIONS: Always read label.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (Specify Type):

Organic vapor cartridge mask.

VENTILATION:

LOCAL EXHAUST: Yes OTHER: None

MECHANICAL (General): Yes SPECIAL: None

PROTECTIVE GLOVES: Impervious or rubber

EYE PROTECTION: Goggles or shield

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Apron or clothing impervious to oil.

WORK/HYGIENIC PRACTICES:

Wash hands before eating or smoking. Do not wear
contaminated articles to clean area.