

----- **MATERIAL SAFETY DATA SHEETS** -----

IDENTITY (As Used on Label and List): **Prozap LD 44T Insect Killer 47000 - 7**

DATE PREPARED: March 15, 2002

**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<br>CAS #: 8003-34-7                                     | Unknown  | 5mg/m <sup>3</sup>  | 1.0<br>Other Limits recommended: None     |
| Piperonyl Butoxide Tech<br>CAS #: 51-03-6                         | Unknown  | 50mg/m <sup>3</sup> | 2.0<br>Other Limits recommended: None     |
| N-Octyl Bicyclheptene<br>Dicarboximide<br>CAS #: 136-45-8         | Unknown  | 5mg/m <sup>3</sup>  | 3.0<br>Other Limits Recommended: None     |
| 2-Propanone<br>CAS #: 67-64-1                                     | Unknown  | 500PPM              | 30 - 60<br>Other Limits recommended: None |
| Hydrocarbon Propellant<br>CAS #: 74-98-6                          | Unknown  | 1000PPM             | 10 - 30<br>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 |
|---------|--------------------------|-------------|
| 51-03-6 | Piperonyl Butoxide Tech. | 2.0%        |

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

BOILING POINT: Liquid under pressure N/A  
VAPOR PRESSURE (mm Hg.): PSI at 70 deg F. 60  
VAPOR DENSITY (AIR = 1): N/A  
SPECIFIC GRAVITY (H<sub>2</sub>O = 1): .71  
MELTING POINT: N/A  
EVAPORATION RATE (Butyl Acetate = 1): N/A  
SOLUBILITY IN WATER: <1%  
APPEARANCE AND ODOR: Liquid is light amber, clear. Odor of aerosol spray is sweet petroleum type.

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (Method Used): -100 deg F (Estimated)  
FLAMMABLE LIMITS: Not Established  
LEL: 1.8 UEL: 9.5  
EXTINGUISHING MEDIA: CO<sub>2</sub>, dry chemical, halocarbon, water fog.  
SPECIAL FIRE FIGHTING PROCEDURES: Cool containers with water. Be aware that containers may burst violently in the presence of heat or flames.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and may travel to an ignition source and flash back.

**SECTION V - REACTIVITY DATA**

STABILITY: Stable - Under normal conditions.  
CONDITIONS TO AVOID: High heat, open flame  
INCOMPATIBILITY (Materials to Avoid): None known.  
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: None- Except in case of fire liberates normal oil combustion products, C and CO.  
HAZARDOUS POLYMERIZATION: Will not occur  
CONDITIONS TO AVOID: None

**SECTION VI - HEALTH HAZARD DATA**

ROUTE(S) OF ENTRY:  
INHALATION? Yes SKIN?--Yes----- INGESTION?--Yes-----  
HEALTH HAZARDS (Acute and Chronic):  
This product is not normally a serious hazard under normal conditions, but if over exposure occurs, treat with first aid as below and get patient to a physician. Vapor is heavier than air and slightly irritating to mucous membranes.  
CARCINOGENICITY:  
NTP? IARC MONOGRAPHS? OSHA REGULATED?  
Not known to be carcinogenic.  
SIGNS AND SYMPTOMS OF EXPOSURE:  
Sneezing, eyes watering, runny nose, possible shortness of breath.  
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:  
Some breathing disorders. Consult physician.  
EMERGENCY AND FIRST AID PROCEDURES:  
EYES: Flush with water for 15 minutes.  
SKIN: Wash thoroughly with soap and water.  
INHALATION: Remove to fresh air.  
ORAL: Do not induce vomiting and consult physician.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Soak spilled material up with absorbent and put into container for proper disposal at approved landfill.  
WASTE DISPOSAL METHOD:  
Dispose of waste at approved landfill.  
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:  
Store in original container in a cool, dry secure area.  
OTHER PRECAUTIONS:  
READ LABEL - KEEP FROM REACH OF CHILDREN

**SECTION VIII - CONTROL MEASURES**

RESPIRATORY PROTECTION (Specify Type):  
If working around aerosol mist for long periods of time, use organic vapor mask.  
VENTILATION:  
LOCAL EXHAUST: Desired OTHER: None  
MECHANICAL (General): Desired SPECIAL: None  
PROTECTIVE GLOVES: Wear gloves when cleaning up spills.  
EYE PROTECTION: Goggles or glasses optional.  
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:  
None  
WORK/HYGIENIC PRACTICES:  
Wash hands after handling and before eating or smoking.