

# ----- MATERIAL SAFETY DATA SHEET -----

IDENTITY (As Used on Label and List): **SPECKOZ Z-55 KDRN INSECTICIDE 47000-73-72113**

DATE PREPARED: September 21, 2006

## 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<br>(Specific Chemical<br>Identity: Common Name(s)) | OSHA<br>PEL                                 | ACGIH<br>TLV         | %<br>(optional) |
|---|---|----------------------|-----------------|
| Pyrethrin   | Unknown                                     | 5mg/m <sup>3</sup>   | 0.5             |
| CAS#: 8003-34-7   | Other limits recommended: None              |                      |                 |
| Piperonyl Butoxide, Tech  | Unknown                                     | 50 mg/m <sup>3</sup> | 1.0             |
| CAS#: 51-03-6   | Other limits recommended: None              |                      |                 |
| MGK 264   | Unknown                                     | 5mg/m <sup>3</sup>   | 1.0             |
| (N-Octyl bicycloheptene dicarboximide)                                  | Other limits recommended: None              |                      |                 |
| CAS# 113-48-4   | 100 ppm                                     | 100 ppm              | *               |
| Hydrocarbon Mixture   | Other limits recommended: None              |                      |                 |
| CAS#: *   | N/E   | N/E                  | *               |
| 1,1 - Difluoro-Ethane(152A)   | Other Limits Recommended: 1000 TWA (Dupont) |                      |                 |
| CAS#: 75-37-6   |   |                      |                 |

\*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 |
|----------------|--------------------------------|-------------|
| <b>51-03-6</b> | <b>Piperonyl Butoxide Tech</b> | <b>1.0%</b> |

## 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 (H<sub>2</sub>O = 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: CO<sub>2</sub>, 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 respire.  
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.  
**READ LABEL. KEEP OUT OF REACH OF CHILDREN.**  
OTHER PRECAUTIONS: Always read label.

## SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (Specify Type):  
Not required, avoid breathing vapors.  
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.