

# MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

## IDENTITY AND MANUFACTURER'S INFORMATION

**NFPA Rating:** Health-2; Flammability-3;  
Reactivity-0; Special--  
Manufacturer's Name:

**CHEMCO INDUSTRIES, INC.**

Address: 5731 Manchester Ave  
St. Louis, MO 63110

**HMIS Rating:** Health-2; Flammability-3; Reactivity-0; Personal Protection-A

**DOT Hazard Classification:** ORM-D

**Identity** (trade name as used on label):

## CHEMCO INSECT REPELLENT II

Date Prepared: January 05, 2006

NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA

Information Calls: (314) 647-1888

**EMERGENCY RESPONSE NUMBER: 1(800)  
854-4236**

## SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
<b>ISOBUTANE / PROPANE BLEND</b>	75-28-5	No	800	800	d
74-98-6	No	1000	1000		d
<b>ISOPROPANOL</b>	67-63-0	No	400	400	d
<b>ACETONE</b>	67-64-1	No	1000	750	d
<b>Insecticide Concentrate Including:</b>					
<b>DEET</b>	134-62-3	No	N/E	N/E	d
<b>DI-N-PROPYL ISOCINCHOMERONATE</b>	136-45-8	No	N/E	N/E	d
<b>N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE</b>	113-48-4	No	N/E	N/E	d

## SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

**Boiling Point:** N/A

**Specific Gravity** (H<sub>2</sub>O=1): Concentrate Only = .860

**Vapor Pressure:** PSIG @ 70°F (Aerosols): Max.  
60

**Vapor Pressure** (Non-Aerosols)(mm Hg and Temperature): N/A

**Vapor Density** (Air = 1): N/E

**Evaporation Rate** ( = 1): N/E

**Solubility in Water:** Partial

**Water Reactive:** No

**Appearance and Odor:** Clear spray with ethereal odor.

## SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY** as per USA FLAME

Auto Ignition

Flammability Limits in Air by % in Volume:

**PROJECTION TEST** (aerosols) **FLAMMABLE**

Temperature

% LEL: N/E % UEL: N/E

N/E

**FLASH POINT AND METHOD USED** (non-aerosols): N/A

**EXTINGUISHER MEDIA:** Foam, dry chemical, carbon dioxide, water spray or fog.

**SPECIAL FIRE FIGHTING PROCEDURES:** Self-contained breathing apparatus.

**Unusual Fire & Explosion Hazards:** Do not expose aerosols to temperatures above 130°F or the container may rupture.

## SECTION 4 - REACTIVITY HAZARD DATA

**STABILITY** [ X ] STABLE [ ] UNSTABLE

**HAZARDOUS POLYMERIZATION** [ ] WILL [ X ] WILL NOT OCCUR

**Incompatibility** (Mat. to avoid): Strong oxidants, anhydride & isocyanate, plastics, acetate & rayon.

**Conditions to Avoid:** Open flame, welding arcs, heat, sparks.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide.

## SECTION 5 - HEALTH HAZARD DATA

**PRIMARY ROUTES OF ENTRY:** [ X ] INHALATION [ ] INGESTION [ X ] SKIN ABSORPTION [ ] EYE [ ] NOT HAZARDOUS

### ACUTE EFFECTS:

**Inhalation:** Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.

**Eye Contact:** Mild irritation. (Avoid eye contact). **Skin Contact:** May aggravate existing skin conditions.

**Ingestion:** Possible chemical pneumonitis if aspirated into lungs. Nausea.

**CHRONIC EFFECTS:** (Effects due to excessive exposure to the raw materials of this mixture) May cause kidney or liver damage (lab animal data).

**Medical Conditions Generally Aggravated by Exposure:** May aggravate existing eye, skin, or upper respiratory conditions.

**Note:** MUST follow label instructions closely if used on children.

## EMERGENCY FIRST AID PROCEDURES

**Eye Contact:** Flush with water for 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Skin Contact:** Wash with soap and water. If irritated, seek medical attention.

**Inhalation:** Remove to fresh air. Resuscitate if necessary. Get medical attention.

# MATERIAL SAFETY DATA SHEET

**Ingestion:** DO NOT INDUCE VOMITING. Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

## SECTION 6 - CONTROL AND PROTECTIVE MEASURES

**Respiratory Protection (specify type):** None, if vapor concentration kept below TLV.

**Protective Gloves:** None

**Eye Protection:** Safety glasses recommended. Do not spray into eyes.

**Ventilation Requirements:** Local exhaust to keep vapors dispersed.

**Other Protective Clothing & Equipment:** None

**Hygienic Work Practices:** Wash with soap and water before handling food. Remove contaminated clothing.

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

**Steps To Be Taken If Material Is Spilled Or Released:** Absorb with suitable medium. Incinerate or landfill according to local, state or federal regulations. DO NOT FLUSH TO SEWER.

**Waste Disposal Methods:** Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.

**Precautions To Be Taken In Handling & Storage:** Do not puncture or incinerate containers. Do not store at temperatures above 130°F.

**Other Precautions &/or Special Hazards:** KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Avoid breathing vapors. Remove ignition sources. Avoid contact with plastic such as eyeglass frames and such fabrics as acetate and rayon.

This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Chemco Industries, Inc. assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material such vendees or users assume all risks associated with the use of this material

\*\* Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only