

**BEST AVAILABLE COPY**

# PYRONOX OIL CONCENTRATE #1-2-3

For Use by Trained Personnel Only

### DIRECTION FOR USE

It is a violation of the Federal Law to use this product in a manner inconsistent with its label.

### STORAGE AND DISPOSAL

1. **Prohibitions**—Do not consume, use over food or feed by storage or disposal. Open flames are prohibited.
2. **Prohibited Disposal**—Pour into storm water or into water that cannot be used according to local regulations must be disposed of according to applicable Federal, State or Local procedures.
3. **Container Disposal**—Keep away from buildings, then after for recycling or reconditioning or structure and disposal of a facility owned or by other approved State and Local procedures.
4. **General**—Consult Federal, State or Local Department Authorities for approved alternate procedures.

**NEVER USE AS A SPACE SPRAY (MIST).** The use of this product in food processing or food handling establishments should be confined to time periods when the plants or facilities are not in operation. Foods should be removed or covered during treatment. All food processing surfaces should be covered during treatment or thoroughly cleaned before using.

Cross windows and doors and shut all ventilation systems. Use a fogger or sprayer adjusted to deliver an aerosol spray the droplets over 50 microns in diameter and 80% less than 20 microns. Apply at a rate of 1/2 ounce per 1,000 cubic feet of space. Direct the spray toward the ceiling and upper corners of the area behind obstructions. Keep the area closed for at least 15 minutes. Vacuum the treated area and ventilate before reoccupying. Repeat treatment as necessary. Sweep up and destroy fallen insects.

This method of application will control exposed, accessible stages of FLIES including FRUIT FLIES, MOSQUITOES, SMALL FLYING MOTHS, GNATS WASPS, HORNETS, CLOVER MITES, CHEESE MITES, CHEESE SKIPPERS, BOXLEADER BUGS, EARWIGS, ANTS and the following common stored product pests: GRANARY WEEVILS, RICE WEEVILS, CONFUSED FLOUR BEETLES, SAW-TOOTHED GRAM BEETLES, SPIDER BEETLES, CIGARETTE BEETLES, DRUGSTORE BEETLES, ANGIOMORPH GRAM MOTHS, MEDITERRANEAN FLOUR MOTHS, INDIAN MEAL MOTHS, TOBACCO MOTHS, YELLOW MEAL WORMS, DARK MEAL WORMS, GRAM MITES, CADELLES and RED FLOUR BEETLES.

**INSECT FRUIT PRODUCTS** in storage or being processed, for control of CONFUSED FLOUR BEETLES, DRIED FRUIT BEETLES, INDIAN MEAL MOTHS, AND SAW-TOOTHED GRAM BEETLES. Remove and destroy infested products. As noted above, use this product as a fog mist in the air above the bins and shelves. Do not apply to food directly. Use one-half ounce per 1,000 cubic feet of space. Repeat application of this dosage in any given month. Leave the room closed for one hour. Do not remain in treated areas and ventilate the area before re-entry. Sweep up and destroy fallen insects.

**FRUIT FLIES** (Control on multi-wall bags or cloth bags) in warehouses, storage rooms, meat shops, grain elevators, or dairies for control of ANGIOMORPH GRAM MOTHS, CADELLES, CONFUSED FLOUR BEETLES, INDIAN MEAL MOTHS, MEDITERRANEAN FLOUR MOTHS, RICE WEEVILS, SAW-TOOTHED GRAM BEETLES, YELLOW MEAL WORMS, CHEESE MITES, CHEESE SKIPPERS, CIGARETTE BEETLES, GRAM MITES, GRANARY WEEVILS, DARK MEAL WORMS, RED FLOUR BEETLES. Remove and destroy infested products. As noted above, for pest that infest bins by directing spray into corners, under pallets, and around stacks of packaged loads being as many insects as possible and then treat in a space spray.

Insected stored products should be fumigated or treated by other effective methods using an approved product labeled for this purpose. Use a dosage of one-half ounce per 1,000 cubic feet of space. Do not remain in treated area and ventilate area before re-entry. This application will kill accessible, exposed stages of these stored product pests listed above. Sweep up and destroy fallen insects.

**NEVER USE IN A SPACE SPRAY (MIST).** For use in commercial mechanical logging systems to kill FLIES, FRUIT FLIES, MOSQUITOES, SMALL FLYING MOTHS, AND GNATS. Control of exposed, accessible food and food handling surfaces. Check speed and amount of air flow from mechanical logging system equipment. Dilute 1 part concentrate plus 29 parts of purified hydrogen peroxide and mix well. Apply at the rate of 1 to 2 fluid ounces per 1,000 cubic feet during the room and walk out. Keep area closed for at least 15 minutes. Vacuum treated area and ventilate before reoccupying. Repeat treatment when reinfestation occurs.

### High Warning

Some states or counties, approved or imposed, restricting the use of this product after than indicated on this label. Buyer assumes all risk of use under handling of this material when such use is not handling in conformity to label instructions.

**CONTROLS:** Angoumois Grain Moth, Ants, Boxelder Bugs, Caddises, Cheese Mites, Cheese Skippers, Cigarette Beetles, Clover Mites, Confused Flour Beetles, Dark Meshworms, Deer Flies, Dried Fruit Beetles, Drugstore Beetles, Earwigs, Fruit Flies, Fungus Gnats, Gnats Grain Mites, Granary Weevils, Horn Flies, Horns, Horse Flies, Indian Meal Moths, Lice, Mediterranean Flour Moths, Mosquitoes, Mushroom Flies, Red Flour Beetles, Rice Weevils, Saw-toothed Grain Beetles, Small Flying Moths, Spider Beetles, Stab's Flies, Tobacco Moths, Wasps, Yellow Mealworms.

### ACTIVE INGREDIENTS:

Pyrethrins	1.00%
Pyrethrin Butoxide Technical*	2.00%
N-Octyl bicycloheptene dicarboximide	2.94%
<b>INERT INGREDIENTS</b>	
Petroleum Distillates	94.06%
<b>TOTAL</b>	<b>100.00%</b>

Consists of 1.60% (butylcarbityl) (6-propylperonyl) Ether and 0.40% related compounds.

### PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
**CAUTION**

HAZARDOUS IF SWALLOWED. AVOID BREATHING VAPOR. AVOID CONTACT WITH SKIN, EYES, OR CLOTHING. WEAR MASK OR RESPIRATOR OF TYPE RECOMMENDED BY NIOSH TO GIVE ADEQUATE PROTECTION AGAINST THIS MATERIAL. WEAR PROTECTIVE CLOTHING. WASH EXPOSED SKIN WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING. WASH ALL CONTAMINATED CLOTHING WITH SOAP AND WATER, SEPARATELY FROM OTHER CLOTHING, BEFORE RE-USE.

Do not apply directly to food. In commercial food handling facilities, cover or remove any food and food processing equipment during application. Do not apply while food processing is underway. After space spraying in meat packaging plants, bakeries and other food processing plants, wash all equipment, benches, shelving, etc., where exposed food will be handled, with potable water in the home, all food processing surfaces and utensils should be covered during treatment, or thoroughly washed before use.

Remove bats, birds and cover with aquariums before spraying.

### STATEMENT OF PRACTICAL TREATMENT

- Instructed - Call a Physician or Poison Control Center immediately. Gastric lavage is indicated if material was taken internally. DO NOT INDUCE VOMITING. Vomiting may cause aspiration pneumonia.
- Inhaled - Remove victim to fresh air. Apply resuscitation if indicated.
- In skin - Remove contaminated clothing and wash affected area with soap and water.
- In eyes - Flush eyes with plenty of water. Call a physician if irritation persists.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Keep out of water, ponds or streams. Do not contaminate water by cleaning of equipment or disposal of waste.

### PHYSICAL HAZARDS

Do not store near food or feed items.

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**  
Harmful if swallowed  
See this panel for additional precautionary statements.

EPA REG. NO. 45385-48  
EPA EST. NO. 45385-1L-01

ORDER CODE - OC-518

CHEM-TOX, INC.  
BARRINGTON, ILL. 60010

ACCEPTED  
with COMMENTS  
to EPA Letter Dated

MAR 22 1985

Under the  
Pesticide  
Registration Act  
this pesticide  
was registered under EPA Reg. No.  
45385-48

NET CONTENT \_\_\_\_\_

BATCH NO. \_\_\_\_\_

**Directions for Use (Continued)**  
DILUTE TO USE: To ensure maximum control of breeding insects (FLIES, MOSQUITOES, SMALL FLYING MOTHS, GNATS, WASPS, HORNETS, LICE, AND ANGIOMORPH GRAM MOTHS) in stored grain, apply to the surface of treated grain at a rate of 1 gallon per 1,000 square feet. Apply at monthly intervals with the first appearance of moths and continuing until early fall. In case of severe infestation, treat with 2000 ppm (1.0% active ingredient) of this product in two applications. Apply to the top of the grain and make a second application in two weeks. As an aid in control of MOSQUITOES (GNATS WASPS AND SKIPPERS) treat in the ceilings, moldings, screens, door and window frames, beams, light cords and similar resting places.

**ANIMAL QUARTERS (Cattle barns, horse barns, poultry houses, and horse sheds)** As a space spray should be used on conventional mechanical logging equipment to kill FLIES, MOSQUITOES, SMALL FLYING MOTHS, AND GNATS dilute 1 part concentrate plus 29 parts of purified hydrogen peroxide and mix well. Apply at the rate of 2 fluid ounces per 1,000 cubic feet of space above the animals. Direct spray toward the upper portions of the enclosure being the room with roof trap or ceiling fan for best results. Vacuum treated area and ventilate before reoccupying. Area of treatment when reinfestation occurs as in any previous treatment and re-occupy. In case of MUSHROOM FLIES or FUNGUS GNATS in growing houses, dilute 1 part of concentrate plus 29 parts of hydrogen peroxide and mix well and apply at a rate of 1 ounce per 1,000 cubic feet of space. Fogger should be operated for 10 feet away from body and should be directed slightly upward over them. Circulating fans should be left in operation, but for best results, ventilation should be turned off in each barn and covering plants use 1/2 rate of one-half ounce per 1,000 cubic feet of space in normally inspected meat and poultry plants. Use with ULV spraying device at the rate of one ounce per 1,000 cubic feet of room space. Apply the spray into all cracks and crevices in woodwork walls. Doors under no lock should be closed and in all places where these insects shelter. Contact as many insects as possible. Repeat as necessary in the event of reinfestation. In accessible stages of MOSQUITOES, SILVERISH WATERBUGS, EARWIGS, ANTS, SKIPPERS, FLIES, FRUIT FLIES, MOSQUITOES, SMALL FLYING MOTHS AND GNATS before using exposed food products and packaging materials must be covered or removed. After use, equipment and utensils must be thoroughly rinsed with potable water before operations are resumed. Use as a space spray only when plant is not in operation.

**BETWEEN ROOMS APPLICATION (WHOLE)** To control ADULT MOSQUITOES, GNATS AND SMALL FLYING MOTHS for best results, apply when there is a light breeze of approximately 5 mph and temperature is cool (75° or less). Use a ULV spraying device spray at a dosage rate of 5 ounces per minute up and out of the area to be controlled. If the equipment is back-spraying, keep the speed to 2 mph or less. 5 mph with a 2000 width of coverage is more than 300 feet. To control MOSQUITO LARVAE dilute at the rate of 15 ounces per 50 gallons of oil and apply at the rate of 2000 50 gallons per acre. Apply in a case to water spray to the border or on shallow water of wet lands, so temps and marshes where mosquitoes lay their eggs and breed.

**TO MAXIMIZE THE EFFECT OF APPLICATION** to kill FLIES, MOSQUITOES and SMALL FLYING MOTHS IN BATHROOMS. The above mentioned application for outdoor ground application will afford temporary reduction of many pests from these areas in public gathering places (picnics, restaurants, drive-in theaters, golf courses, municipalities, parks, playgrounds and recreational areas). Best applications into tall grass, shrubbery, etc., should last a where these pests may hover or feed, apply while as it still. Avoid wetting foliage. Applications should be made prior to infestation. Repeat as necessary.

To additional outdoor areas (porches, food bins, trash cans and food cover water, drinking fountains and animal food buckets use. Fall area with most, do some applications into tall grass, shrubbery and ground cover where these pests may hover or feed, apply while as it still. Avoid wetting foliage in trees, ground exposure of residues to the product. Repeat as necessary.

**FOR USE IN BATHROOMS** To protect food and dairy cattle from and dogs from MOSQUITOES, HOUSE FLIES, MOSQUITOES AND GNATS, dilute 1 part of concentrate plus 29 parts of purified hydrogen peroxide and mix well. Apply 1 light mist, sufficient to wet the top of this hair. To control STABLE FLIES, HORSE FLIES AND BEET FLIES on head and dairy cattle and horses, apply 2 ounces per adult head of livestock to wet the hair but not to reach the face. Repeat treatment once or twice daily or at intervals to give increased protection.

To control the most stages of BROWN SUCKING LICE on beef and dairy cattle, apply the spray to the body and the hair. Use 2 ounces or less per animal and repeat 2 to 3 weeks as required.