

SAFETY DATA SHEETS

This SDS packet was issued with item:

078392657

N/A

Material Safety Data Sheet

DOT	HCS Risk Phrases	Protective Clothing
ORM-D	Signal word: Caution	

Section 1: Product Identification and Uses

Common/Trade name	Catron® IV (EPA Reg. No.: 61483-71 or 4691-122)	CI#	Not available
Synonyms	Not available	TSCA	TSCA inventory: No products found.
Chemical name	Not applicable	CAS#	Not applicable
Chemical formula	Not available	Code	MSDS ID#: E97PR122A
Chemical family	Combination Insecticide	Molecular weight	Not available
Supplier	KMG-Bernuth, Inc. 10611 Harwin Drive Suite 402 Houston, TX 77036-1534	Manufacturer	KMG-Bernuth, Inc. 502 South 15 th Street P.O. Box 80 Elwood, KS 66024
Material uses	Domestic Animal Insecticide.		

Section 2: Hazardous Ingredients

Name	CAS#	% by Weight	TLV/PEL	LC50 / LD 50
1)Permethrin	052645531	.50	Not available	Not available
2)Isobutane	72285	13.3	800 ppm NIOSH	Not available
3)Propane	74986	3.3	1000 ppm NIOSH	Not available

Section 3: First Aid Measures

Eye contact	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
Skin contact	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Hazardous skin contact	No additional information
Slight inhalation	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
Hazardous inhalation	No additional information
Slight ingestion	Call physician or poison control center immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.
Hazardous ingestion	No additional information

Section 4: Physical Data

Physical state and appearance	Liquid	Odor	Mild, mothball-like odor (Slight)
PH (1% soln/water)	7 [Neutral]	Taste	Not available

Odor threshold	Not available	Color	Milky white
Volatility	41% (v/v)		
Melting/Sublimation point	Not available		
Boiling/Condensation point	Not available		
Specific gravity (Water=1)	0.79 (prefill)		
Vapor density	Not available		
Vapor pressure	Not available		
Water/oil dist. Coeff.	Not available		
Ionicity (surface active agent)	Not available		
Critical temperature	Not available		
Instability temperature	Not available		
Conditions of instability	No additional remark		
Dispersion properties	Not available		
Solubility	Not available		

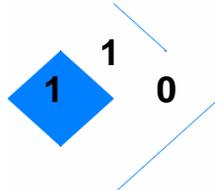
Section 5: Fire and Explosion Data

The product is:	Combustible above 130°F
Auto-ignition temperature	Not available
Fire degradation products	These products are carbon oxides (CO, CO2).
Flash points	Not available
Flammable limits	Not available
Fire extinguishing procedures	SMALL FIRE: Use DRY chemicals, CO2, water spray or foam. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet. As in any fire, wear a NIOSH/MSHA approved self-contained breathing apparatus along with full protective gear. Contain run-off water from fire fighting if possible for proper disposal.
Flammability	Combustible above 130°F
Risks of explosion	Explosive in presence of heat above 130°F. Contents under pressure.

Section 6: Reactivity Data	
Stability	The product is stable. Protect from heat and open flame. Containers may burst at temperatures above 130°F.
Hazardous decomp. products	When heated to decomposition, ingredients can emit acrid smoke and irritating fumes.
Degradability	Not available
Product of degradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. The product itself and its products of degradation are not toxic.
Corrosivity	No specific information is available in our database regarding the corrosivity of this product in the presence of various materials.
Reactivity	Protect from heat and open flame.

Section 7: Toxicological Properties	
Routes of entry	Absorbed through skin, ingestion, inhalation
TLV	Not available
Toxicity for animals	Toxic to fish
Environmental hazards	Toxic to fish, do not apply directly to water.
Chronic effects on humans	CARCINOGENIC EFFECTS: National Toxicology Program: No I.A.R.C. Monographs: No OSHA: No MUTAGENIC EFFECTS: Not available TERATOGENIC EFFECTS: Not available DEVELOPMENTAL TOXICITY: Not available. There is no known effect from chronic exposure to this product. Repeated or prolonged exposure is not known to aggravate medical condition.
Acute effects on humans	Harmful if swallowed, absorbed through skin or inhaled. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before smoking or eating. Remove contaminated clothing and wash before reuse. Large, toxic doses administered to lab animals have produced central nervous system effects with symptoms that include diarrhea, salivation, bloody nose, tremors and intermittent convulsions. Over exposure via inhalation also produced hyperactivity and hypersensitivity. The carrier if ingested in large doses may cause intoxication.

Section 8: Preventive Measures	
Waste information	Dispose of according to all applicable state and local regulations. Do not puncture or incinerate. Place empty container in trash or offer for recycling if available.
Waste stream	Not available
Storage	Store in a cool, dry place away from children. Store above freezing and protect from high temperatures. Exposure to temperatures above 130°F may cause container to burst. Keep container and material away from heat, sparks and open flame.
Precautions	Keep out or reach of children. Avoid breathing vapors. Read and follow directions on product label. Do not contaminate water by disposal of equipment wash water.
Small spill and leak	Eliminate all ignition sources. Wear chemical resistant gloves and impervious clothing. Eye protection is recommended. A NIOSH or MSHA approved self-contained breathing apparatus is recommended if concentrations are unknown.
Large spill and leak	Combustible material. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
Protective Clothing	Splash goggles, gloves

Section 9: Classification									
DOT	Consumer Commodity, ORM-D								
Maritime transportation	Not applicable								
HCS	Signal word: Caution								
Federal and State Regulations	Not applicable								
HMIS (U.S.A.)	<table border="1"> <tr> <td>Health Hazard</td> <td>1</td> </tr> <tr> <td>Fire Hazard</td> <td>1</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> <tr> <td>Personal Protection</td> <td>B</td> </tr> </table> <p>National Fire Protection Association (U.S.A.)</p>  <p>Fire Hazard Reactivity Specific hazard</p>	Health Hazard	1	Fire Hazard	1	Reactivity	0	Personal Protection	B
Health Hazard	1								
Fire Hazard	1								
Reactivity	0								
Personal Protection	B								

Section 10: Protective Measures	
Protective clothing	Safety goggles, gloves.
Engineering controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Section 11: Other Information	
References	Not available
Updated: 1/19/07	

KMG: (800) 322-8177



Chemtrec: (800) 424-9300 (Emergency Spill Response)

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Catron® IV, EPA Reg. No.:61483-71

Material Safety Data Sheet

CATRON® IV

Version: Revision 1

Date Issued: 08/15/11

MSDS No. 6148371

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY: KMG- Bernuth, Inc.
9555 W Sam Houston Pkwy S., Suite 600
Houston, Texas 77099-2145
PHONE NUMBER: 800-322-8177
EMERGENCY PHONE: CHEMTREC: 1-800-424-9300
NAME USED ON LABEL: CATRON® IV

PRODUCT USE: Domestic Animal Insecticide

CATRON is a Trademark of KMG-Bernuth, Inc.

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>IDENTITY</u>	<u>CAS NUMBER</u>	<u>TYPICAL %</u>	<u>OTHER INFORMATION</u>
Permethrin	52645-53-1	0.50 %	
Isobutane	72-28-5	13.30 %	
Propane	74-98-6	3.30%	

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

SECTION 3: HAZARDS IDENTIFICATION

PHYSICAL HAZARDS: Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130° F may cause bursting.

HEALTH HAZARDS: CAUTION. **This product is not for use on humans.** Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing vapors or spray mist. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating or smoking.

SECTION 4: FIRST AID MEASURES

IF SWALLOWED: Immediately call a poison control center or doctor for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person

IF ON SKIN: Remove contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 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.

IF INHALED: Move person to fresh air. If person not breathing, call 911 or an ambulance then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

HOTLINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-322-8177 for emergency medical treatment.

MATERIAL SAFETY DATA SHEET

CATRON® IV

SECTION 5: FIREFIGHTING MEASURES

FLASH POINT: 66.1° C (151° F)

AUTOIGNITION TEMPERATURE: Not applicable

FLAMMABLE LIMITS (STP): Not applicable

EXTINGUISHING MEDIA: For small fire, use dry chemical, carbon dioxide, water spray or foam. For large fire, use water spray, fog or foam. Do not use water jet. Contain run-off to prevent contamination of surface waters.

PROTECTIVE EQUIPMENT: Self-contained breathing apparatus with full facepiece and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

HMS RATING: Health 1 Fire 1 Reactivity 0 PPE B

NFPA RATING: Health 1 Fire 1 Reactivity 0

SECTION 6: ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak: Wear long-sleeved shirt and long pants, rubber boots over shoes and socks, chemical resistant waterproof gloves, protective chemical safety goggles and a NIOSH-approved pesticide organic vapor respirator or air-supplied respirator. Sweep up spilled material and place in an approved chemical container. Use non-sparking tools and remove ignition sources.

Wash the spill area with water and absorb on absorbent material, sweep up and place in a disposal container. Wash area with detergent and absorb liquid and sweep up and place into container. Seal the container and handle in an approved manner.

Flush the area with water to remove any residue. Contain any washwaters. Do not allow washwaters to contaminate surface waters and do not flush to sewer systems.

For disposal, refer to Section 13, Disposal Considerations.

SECTION 7: HANDLING AND STORAGE

DO NOT contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE : Store in a cool, dry area. Do not transport or store below 32°F. Protect from freezing.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CAUTION. Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing vapors or spray mist. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating or smoking. Do not apply this product in a way that contact workers, either directly or through drift.

MATERIAL SAFETY DATA SHEET

CATRON® IV

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION - CONTINUED

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Manufacturer recommendations are:

Applicators and other handlers supporting application wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical resistant gloves
- Protective eyewear

USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

OCCUPATIONAL EXPOSURE LIMITS:

AEL Recommended	Not available
ACGIH TLV	Not established
OSHA PEL	Not established

OCCUPATIONAL EXPOSURE STANDARDS: Not established

VENTILATION: Provide exhaust ventilation or other engineering controls to keep exposure to airborne contaminants below the exposure limit.

EYE PROTECTION: See **PERSONAL PROTECTIVE EQUIPMENT (PPE)** above.

BODY PROTECTION: See **PERSONAL PROTECTIVE EQUIPMENT (PPE)** above.

RESPIRATORY PROTECTION: None required but recommend MSHA-NIOSH approved respirator for organic vapors.

OTHER PROTECTIVE EQUIPMENT: Eyewash station and safety shower in work area.

MATERIAL SAFETY DATA SHEET

CATRON® IV

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

FORMULATION:	Aerosol
PHYSICAL STATE:	Pressurized viscous liquid
COLOR:	Violet
ODOR:	Slight moth ball-like
BOILING POINT:	Not available
MELTING POINT:	Not available
FREEZING TEMPERATURE:	Not available
VAPOR PRESSURE:	Not available
VAPOR DENSITY:	48.3 (Air = 1)
EVAPORATION RATE:	Not available
SPECIFIC GRAVITY:	0.951
BULK DENSITY:	7.94 lb/gal
SOLUBILITY IN OIL:	Not available
pH VALUE:	4.06 (1% w/w) (Prefill)
VISCOSITY:	23418.173 Centistokes @ 20°C (Prefill) 13272.797 Centistokes @ 40°C)Prefill)
% VOLATILES:	41.1% (v/v)

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable
CONDITIONS TO AVOID:	Protect from heat and open flame. Containers may rupture at temperatures above 130° F.
MATERIALS TO AVOID:	Strong acids
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon. Incomplete combustion may lead to formation of carbon monoxides and/or other asphyxiates.
HAZARDOUS POLYMERIZATION:	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE ORAL LD₅₀ (RAT):	3800 mg/kg (Permethrin Active Ingredient)
ACUTE DERMAL LD₅₀ (RAT):	Not available
ACUTE INHALATION (RAT – 4 HR LC₅₀):	Not available
PRIMARY EYE IRRITATION (RABBIT):	Non-irritating
PRIMARY DERMAL IRRITATION (RABBIT):	Moderate irritant
DERMAL SENSITIZATION :	Not a sensitizer.

EFFECTS OF OVEREXPOSURE:

Acute overexposure may result in mild irritation to eyes and skin. If swallowed, may cause vomiting and/or diarrhea.

Chronic overexposure: At high exposure levels, the active ingredient in this product has been reported to cause reversible skin numbness or tingling, skin irritation, and sensitivity, central nervous system depression, respiratory irritation, dizziness, intoxication and narcosis. No known carcinogenic, mutagenic, teratogenic, or developmental toxicity effects.

SECTION 12: ECOLOGICAL INFORMATION

This pesticide is extremely toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Apply this product only as specified on its label. Do not contaminate water by cleaning of equipment or disposal of wastes.

MATERIAL SAFETY DATA SHEET

CATRON® IV

SECTION 13: DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Do not puncture or incinerate. Call your local solid waste agency for disposal instructions.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Do not puncture or incinerate. Place in trash or offer for recycling, if available.

SECTION 14: TRANSPORT INFORMATION

Follow the precautions indicated in the Handling and Storage Section, Section 7 of this MSDS

DOT PROPER SHIPPING NAME: ORM-D

FREIGHT DESCRIPTION: Agricultural Insecticide, Aerosol , N.O.S.

IATA/CAO CLASSIFICATION: Not available

IMO CLASSIFICATION: Not available

SECTION 15: REGULATORY INFORMATION

UNITED STATES EPA: EPA Reg. No. 61483-71
EPA Signal Word – CAUTION

OTHER: SARA 312 HAZARD CLASS:	Not applicable
SARA 313 TOXIC CHEMICALS:	Permethrin (CAS# 52645-53-1)
REPORTABLE QUANTITY:	Not applicable
RCRA HAZARDOUS WASTE:	Not listed
CALIFORNIA PROPOSITION 65:	No warnings required

SECTION 16: OTHER INFORMATION

Reason for MSDS Revision: Convert to 16 section format and update information

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Date: August 15, 2011

Approved by: H. R. O'Neal