

SAFETY DATA SHEETS

This SDS packet was issued with item:

078392657

N/A

SAFETY DATA SHEET
CATRON® IV

122000008509

Version 1.1

Revision Date 03/15/2013

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
Product information CATRON IV AEROSOL SPRAY 10 OZ

Product Name: CATRON® IV
MSDS Number: 122000008509

Company

BAYER HEALTHCARE LLC
 Animal Health Division
 12707 Shawnee Mission Parkway
 (West 63rd)
 Shawnee, KS 66216-1846
 USA
 (800) 633-3796

In case of emergency: (800) 422-9874
 Chemtrec: (800) 424-9300
 BAYER INFORMATION PHONE:(800) 633-3796
 INTERNATIONAL:(703) 527-3887



2. HAZARDS IDENTIFICATION
Emergency Overview

DANGER! Flammable Aerosol Colour: violet **Form:** aerosol **Odour:** slight.
 Harmful if ingested, inhaled or absorbed through the skin. Harmful if swallowed.

GHS Classification:

Flammable aerosols : Category 2
Germ cell mutagenicity : Category 1B
Carcinogenicity : Category 1B

GHS Label element:

Hazard pictograms :  

Signal word : Danger

Hazard statements : H223 Flammable aerosol.
 H340 May cause genetic defects.

H350 May cause cancer.

Precautionary statements : **Prevention:**
P201 Obtain special instructions before use.
P273 Avoid release to the environment.
P281 Use personal protective equipment as required.
Response:
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P391 Collect spillage.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Hazard Communication (29CFR 1910.1200)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Weight percent	Components	CAS-No.
3 - 7%	Tradeseecret	
1 - 5%	Tradeseecret	
0.5%	Permethrin	52645-53-1

4. FIRST AID MEASURES

General advice: Take off all contaminated clothing immediately.

If inhaled: Remove to fresh air. Call a physician immediately.

In case of skin contact: After contact with skin, wash immediately with plenty of soap and water. If skin reactions occur, contact a physician.

In case of eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed: If swallowed, seek medical advice immediately and show this container or label.

Most important symptoms and effects, both acute and delayed : No information available.
No information available.

CATRON® IV

Version 1.1

Revision Date 03/15/2013

Notes to physician : No information available.

Contact Number: Use the Bayer Emergency Number in Section 1

5. FIREFIGHTING MEASURES

Suitable extinguishing media: Any

Specific hazards during firefighting: Fire may cause evolution of: Carbon monoxide Carbon dioxide (CO₂)

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

Further information: Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment. Use adequate ventilation. Keep people away from and upwind of spill/leak.

Methods for cleaning up: Suppress (knock down) gases/vapours/mists with a water spray jet. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Place in closed containers. Label for proper disposal.

Additional advice: Keep away from/remove sources of ignition. Possible need to alert the neighbourhood.

Further Accidental Release Notes Keep away from/remove sources of ignition. Possible need to alert the neighbourhood.

7. HANDLING AND STORAGE**Handling:**

Use product only in closed system.

Take measures to prevent the build up of electrostatic charge. Keep away from open flames, hot surfaces and sources of ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Permethrin (52645-53-1)

Respiratory protection:

Recommended Filter type: HEPA

Hand protection:

Chemically resistant gloves.

Eye protection:

Safety glasses

Other protective measures:

Wear suitable protective equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	No applicable information is available
Colour:	violet
Odour:	slight
Odour Threshold:	No applicable information is available
Melting point:	No applicable information is available
Boiling point/boiling range:	No applicable information is available
Density:	0.951 g/cm ³
Bulk density:	951.421 kg/m ³
Vapour pressure:	No applicable information is available
Viscosity, dynamic:	No applicable information is available
Viscosity, kinematic:	23,418.173 mm ² /s at 68 °F (20 °C) 13,272.797 mm ² /s at 104 °F (40 °C)
Flow time:	No applicable information is available
Surface tension:	No applicable information is available
Miscibility with water:	No applicable information is available
Water solubility:	No applicable information is available
pH:	4.06 at 10 g/l
Relative density:	No applicable information is available
Partition coefficient:	No applicable information is available
Solubility(ies):	No applicable information is available
Flash point:	No applicable information is available
Flammability (solid, gas):	No applicable information is available
Ignition temperature:	No applicable information is available
Explosion limits:	No applicable information is available

10. STABILITY AND REACTIVITY

Conditions to avoid: no data available

Materials to avoid: Oxidizing agents

Hazardous reactions: None known.

Thermal decomposition:

no data available

Hazardous decomposition products:

Carbon monoxide, Carbon dioxide (CO₂)

Oxidizing properties:

No statements available.

Impact Sensitivity:

no data available

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity:

Tradeseecret

LD50 rat: > 8,000 mg/kg

Tradeseecret

LD50 rat: > 5,000 mg/kg

Method: OECD Test Guideline 401

Acute inhalation toxicity:

Tradeseecret

LC50 rat: > 44 mg/l

Tradeseecret

LC50 rat: > 5 mg/l, 4 h

Method: OECD Test Guideline 403

Acute dermal toxicity:

Tradeseecret

LD50 rabbit: > 2,000 mg/kg

Method: OECD Test Guideline 402

Skin irritation:

Tradeseecret

Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.

Result: May irritate skin.

Eye irritation:

Tradeseecret

Result: Eye irritation

CATRON® IV

Version 1.1

Revision Date 03/15/2013

Reproductive toxicity:

Tradeseecret

Application Route: Oral

rat: Test period: 35 d

Result: Animal studies have produced no evidence of toxic effects on reproduction.

Teratogenicity:

Tradeseecret

Application Route: Oral

rat, female: Test period: 35 d

Result: Showed no teratogenic effect in animal studies.

Carcinogenicity:

No Carcinogenic substances as defined by IARC, NTP and/or OSHA

STOT - single exposure:

no data available

STOT - repeated exposure:no data available

12. ECOLOGICAL INFORMATION**General advice:**

Do not allow to enter surface waters or groundwater.

Toxicity to fish:

Tradeseecret

Acute Fish toxicity: LC50 > 1,000 mg/l

Test species: Salmo gairdneri Duration of test: 96 h

Tradeseecret

Acute Fish toxicity: > 10,000 mg/l

Test species: Lepomis macrochirus (Bluegill) Duration of test: 96 h

Toxicity to daphnia and other aquatic invertebrates:

Tradeseecret

EC50 > 1,000 mg/l

Test species: no data available Duration of test: 48 h

Biodegradability:

Tradeseecret

inherently degradable

13. DISPOSAL CONSIDERATIONS

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

14. TRANSPORT INFORMATION

Land transport (CFR)

Proper shipping name: AEROSOLS
Hazard Class or Division: 2.1
UN/NA Number: UN1950
Packaging group: None
Hazard Label(s): Flammable Gas

Sea transport (IMDG)

Proper shipping name: AEROSOLS
Hazard Class or Division: 2.1
UN number: UN1950
Packaging group: None
Hazard Label(s): FLAMMABLE GASES

Air transport (ICAO / IATA cargo aircraft only)

Proper shipping name: CONSUMER COMMODITY
Hazard Class or Division: 9
UN/ID Number: ID8000
Packaging group: None
Hazard Label(s): MISCELLANEOUS

Air transport (ICAO / IATA passenger and cargo aircraft)

Proper shipping name: CONSUMER COMMODITY
Hazard Class or Division: 9
UN/ID Number: ID8000
Packaging group: None
Hazard Label(s): MISCELLANEOUS

15. REGULATORY INFORMATION

Other regulations: No statements available.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)

Components

None

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

Components

None

US. EPA CERCLA Hazardous Substances (40 CFR 302) Components

None

CATRON® IV

Version 1.1

Revision Date 03/15/2013

New Jersey Environmental Hazardous Substances List and/or New Jersey RTK Special Hazardous Substances Lists

Weight percent	Components	CAS-No.
0.1 - 1%	Permethrin	52645-53-1

California Prop. 65

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

OSHA Hazcom Standard Rating Hazardous

16. OTHER INFORMATION**Further information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof KMG-Bernuth, Inc. (Company). makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Company be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

MSDS No.: 6148371

Revision No.: Revision 1

Supersedes: None

Date: August 15, 2011

Approved by: H. R. O'Neal