



Material Safety Data Sheet

Page 1 of 9

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

HI-POWER(TM) Ant, Roach & Spider Killer

PRODUCT NUMBER(S): AGC1000-94 UPC01113 UPC01113Q UPC01113W

COMPANY IDENTIFICATION

CHEVRON CHEMICAL COMPANY
ORTHO CONSUMER PRODUCTS
P.O. BOX 5047
SAN RAMON, CA 94583-0947

EMERGENCY TELEPHONE NUMBERS

HEALTH (24 hr): (800)457-2022 or
(510)233-3737 (International)
TRANSPORTATION (24 hr): CHEMTREC
(800)424-9300 or (202)483-7616

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 % HI-POWER(TM) Ant, Roach & Spider Killer

CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
CHLORPYRIFOS Chemical Name: DIETHYL(TRICHLORO-2-PYRIDYL)PHOSPHOROTHIOATE CAS2921882	0.5%	0.2 mg/m3 1 LBS	ACGIH TWA CERCLA 302.4 RQ
XYLENE Chemical Name: BENZENE, DIMETHYL- CAS1330207	< 0.4%	100 ppm 150 ppm 100 ppm 1,000 LBS	ACGIH TWA ACGIH STEL OSHA PEL CERCLA 302.4 RQ
D-TRANS ALLETHRIN Chemical Name: D-TRANS ALLETHRIN (ALLYL HOMOLOG OF CINERIN 1) CAS584792	< 0.1%		

RELATED COMPOUNDS

Revision Number: 1 Revision Date: 12/25/93 MSDS Number: 004208
 NDA - No Data Available NA - Not Applicable

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Toxicology and Health Risk Assessment Unit, CRTC, P.O. Box 4054, Richmond, CA 94804

< 0.1%

SOLVENT NAPHTHA, LT. AROMATIC
 Chemical Name: SOLVENT NAPHTHA, LIGHT AROMATIC
 CAS64742956 4.0%

INERT INGREDIENTS

< 95.2%

"Inert Ingredients" is a term defined by the U.S. Environmental Protection Agency under the Federal Insecticide, Fungicide and Rodenticide Act (40 CFR 158.153). It refers to any substance, other than an active ingredient, which is intentionally added to a pesticide product. Some inert ingredients may be hazardous chemicals, as defined by the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). The hazards associated with these inert ingredients have been included in this document.

INCLUDING

PROPANE

Chemical Name: PROPANE
 CAS74986

Asphyxiant
 1800 mg/m3

ACGIH TWA
 OSHA PEL

ISOBUTANE

Chemical Name: PROPANE, 2-METHYL-
 CAS75285

LABEL COMMENT:

This Material Safety Data Sheet (MSDS) contains health, safety and environmental information for you and your employees. It does not replace the precautionary use, storage and disposal information presented on the product label. This information will help you to prepare for emergency response and to meet community right-to-know/ emergency response and reporting requirements under SARA Title III and many other laws. Emergency response agencies and health care providers will also find this additional information useful.

Homeowner consumer use, storage and disposal are regulated by the EPA through the approved label copy, and it is a violation of Federal law to use the product in any manner not prescribed on the EPA-approved label. In order to avoid confusion, this MSDS should not be distributed to homeowner consumers.

Although an MSDS is not required for a consumer product used by the homeowner, we provide this MSDS for employers who handle or store large quantities of this product (e.g. transporters, warehouses and retailers).

This MSDS should also be made available to any employee whose exposure to the product in quantity, frequency or duration may be greater than that of a homeowner consumer.

This MSDS should be supplied to subsequent transporters, shippers,

Revision Number: 1 Revision Date: 12/25/93 MSDS Number: 004208
 NDA - No Data Available NA - Not Applicable

warehouses, retailers or employers where handling, storing or use of this product exceed in quantity, frequency or duration those of a homeowner consumer.

- | | |
|----------------------------------|--|
| TLV - Threshold Limit Value | TWA - Time Weighted Average |
| STEL - Short-term Exposure Limit | TPQ - Threshold Planning Quantity |
| RQ - Reportable Quantity | PEL - Permissible Exposure Limit |
| C - Ceiling Limit | CAS - Chemical Abstract Service Number |
| Al-5 - Appendix A Categories | () - Change Has Been Proposed |

3. HAZARDS IDENTIFICATION

***** EMERGENCY OVERVIEW *****

- AVOID CONTACT WITH EYES, SKIN OR CLOTHING
- AVOID BREATHING VAPOR OR SPRAY MIST
- KEEP OUT OF REACH OF CHILDREN

POTENTIAL HEALTH EFFECTS

EYE:

This substance is slightly irritating to the eyes and could cause prolonged (days) impairment of your vision. The degree of the injury will depend on the amount of material that gets into the eye and the speed and thoroughness of the first aid treatment.

SKIN:

This substance is a moderate skin irritant so contact with the skin could cause prolonged (days) injury to the affected area. The degree of injury will depend on the amount of material that gets on the skin and the speed and thoroughness of the first aid treatment. This substance is slightly toxic to internal organs if absorbed through the skin. The degree of injury will depend on the amount absorbed.

INGESTION:

If swallowed, this substance is considered practically non-toxic to internal organs. Read the Toxicology Information section (11) of this document for more information.

INHALATION:

If inhaled, this substance is considered practically non-toxic to internal organs. Read the Toxicological Information section (11) of this document for more information.

SIGNS AND SYMPTOMS OF EXPOSURE:

EYE: May include pain, tears, swelling, redness, and blurred vision.
SKIN: May include pain or a feeling of heat, discoloration, swelling, and blistering.

4. FIRST AID MEASURES

EMERGENCY NUMBER (24 hr): (800)457-2022 or (510)233-3737 (International)

EYE:

Revision Number: 1 Revision Date: 12/25/93 MSDS Number: 004208
 NDA - No Data Available NA - Not Applicable

Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. No additional first aid should be necessary. However, if irritation persists, see a doctor.

SKIN:

If on skin, remove contaminated clothing, wash skin with plenty of soap and water. Wash contaminated clothing before reuse.

INGESTION:

If swallowed, drink 1 or 2 glasses of water (or milk) and induce vomiting by touching the back of the throat with finger. If possible, contact a physician, Poison Control Center, or emergency center before inducing vomiting. Do not induce vomiting or give anything by mouth to an unconscious person. Take person and product container to the nearest emergency treatment center.

INHALATION:

If inhaled: Move victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

NOTE TO PHYSICIANS:

This material contains a cholinesterase inhibitor. Measurement of blood cholinesterase activity may be useful in monitoring exposure. If signs of cholinesterase inhibition appear, atropine sulfate is antidotal. 2-PAM (PROTOPAM) is also antidotal and may be used in conjunction with atropine but should not be used alone.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: NDA

AUTOIGNITION: NDA

FLAMMABILITY LIMITS (% by volume in air): Lower: NDA Upper: NDA

EXTINGUISHING MEDIA:

NDA

NFPA RATINGS: Health 1; Flammability 4; Reactivity 0.

FIRE FIGHTING INSTRUCTIONS:

Products of combustion from fires involving this material may be toxic. Avoid breathing smoke and mists. Avoid personnel and equipment contact with fallout and runoff. Minimize the amount of water used for fire fighting. Do not enter any enclosed area without full protective equipment, including self-contained breathing equipment. Contain and isolate runoff and debris for proper disposal. Decontaminate personal protective equipment and fire fighting equipment before reuse. Read the entire document.

COMBUSTION PRODUCTS:

Normal combustion forms carbon dioxide, water vapor and may produce oxides of sulfur, nitrogen and phosphorous. Combustion may produce toxic compounds of chlorine. Incomplete combustion can produce carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

CHEMTREC EMERGENCY NUMBER (24 hr): (800)424-9300 or (202)483-7616

Revision Number: 1 Revision Date: 12/25/93 MSDS Number: 004208
NDA - No Data Available NA - Not Applicable

ACCIDENTAL RELEASE MEASURES:

Cover spill with a generous amount of Oil Dry, cat litter, clay, rags or other absorbent. Use a stiff broom to mix thoroughly. Sweep up and place in a disposable container. Scrub contaminated area with detergent and water using a stiff broom. Pick up liquid with additional absorbent and place in a disposable container.

7. HANDLING AND STORAGE

HANDLING AND STORAGE:

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING. READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

CONTAINER UNDER PRESSURE.

Exposure to heat or prolonged exposure to sun may cause container to burst. Do not puncture, incinerate or store above 130F

DO NOT USE OR STORE near flame, sparks or hot surfaces. USE ONLY IN WELL VENTILATED AREA.

Do not contaminate food or feed.

Do not store near food or feed.

Do not use in areas where food is being prepared, processed, or served.

Remove pets and cover fish bowls (tanks) before applying.

Keep children and animals away from treated areas until these areas have dried.

Store in a secure, preferably locked, cool dry storage area away from heat, open flame, and direct sunlight.

Do not apply directly to water or wetlands. Do not contaminate water by cleaning of equipment or disposal of waste. For help with any spill, leak, fire or exposure involving this material, call day or night (800) 454-2333.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT**EYE/FACE PROTECTION:**

Do not get this material in your eyes. Eye contact can be avoided by wearing chemical goggles.

SKIN PROTECTION:

Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including gloves.

RESPIRATORY PROTECTION:

No special respiratory protection is normally required. However, based on the skin and/or eye irritation potential, an approved respirator should be made available in case respiratory irritation occurs.

ENGINEERING CONTROLS:

Use this material only in well ventilated areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION:

NDA

pH: NDA
VAPOR PRESSURE: NDA
VAPOR DENSITY
(AIR=1): NDA
BOILING POINT: NDA
FREEZING POINT: NDA
MELTING POINT: NDA
SOLUBILITY: NDA
SPECIFIC GRAVITY: NDA
DENSITY: NDA
EVAPORATION RATE: NDA
PERCENT VOLATILE
(VOL): NDA

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:

NDA

CHEMICAL STABILITY:

Stable.

CONDITIONS TO AVOID:

No data available.

INCOMPATIBILITY WITH OTHER MATERIALS:

May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:

Eye irritation clearing in 48 hours.

SKIN EFFECTS:

The Draize Skin Primary Irritation Score (range 0-8) for a 24-hour exposure (rabbits) is 3.67. The dermal LD50 in rabbits is greater than 2 g/kg.

ACUTE ORAL EFFECTS:

Revision Number: 1**Revision Date: 12/25/93****MSDS Number: 004208**

NDA - No Data Available

NA - Not Applicable

The oral LD50 in rats is > 5 g/kg.

ACUTE INHALATION EFFECTS:

The 4-hour Inhalation LC50 in rats is > 5 mg/l.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains an organic phosphorus insecticide which inhibits the enzyme cholinesterase. Signs and symptoms which may be seen, usually within 12 hours following overexposure, may include, but may not be limited to, headache, dizziness, weakness, constriction of the pupil of the eye, blurred or dark vision, excessive salivation or nasal discharge, profuse sweating, abdominal cramps, nausea and vomiting. Incontinence, unconsciousness and convulsions indicate severe poisoning. In untreated severe poisoning, respiratory depression or cardiac arrest may be fatal. Repeated exposure may result in depletion of cholinesterase. Additional slight exposure may result in signs and symptoms. Note to Physician: Measurement of blood cholinesterase activity may be useful in monitoring exposure. If signs of cholinesterase inhibition appear, atropine sulfate is antidotal. 2-PAM (PROTOPAM) is also antidotal and may be used in conjunction with atropine but should not be used alone.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

This material is toxic to birds and other wildlife. Highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. This material is toxic to aquatic organisms and should be kept out of sewage and drainage systems and all bodies of water.

ENVIRONMENTAL FATE:

No data available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS:

Unused product may be disposed of by replacing cap, securely wrapping original container in several layers of newspaper and discarding in trash. Do not incinerate or puncture.

14. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT SHIPPING NAME: NDA

DOT HAZARD CLASS: NDA

DOT IDENTIFICATION NUMBER: NDA

DOT PACKING GROUP: NDA

Revision Number: 1

Revision Date: 12/25/93

MSDS Number: 004208

NDA - No Data Available

NA - Not Applicable

15. REGULATORY INFORMATION

SARA 311 CATEGORIES:

1. Immediate (Acute) Health Effects:	YES
2. Delayed (Chronic) Health Effects:	NO
3. Fire Hazard:	YES
4. Sudden Release of Pressure Hazard:	YES
5. Reactivity Hazard:	NO

REGULATORY LISTS SEARCHED:

01=SARA 313	11=NJ RTK	21=TSCA Sect 4(e)
02=MASS RTK	12=CERCLA 302.4	22=TSCA Sect 5(a)(2)
03=NTP Carcinogen	13=MN RTK	23=TSCA Sect 6
04=CA Prop 65-Carcin	14=ACGIH TWA	24=TSCA Sect 12(b)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	25=TSCA Sect 8(a)
06=IARC Group 1	16=ACGIH Calc TLV	26=TSCA Sect 8(d)
07=IARC Group 2A	17=OSHA PEL	27=TSCA Sect 4(a)
08=IARC Group 2B	18=DOT Marine Pollutant	28=Canadian WHMIS
09=SARA 302/304	19=Chevron TWA	29=OSHA CEILING
10=PA RTK	20=EPA Carcinogen	30=Chevron STEL

The following components of this material are found on the regulatory lists indicated.

BENZENE, DIMETHYL-

is found on lists: 01,02,10,11,12,13,14,15,17,

DIETHYL(TRICHLORO-2-PYRIDYL)PHOSPHOROTHIOATE

is found on lists: 02,12,13,14,18,

SOLVENT NAPHTHA, LIGHT AROMATIC

is found on lists: 26,

PROPANE

is found on lists: 02,10,11,13,14,17,

PROPANE, 2-METHYL-

is found on lists: 02,10,11,

16. OTHER INFORMATION

NFPA RATINGS: Health 1; Flammability 4; Reactivity 0;

HMIS RATINGS: Health 1; Flammability 4; Reactivity 0;

(Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

REVISION STATEMENT:

PRODUCT DISCONTINUED. This Material Safety Data Sheet will no longer be updated.

Revision Number: 1 Revision Date: 12/25/93 MSDS Number: 004208
 NDA - No Data Available NA - Not Applicable

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Revision Number: 1 Revision Date: 12/25/93 MSDS Number: 004208
NDA - No Data Available NA - Not Applicable