

# EXPRA INSECT ELIMINATOR

Chemwatch Material Safety Data Sheet  
Issue Date: 27-Mar-2009  
XC9477TC

CHEMWATCH 20-8411  
Version No:2.0  
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## Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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### PRODUCT NAME

EXPRA INSECT ELIMINATOR

### STATEMENT OF HAZARDOUS NATURE

Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation.

### OTHER NAMES

"Product Code: CQX0571"

### PROPER SHIPPING NAME

AEROSOLS

### PRODUCT USE

» Application is by spray atomisation from a hand held aerosol pack.

The use of a quantity of material in an unventilated or confined space may result in increased exposure and an irritating atmosphere developing.

Before starting consider control of exposure by mechanical ventilation.  
Insect killer aerosol.

### SUPPLIER

Company: Damar Industries Ltd  
Address:  
Eastgate Business Park, 800 Te Ngae Road  
Rotorua,  
NZL  
Telephone: +64 7 345 6007  
EmergencyTel: 0800 CHEMCALL (0800 243 62255)  
Fax: +64 7 345 6019

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## Section 2 - HAZARDS IDENTIFICATION

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### GHS Classification

Acute Aquatic Hazard Category 2  
Eye Irritation Category 2B  
Flammable Aerosol Category 1  
Reproductive Toxicity Category 1B  
Respiratory Irritation Category 3  
Respiratory Sensitizer Category 1  
Skin Corrosion/Irritation Category 3  
Skin Sensitizer Category 1

### EMERGENCY OVERVIEW

#### HAZARD

##### DANGER

Determined by Chemwatch using GHS/HSNO criteria:

2.1.2A 6.3B 6.4A 6.5A 6.5B 6.8A 9.1B

May cause respiratory irritation

Extremely flammable aerosol

Causes mild skin irritation

Causes eye irritation

May cause allergic or asthmatic symptoms or breathing difficulties if inhaled

May cause allergic skin reaction

May damage fertility

Toxic to aquatic life

### PRECAUTIONARY STATEMENTS

#### Prevention

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should not be allowed out of the workplace.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

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Section 2 - HAZARDS IDENTIFICATION

Use personal protective equipment as required.  
In case of inadequate ventilation wear respiratory protection.

### Response

IF ON SKIN: Wash with plenty of soap and water.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice/ attention.

Call a POISON CENTER or doctor/physician if you feel unwell.

If skin irritation occurs: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Wash contaminated clothing before reuse.

### Storage

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| NAME                          | CAS RN      | %     |
|-------------------------------|-------------|-------|
| petroleum naphtha             |             | 30-60 |
| insecticides/synergist        |             | 1-10  |
| LPG (liquefied petroleum gas) | 68476-85-7. | 30-60 |

## Section 4 - FIRST AID MEASURES

NEW ZEALAND POISONS INFORMATION CENTRE 0800 POISON (0800 764 766)

NZ EMERGENCY SERVICES: 111

### SWALLOWED

• Avoid giving milk or oils.

• Avoid giving alcohol.

Not considered a normal route of entry.

• If spontaneous vomiting appears imminent or occurs, hold patient's head down, lower than their hips to help avoid possible aspiration of vomitus.

### EYE

» If aerosols come in contact with the eyes:

• Immediately hold the eyelids apart and flush the eye continuously for at least 15 minutes with fresh running water.

• Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.

• Transport to hospital or doctor without delay.

• Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

### SKIN

» If solids or aerosol mists are deposited upon the skin:

• Flush skin and hair with running water (and soap if available).

• Remove any adhering solids with industrial skin cleansing cream.

• DO NOT use solvents.

• Seek medical attention in the event of irritation.

### INHALED

» If aerosols, fumes or combustion products are inhaled:

• Remove to fresh air.

• Lay patient down. Keep warm and rested.

• Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.

• If breathing is shallow or has stopped, ensure clear airway and apply resuscitation, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.

### NOTES TO PHYSICIAN

» For acute or short term repeated exposures to petroleum distillates or related hydrocarbons:

• Primary threat to life, from pure petroleum distillate ingestion and/or inhalation, is respiratory failure.

• Patients should be quickly evaluated for signs of respiratory distress (e.g. cyanosis, tachypnoea, intercostal retraction, obtundation) and given oxygen. Patients with inadequate tidal volumes or poor arterial blood gases (pO<sub>2</sub> 50 mm Hg) should be intubated.

• Arrhythmias complicate some hydrocarbon ingestion and/or inhalation and electrocardiographic evidence of myocardial injury has been reported; intravenous lines and cardiac monitors should be established in obviously symptomatic patients. The lungs excrete inhaled solvents, so that hyperventilation improves clearance.

• A chest x-ray should be taken immediately after stabilisation of breathing and circulation to document aspiration and detect the presence of pneumothorax.

Treat symptomatically.

For chronic or short term repeated exposures to pyrethrum and synthetic pyrethroids:

• Mammalian toxicity of pyrethrum and synthetic pyrethroids is low, in part because of poor bioavailability and a large first pass extraction by the liver.

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- The most common adverse reaction results from the potent sensitising effects of pyrethrins.
- Clinical manifestations of exposure include contact dermatitis (erythema, vesiculation, bullae); anaphylactoid reactions (pallor, tachycardia, diaphoresis) and asthma. [Ellenhorn Barceloux]
- In cases of skin contact, it has been reported that topical application of Vitamin E Acetate (alpha-tocopherol acetate) has been found to have high therapeutic value, eliminating almost all skin pain associated with exposure to synthetic pyrethroids. [Incitec].

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## Section 5 - FIRE FIGHTING MEASURES

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### EXTINGUISHING MEDIA

» SMALL FIRE:

- Water spray, dry chemical or CO<sub>2</sub>

LARGE FIRE:

- Water spray or fog.

### FIRE FIGHTING

- Alert Fire Brigade and tell them location and nature of hazard.
- May be violently or explosively reactive.
- Wear breathing apparatus plus protective gloves.
- Prevent, by any means available, spillage from entering drains or water course.

When any large container (including road and rail tankers) is involved in a fire, consider evacuation by 100 metres in all directions.

### FIRE/EXPLOSION HAZARD

- Liquid and vapour are highly flammable.
- Severe fire hazard when exposed to heat or flame.
- Vapour forms an explosive mixture with air.
- Severe explosion hazard, in the form of vapour, when exposed to flame or spark.

Combustion products include: carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), other pyrolysis products typical of burning organic material.

Contains low boiling substance: Closed containers may rupture due to pressure buildup under fire conditions.

### FIRE INCOMPATIBILITY

- Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result.

### Personal Protective Equipment

Gas tight chemical resistant suit.

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## Section 6 - ACCIDENTAL RELEASE MEASURES

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### EMERGENCY PROCEDURES

#### MINOR SPILLS

- Clean up all spills immediately.
- Avoid breathing vapours and contact with skin and eyes.
- Wear protective clothing, impervious gloves and safety glasses.
- Shut off all possible sources of ignition and increase ventilation.

#### MAJOR SPILLS

- Clear area of personnel and move upwind.
- Alert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves.
- Prevent, by any means available, spillage from entering drains or water course.
- Remove leaking cylinders to a safe place.
- Fit vent pipes. Release pressure under safe, controlled conditions
- Burn issuing gas at vent pipes.
- DO NOT exert excessive pressure on valve; DO NOT attempt to operate damaged valve.
- Clear area of personnel and move upwind.
- Alert Fire Brigade and tell them location and nature of hazard.
- May be violently or explosively reactive.
- Wear breathing apparatus plus protective gloves.

Personal Protective Equipment advice is contained in Section 8 of the MSDS.

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## Section 7 - HANDLING AND STORAGE

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### PROCEDURE FOR HANDLING

- Containers, even those that have been emptied, may contain explosive vapours.
  - Do NOT cut, drill, grind, weld or perform similar operations on or near containers.
- Natural gases contain a contaminant, radon-222, a naturally occurring radioactive gas. During subsequent processing, radon tends to concentrate in liquefied petroleum streams and in product streams having similar boiling points.
- Avoid all personal contact, including inhalation.
  - Wear protective clothing when risk of exposure occurs.

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- Use in a well-ventilated area.
- Prevent concentration in hollows and sumps.

## SUITABLE CONTAINER

- Aerosol dispenser.
- Check that containers are clearly labelled.

## STORAGE INCOMPATIBILITY

- Avoid reaction with oxidising agents.

## STORAGE REQUIREMENTS

- Keep dry to avoid corrosion of cans. Corrosion may result in container perforation and internal pressure may eject contents of can.
- Store in original containers in approved flammable liquid storage area.
- DO NOT store in pits, depressions, basements or areas where vapours may be trapped.
- No smoking, naked lights, heat or ignition sources.
- Keep containers securely sealed. Contents under pressure.

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE CONTROLS

| Source   | Material  | TWA ppm | TWA mg/m <sup>3</sup> |
|--|---|---------|-----------------------|
| New Zealand Workplace Exposure Standards (WES) | LPG (liquefied petroleum gas) (LPG (Liquefied petroleum gas)) | 1,000   | 1,800                 |

### PERSONAL PROTECTION

#### RESPIRATOR

Type GAXNO-P Filter of sufficient capacity

#### EYE

» No special equipment for minor exposure i.e. when handling small quantities.

OTHERWISE: For potentially moderate or heavy exposures:

- Safety glasses with side shields.
- NOTE: Contact lenses pose a special hazard; soft lenses may absorb irritants and ALL lenses concentrate them.

#### HANDS/FEET

» NOTE:

- The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.
- Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed.
- No special equipment needed when handling small quantities.
- OTHERWISE:
- For potentially moderate exposures:
- Wear general protective gloves, eg. light weight rubber gloves.

#### OTHER

- Some plastic personal protective equipment (PPE) (e.g. gloves, aprons, overshoes) are not recommended as they may produce static electricity.
- No special equipment needed when handling small quantities.

OTHERWISE:

- Overalls.
- Skin cleansing cream.
- Eyewash unit.
- Do not spray on hot surfaces.

- Positive pressure, full face, air-supplied breathing apparatus should be used for work in enclosed spaces if a leak is suspected or the primary containment is to be opened (e.g. for a cylinder change)
- Air-supplied breathing apparatus is required where release of gas from primary containment is either suspected or demonstrated.

### ENGINEERING CONTROLS

» General exhaust is adequate under normal conditions. If risk of overexposure exists, wear SAA approved respirator.

Provide adequate ventilation in warehouse or closed storage areas.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE

» Supplied as an aerosol pack. Contents under PRESSURE.  
Clear liquid with a characteristic odour.

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## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

### PHYSICAL PROPERTIES

Liquid.  
Gas.  
Does not mix with water.  
Floats on water.

Molecular Weight: Not Available  
Melting Range (°C): Not Available  
Solubility in water (g/L): Immiscible  
pH (1% solution): Not Available  
Volatile Component (%vol): Not Available  
Relative Vapour Density (air=1): Not Available  
Lower Explosive Limit (%): Not Available  
Autoignition Temp (°C): Not Available  
State: Liquid

Boiling Range (°C): Not Available  
Specific Gravity (water=1): 0.60- 0.65  
pH (as supplied): Not Available  
Vapour Pressure (kPa): Under pressure  
Evaporation Rate: Not Available  
Flash Point (°C): <- 81 propellant  
Upper Explosive Limit (%): Not Available  
Decomposition Temp (°C): Not Available  
Viscosity: Not Available

## Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

### CONDITIONS CONTRIBUTING TO INSTABILITY

- Elevated temperatures.
  - Presence of open flame.
  - Product is considered stable.
  - Hazardous polymerisation will not occur.
- For incompatible materials - refer to Section 7 - Handling and Storage.*

## Section 11 - TOXICOLOGICAL INFORMATION

### POTENTIAL HEALTH EFFECTS

#### GHS Hazard Phrases

May cause respiratory irritation  
Extremely flammable aerosol  
Causes mild skin irritation  
Causes eye irritation  
May cause allergic or asthmatic symptoms or breathing difficulties if inhaled  
May cause allergic skin reaction  
May damage fertility  
Toxic to aquatic life

#### TOXICITY AND IRRITATION

» unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.

» Lifetime exposure of rodents to gasoline produces carcinogenicity although the relevance to humans has been questioned. Gasoline induces kidney cancer in male rats as a consequence of accumulation of the alpha2-microglobulin protein in hyaline droplets in the male (but not female) rat kidney.

LPG (LIQUEFIED PETROLEUM GAS):

» No significant acute toxicological data identified in literature search.

## Section 12 - ECOLOGICAL INFORMATION

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
This material and its container must be disposed of as hazardous waste.  
Avoid release to the environment.  
Refer to special instructions/ safety data sheets.

## Section 13 - DISPOSAL CONSIDERATIONS

- DO NOT allow wash water from cleaning or process equipment to enter drains.
- It may be necessary to collect all wash water for treatment before disposal.
- In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.
- Where in doubt contact the responsible authority.
- Consult State Land Waste Management Authority for disposal.
- Discharge contents of damaged aerosol cans at an approved site.
- Allow small quantities to evaporate.

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Section 13 - DISPOSAL CONSIDERATIONS

- DO NOT incinerate or puncture aerosol cans.

## Section 14 - TRANSPORTATION INFORMATION

Labels Required: FLAMMABLE GAS

HAZCHEM: (1) Not applicable to the carriage of dangerous goods under RID or ADR

Land Transport UNDG:

|                    |          |                   |      |
|--------------------|----------|-------------------|------|
| Class or division: | 2        | Subsidiary risk:  | None |
| UN No.:            | 1950     | UN packing group: | None |
| Shipping Name:     | AEROSOLS |                   |      |

**Air Transport IATA:**

|                     |                     |                    |      |
|---------------------|---------------------|--------------------|------|
| ICAO/IATA Class:    | 2.1                 | ICAO/IATA Subrisk: | None |
| UN/ID Number:       | 1950                | Packing Group:     | None |
| Special provisions: | A145 A153           |                    |      |
| Shipping Name:      | AEROSOLS, FLAMMABLE |                    |      |

**Maritime Transport IMDG:**

|                     |            |                     |                    |
|---------------------|------------|---------------------|--------------------|
| IMDG Class:         | 2.1        | IMDG Subrisk:       | SP63               |
| UN Number:          | 1950       | Packing Group:      | None               |
| EMS Number:         | F- D, S- U | Special provisions: | 63 190 277 327 959 |
| Limited Quantities: | See SP277  | Marine Pollutant:   | Not Determined     |
| Shipping Name:      | AEROSOLS   |                     |                    |

## Section 15 - REGULATORY INFORMATION

### REGULATIONS

Regulations for ingredients

Exptra Insect Eliminator (CAS: None):

No regulations applicable

LPG (liquefied petroleum gas) (CAS: 68476-85-7) is found on the following regulatory lists;  
New Zealand Hazardous Substances and New Organisms (HSNO) Act - Dangerous Goods  
New Zealand Hazardous Substances and New Organisms (HSNO) Act - Hazardous Substances Register  
New Zealand Hazardous Substances and New Organisms (HSNO) Act - Pesticides  
New Zealand Hazardous Substances and New Organisms (HSNO) Act - Veterinary Medicines  
New Zealand Inventory of Chemicals (NZIoC)  
New Zealand Workplace Exposure Standards (WES)  
OECD Representative List of High Production Volume (HPV) Chemicals

Specific advice on controls required for materials used in New Zealand can be found at  
<http://www.ermanz.govt.nz/search/registers.html>

## Section 16 - OTHER INFORMATION

NEW ZEALAND POISONS INFORMATION CENTRE

0800 POISON (0800 764 766)

NZ EMERGENCY SERVICES: 111

» Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

A list of reference resources used to assist the committee may be found at:

[www.chemwatch.net/references](http://www.chemwatch.net/references).

» The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

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