

1- CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT CODE : 23352
 PRODUCT NAME : Exterminator PM57
 PRODUCT DESCRIPTION : Pyrethrins Insecticide Dust
 SYNONYMS : Pyroicide Intermediate --Natural Diatomaceous earth--
 MANUFACTURER : Puroguard Insecticides Ltd.
 264, Querbes, Vaudreuil- Dorion, QC. J7V1J7

EMERGENCY PHONE: PHILIP ENVIRONMENTAL 1-800-567-7454 (Canada)

2- COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT (S)	CAS #	CONC %	EXPOSURE LIMITS	FORMULA	% BY WT.
PYROCIDE INTERMEDIATE				2%	
PYRETHRINS	8003-34-7	10.00	5 mg / m3 (OSHA,ACGIH)		0.20
PIPERONYL BUTOXIDE	06/03/1951	50.00			1.00
REFINED PETROLEUM SOLVENT			350mg/ m3 (NIOSH)		

DIATOMACEOUS EARTH:			TWA 0,05 (mg/m3) OSHA	88%	
CRISTOBALITE	O14464461				20,4-26,2
QUARTZ	O14808607				1,94-4,85
AMORPHOUS SILICA	OO7631869				100

3- HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS: EMERGENCY OVERVIEW

HUMAN CAUTION

EYES CAUTION: Causes moderate eye irritation. May cause pain, tearing and blurred vision.

SKIN CAUTION: Can be harmful, if absorbed through skin. Can cause a burning sensation on more sensitive areas (face, eyes, mouth). Prolonged or repeated exposure can cause irritation and reddening of the skin, possibly progressing into dermatitis.

INGESTION: Can cause stomach irritation, resulting in nausea, cramps, and vomiting. Can cause nervous system disorders, such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness.

INHALATION: CAUTION: Excessive inhalation can cause nasal and respiratory irritation, nausea and nervous disorders such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness.

CHRONIC EFFECTS: None known

NOTE:
 Diatomaceous Earth : Repeated exposure to this product can be dangerous since it has Carcinogenic effects.

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4- FIRST AID MEASURES

FIRST AID MEASURES:

- EYES:** Immediately flush with large amounts of water for at least 15 minutes. If irritation persists, get medical attention.
- SKIN** Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, get medical attention. Wash clothing separately before reuse.
- INHALATION:** Remove affected person to fresh air. Give oxygen, if necessary, if breathing has stopped administer artificial respiration and seek medical attention immediately.
- INGESTION:** If swallowed, drink 1 or 2 glasses of water and induce vomiting by touching the back of the throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

5- FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: Not Applicable

FLAMMABLE LIMITS: Not Applicable

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

EXTINGUISHING MEDIA: Non-flammable

FIRE FIGHTING INSTRUCTIONS: Non-flammable

6- ACCIDENTAL RELEASE MEASURES:

SPILLS OR LEAKS: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface,

WASTE DISPOSAL METHOD: Disposed of according to local state and federal regulations.

7, HANDLING AND STORAGE

HANDLING: Wear rubber gloves. Wear an OSHA-approved safety glasses, goggles or face shield. Mechanical ventilation should be used when handling this product in enclosed spaces. Avoid breathing mists. Wearing a respirator is not required when using this product, but recommended in absence of proper ventilation. Do not contaminate water, feed or food by storage, handling or disposal. Read and observe all precautions and instructions on the label.

STORAGE: Carcinogenic, teratogenic or mutagenic materials should be stored in a separate locked safety storage cabinet or room.

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EXPOSURE LIMITS:	not established by OSHA or ACGIH
ENGINEERING CONTROLS:	Mechanical ventilation should be used when handling this product in enclosed spaces. Local exhaust ventilation may be necessary.
RESPIRATORY PROTECTION:	Wear a NIOSH approved organic vapor respirator in absence of proper ventilation.
SKIN PROTECTION:	Wear rubber gloves and protective clothing.
EYE PROTECTION:	Wear an OSHA-approved safety glasses, goggles or face shield.

9- PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Solid
ODOR:	Characteristic Dursban odor.
PHYSICAL STATE:	Dust
VAPOR PRESSURE:	Weighted average : 0 mm of Hg (@20C)
VAPOR DENSITY:	Not established
BOILING POINT:	Not established
MELTING POINT:	Diatomaceous Earth: 1723C (3133.4F) base on data for Cristobalite. Weighted average : 1708.62C (3107.5F)
SOLUBILITY IN WATER:	Very slightly soluble in cold water.
SPECIFIC GRAVITY:	2,3 (Water = 1)

10- STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable
HAZARDOUS DECOMPOSITION PRODUCTS:	Not applicable

11- TOXICOLOGICAL INFORMATION

ACUTE STUDIES:

HUMANS: There is no known effect from acute over-exposure to this product . However, in light of good industrial hygiene, exposure to any chemical should be to a minimum.

CHRONIC;

CARCINOGENICITY;

None of the components present in this material at concentrations equal to or greater than 0,1% are listed by IARC, OSHA or ACGIH as being carcinogens.



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12 - ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS	Do not discharge effluent containing this products into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA"
BIODEGRADATION	Unknown
CHEMICAL DEGRADATION	Unknown
TOXIC EFFECTS ON ORGANISMS;	Unknown
FISH; LC50	Not established
BIRD; LC50	Not established
TOXICITY TO USEFUL INSECTS;	Unknown

13- DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: This product should be disposed of according to local, state and federal regulations. When disposing of waste or surplus avoid contact with eyes and skin. Wear impervious gloves/clothing and chemical safety goggles. Do not wash into drains. Do not mix with other waste materials.

14- TRANSPORT INFORMATION

NOT CONTROLLED UNDER TDG (Canada)
NOT APPLICABLE (PIN and PG)
WHMIS CLASS D-2A:

15- OTHER INFORMATION

The data contained herein is based on information currently available from MGK, L.V.Lomas and Akzo Nobel Chemicals , and believed to be factual and the opinions expressed to be those of qualified experts; however, this data is not to be taken as a warranty or representation forfor which Puroguard Company assumes legal responsibility.



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