

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 13.10.2015

Revision: 13.10.2015

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: Y-TEX OPTIMIZER INSECTICIDAL CATTLE EAR TAGS

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Insecticidal ear tags

Details of Manufacturer or Importer:

Landmark Operations Limited
Suite 3, Level 1, Building B
11 Talavera Road
Macquarie Park NSW 2113

Phone Number: 02 9889 5400

Emergency telephone number: National Poison Information Centre: 13 11 26

2 . HAZARDS IDENTIFICATION

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



health hazard

STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.



environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

Aquatic Acute 2 H401 Toxic to aquatic life.

Signal Word Danger

Hazard Statements

H372 Causes damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P314 Get medical advice/attention if you feel unwell.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

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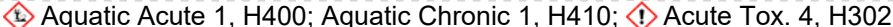
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Hazardous Components:		
333-41-5	diazinon (ISO)	20%
		

4 . FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap for 15- 20 minutes. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, hold eyelids open and rinse with water for 15- 20 minutes. Seek medical attention if symptoms persist.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water or milk. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms occur.

Information for Doctor:

This product is a cholinesterase inhibitor. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine. Product may cause aspiration pneumonia.

Symptoms Caused by Exposure:

Inhalation: May cause respiratory tract irritation with coughing, sore throat and runny nose.

Skin Contact: May irritate the skin. Skin absorption of this product may cause inhibition of the enzyme cholinesterase with increased sweating, muscle contractions, tearing and constricted pupils.

Eye Contact: May cause eye irritation, reddening, tearing, stinging and swelling.

Ingestion: Harmful if swallowed. May cause headache, giddiness, nervousness, nausea, weakness, diarrhoea, cramps, chest pain, constricted pupils, blurred vision, tearing and excessive sweating and salivation.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water fog, foam, dry chemical or carbon dioxide.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon, hydrogen cyanide, hydrogen chloride, chlorine, phosgene, substituted pyrimidines and organophosphates.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved respiratory protection and protective clothing. Evacuate all non-essential personnel from affected area. Ensure adequate ventilation.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

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Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so. Place in drums for subsequent disposal. Provide adequate ventilation. Decontaminate spill area, preventing runoff from entering drains.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep in original container tightly closed when not in use. Protect from heat, open flames and direct sunlight. Store below 30 °C.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:**333-41-5 diazinon (ISO)**

NES	TWA: 0.1 mg/m ³
	Sk

Engineering Controls:

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below the limits.

Respiratory Protection:

No special protective equipment is usually needed when using this product. Use a Safe Work Australia approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Plastic gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered. Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection: Eye protection is not required under normal conditions of use.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Ear tag
Colour:	Orange
Odour:	Mild mercaptan odour
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/Melting range:	~150 °C
Initial Boiling Point/Boiling Range:	Not applicable
Flash Point:	No information available

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Flammability:	No information available
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not determined
Upper:	Not determined
Vapour Pressure at 20 °C:	0.027 Pa (diazinon)
Relative Density:	1.18
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water at 20 °C:	40 mg/kg (diazinon)
Partition Coefficient (n-octanol/water):	No information available

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat, open flames and direct sunlight.

Incompatible Materials: No information available

Hazardous Decomposition Products:

Oxides of carbon, hydrogen cyanide, hydrogen chloride, chlorine, phosgene, substituted pyrimidines and organophosphates.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

333-41-5 diazinon (ISO)

Oral	LD ₅₀	300 mg/kg (rat)
Dermal	LD ₅₀	900 mg/kg (rat)
Inhalation	LC ₅₀ /4 h	3.5 mg/L (rat)

For the product:

Oral LD50 (rat) >2000 mg/kg (estimated for whole tag)

Oral LD50 (rat) >2000 mg/kg (for small particles)

Dermal LD50 (rat) >5050 mg/kg

Acute Health Effects

Inhalation: May cause respiratory tract irritation with coughing, sore throat and runny nose.

Skin:

May irritate the skin. Skin absorption of this product may cause inhibition of the enzyme cholinesterase with increased sweating, muscle contractions, tearing and constricted pupils.

Eye: May cause eye irritation, reddening, tearing, stinging and swelling.

Ingestion:

Harmful if swallowed. May cause headache, giddiness, nervousness, nausea, weakness, diarrhoea, cramps, chest pain, constricted pupils, blurred vision, tearing and excessive sweating and salivation.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

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Carcinogenicity: This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Causes damage to organs through prolonged or repeated exposure.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** Repeated minor exposure may have a cumulative poisoning effect.**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:**

The Australian Acceptable Daily Intake (ADI) for diazinon for a human is 0.001 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 0.02 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Comm. Dept. of Health and Ageing, Office of Chemical Safety, 'ADI List', June 2014).

Diazinon is cholinesterase inhibitor. Overexposure may cause headache, giddiness, blurred vision, weakness, nausea and cramps.

12 . ECOLOGICAL INFORMATION

Ecotoxicity: No information available**Aquatic toxicity:** Toxic to aquatic life with long lasting effects.**Persistence and Degradability:** No information available**Bioaccumulative Potential:** No information available**Mobility in Soil:** No information available

13 . DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION

UN Number Not regulated**Proper Shipping Name** Not regulated**Dangerous Goods Class** Not regulated**Packing Group:** Not regulated

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

333-41-5 diazinon (ISO)

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 6

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16 . OTHER INFORMATION

Date of Preparation or Last Revision: 13.10.2015**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC₅₀: Lethal concentration, 50 percentLD₅₀: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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