



AGWAY INC., PO BOX 4933, SYRACUSE, NEW YORK 13221-4933
SAFETY & LOSS CONTROL DEPARTMENT (315) 449-6603

September 8, 1988

Syracuse City School District
725 Harrison Street
Syracuse New York 13210

Attn: Carole E. Wasko, Facilities Planning
To Whom it May Concern:

_____ The Material Safety Data Sheet(s) you requested is/are enclosed.

X

_____ The Material Safety Data Sheets you requested are enclosed except for the following:

19-26-5 Special Mix

This information is being retained so that you will automatically receive these MSDS as soon as they are available.

Comment:

Please feel free to contact our office if you have any questions concerning this material or we may be of further assistance.

Sincerely,

Esther Mae Hickok
Esther Mae Hickok
MSDS Coordinator JS,
Risk & Environmental Quality
Safety & Loss Control Department

KM153

Material Safety Data Sheet

Page: 1
Rev. Date
12/07/92~~Malathion Insect Spray~~Agway, Inc. - Crop Services
P.O. Box 4741
Syracuse, NY 13221-4741

Telephone Number: (315)449-6491

Emergency Contact: CHEMTREC (transport. emergency)
Emergency Phone Number: (800)424-9300

SECTION #1 - IDENTIFICATION

Product: Malathion Insect Spray

Product Code: 850213,-215,-217

EPA Reg. No.: 8590-228

Chemical Family: Organic Phosphates

SECTION #2 - HAZARDOUS CHEMICAL COMPONENTS

Component: Aromatic Hydrocarbon
CAS Number: 64742-95-6
ACGIH-PRL = 100 ppm

Percent of Mixture: 32.9

Component: Malathion
CAS Number: 121-75-5
TWA = 10 mg/m3

Percent of Mixture: 56.1

SECTION #3 - PHYSICAL DATA

Vapor Pressure: .00004mmHg@30C

Specific Gravity: 1.062

Solubility (H2O): 145ppm @ 25C

** data pertains to technical material only

Appearance

Light straw colored liquid

Odor

Mercaptan-type odor

SECTION #4 - FIRE FIGHTING & EXPLOSION DATA

Flash Point: 325°F TAG open cup

Fire and Explosion Hazards

Toxic irritating gases may be formed.

Extinguishing Media

Foam, carbon dioxide and dry chemical. Foam system is preferred because uncontrolled water can spread possible contamination.

Special Fire Fighting Instructions

Use positive pressure self-contained breathing apparatus

4/1/93
PROD. CODE

1600

MSDS #

Material Safety Data Sheet**Malathion Insect Spray**Page: 2
Rev. Date
12/07/92**SECTION #5 - EXPOSURE EFFECTS and FIRST AID**Route of Exposure - Inhalation

Signs and symptoms of excessive exposure may be eye and upper respiratory tract irritation, feeling of increased body heat, central nervous system effects such as headache, dizziness, incoordination, drowsiness, unconsciousness.

First Aid - Inhalation

Remove to fresh air if effects occur. Consult a physician.

Route of Exposure - Skin

Prolonged exposure may result in the material being absorbed in harmful amounts. The LD50 for skin absorption in rabbits is 4100 mg/kg. Prolonged or repeated contact may cause skin irritation.

First Aid - Skin

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing, wash before reuse. Call a physician if irritation persists.

Route of Exposure - Eyes

May cause mild eye irritation. Vapors may irritate the eyes.

First Aid - Eyes

Irrigate with flowing water immediately and continuously for 15 minutes. Consult a physician.

Route of Exposure - Ingestion

Single dose oral toxicity is moderate. Amounts ingested incidental to product use are not likely to cause injury, however, ingestion of larger amounts could cause serious injury.

First Aid - Ingestion

Do not induce vomiting. Call a physician and/or transport to emergency facility immediately.

Health Conditions Aggravated By Exposure

Excessive exposure may produce organophosphate type cholinesterase inhibition. Signs and symptoms of excessive exposure to the hazardous component may be headache, dizziness, incoordination, muscle twitching, tremors, nausea, abdominal cramps, diarrhea, sweating, pinpoint pupils, blurred vision, salivation, tearing, tightness in the chest, excessive urination, convulsions. Hazardous component produced mild adrenal effects during use of this product.

SECTION #6 - REACTIVITY & POLYMERIZATION

Stability: Stable

Conditions to Avoid (Stability)

Avoid heating above 49C, 120F. Cythion undergoes exothermic decomposition at approximately 150C. Unstable at pH 12.

Incompatible Materials

Strong alkalis and oxidizers.

Material Safety Data Sheet

Malathion Insect Spray

Page: 3
Rev. Date
12/07/92**SECTION #6 - REACTIVITY & POLYMERIZATION Continued...**Hazardous Decomposition Products

Under fire conditions, hydrogen sulfide, ethyl sulfide, diethyl sulfide methyl mercaptan, and oxides of carbon, sulfur, and phosphorus.

Hazardous Polymerization: Will not occur

SECTION #7 - SPILL, LEAK, & DISPOSAL PROCEDURESSteps to be Taken in The Event of Spills, Leaks, or Release

Absorb spills with materials such as sand, floor clay or dirt. Contain spills by diking to keep out of sewers.

Waste Disposal Methods

Do not contaminate food, feed or water by storage or disposal. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal law. Use according to label instructions, otherwise contact your state or federal environmental control agency for disposal guidance.

SARA Title III Notifications and Information

Reportable Quantity Pounds: 180

SARA Title III - Hazard Classes: Acute Health Hazard
Chronic Health Hazard
Fire Hazard

SARA Title III - Section 313 Supplier Notification:

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372:

CAS #	Chemical Name	Percent of Mixture
64742-95-6	Aromatic Hydrocarbon	32.9

This information must be included on all MSDSs that are copied and distributed for this material.

Other Environmental Information

DOT Classification: None as packaged

Section 313 Chemicals: Aromatic hydrocarbon contains the following reportable ingredients.

Trimethylbenzene	CAS# 96-63-6	21% max
Cumene	98-82-8	5%
Xylene	1330-20-7	5%
Ethylbenzene	100-41-4	1%

Freight Classification: Insecticides, Fungicides, Insect or Animal Repellants, or Vermin Exterminators or Dip, N.O.I. (other than poison)

SECTION #8 - SPECIAL PROTECTIVE MEASURESVentilation

Use only with adequate ventilation

Material Safety Data Sheet

Malathion Insect Spray

Page: 4
Rev. Date
12/07/92**SECTION #8 - SPECIAL PROTECTIVE MEASURES Continued...****Eye Protection**

Use chemical goggles

Skin Protection

Use protective clothing impervious to this material. Use of items such as gloves, boots, apron, or full-body suit will depend on the operation.

Respiratory Protection

Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required for certain operations, use an approved air-purifying respirator.

SECTION #9 - SPECIAL PRECAUTIONS - STORAGE & HANDLING**Storage & Handling Conditions**

See label. Keep out of reach of children. Do not swallow. Do not get in the eyes, on skin or on clothing. Avoid breathing mist or vapors. Keep away from heat or open flame. Wash thoroughly after handling. Keep away from food, feedstuffs and domestic water supplies.

SECTION #10 - SHIPPING INFORMATION

Proper Shipping Name: NA as packaged

Hazard Class: 5.1

DOT Shipping Label: NA

Packaging Requirements: None

SECTION #11 - OTHER INFORMATION

Americal Cyanamid, Cythion (R) ULV Insecticide, MSDS: 7020-02, dated 10/15/90.

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, since the actual use of the product is beyond manufacturers control, no warranty, expressed or implied, is given and no responsibility assumed. Regulatory requirements governing this product are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure that the buyer's activities comply with federal, state and local laws.

