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Material Safety Data Sheet

Liquid Sevin 4F

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08/31/93

Agway, Inc. - Crop Services
Post Office Box 4741
Syracuse, NY 13221-4741

Telephone Number: (315)449-6491

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

NFPA Rating
Health 2
Flammability NA
Reactivity 0

SECTION #1 - IDENTIFICATION

Product: Liquid Sevin 4F

Product Code: 850-150,152,154

EPA Reg. No.: 8590-419

Chemical Family: Carbamate

SECTION #2 - HAZARDOUS CHEMICAL COMPONENTS

Component: Carbaryl (1-Naphthyl Methylcarbamate)

CAS Number: 63-25-2

Percent of Mixture: 43.4

TLV = 5 mg/m3

SECTION #3 - PHYSICAL DATA

Boiling Point: 209.8°F

Vapor Pressure: N/A

Vapor Density (Air=1): 0.62

Specific Gravity: 1.11 @ 20 C

Solubility (H2O): Miscible

pH: 4-5.0

Data pertains to Carbaryl only

Appearance

White to cream-colored liquid

Odor

Mild odor

SECTION #4 - FIRE FIGHTING & EXPLOSION DATA

Flash Point: NA°F

Fire and Explosion Hazards

Foam system is preferred because uncontrolled water can spread possible contamination. Toxic irritating gasses may be formed.

Extinguishing Media

Use CO2, dry chemical for small fires. Use water or foam for large fires.

Special Fire Fighting Instructions

Wear protective clothing and use positive pressure self-contained breathing apparatus. Wash thoroughly and immediately with large volumes of soap and water if contacted by pesticides.

SECTION #5 - EXPOSURE EFFECTS and FIRST AID

Route of Exposure - Inhalation

May be irritating to the respiratory tract.

MSDS# 3122 PROD. CODE

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08/31/93**SECTION #5 - EXPOSURE EFFECTS and FIRST AID Continued...****First Aid - Inhalation**

Remove to fresh air. Give oxygen if breathing is difficult. Consult a physician.

Route of Exposure - Skin

Prolonged exposure may result in the material being absorbed in harmful amounts. Symptoms may lead to rapid onset of nausea, vomiting, abdominal pain, diarrhea, pinpoint pupil, blurred vision, profuse sweating, salivation, tremor, muscle twitching, and temporary paralysis. In severe poisoning respiratory depression and convulsions may occur.

First Aid - Skin

Flush effected areas with plenty of soap and water. Remove contaminated clothing and wash before reuse. Call a physician if irritation persists.

Route of Exposure - Eyes

No evidence of adverse effects from available information.

First Aid - Eyes

Hold eyelids open and flush immediately and continuously with water for 15 minutes. Consult a physician.

Route of Exposure - Ingestion

Harmful if ingested with symptoms described above for skin absorption.

First Aid - Ingestion

Induce vomiting immediately. Give 2-3 glasses of water and induce vomiting by sticking your finger to the back of throat or one tablespoon of syrup of Ipecac. Do not make an unconscious person vomit. Get medical attention immediately.

Miscellaneous Toxicological Information

Notes to physician: Atropine is an antidote.

Health Conditions Aggravated By Exposure

Skin irritation may be aggravated in persons with existing skin lesions. Breathing of vapors or sprays may aggravate acute or chronic asthma and chronic pulmonary disease such as emphysema or bronchitis. Overexposure may aggravate existing chronic cardiovascular or respiratory disease, leading to respiratory difficulty, pulmonary edema and cyanosis.

SECTION #6 - REACTIVITY & POLYMERIZATION

Stability: Stable

Conditions to Avoid (Stability)

Extended storage at temperatures in excess of 100 Degrees Fahrenheit (37.8 C)

Incompatible Materials

Avoid contamination with aquaous mineral acids, and alkalies.

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SECTION #6 - REACTIVITY & POLYMERIZATION Continued...

Hazardous Decomposition Products

May include nitrogen oxides, carbon monoxide, carbon dioxide methyl isocyanate and sulfur dioxide.

Hazardous Polymerization: Will not occur

SECTION #7 - SPILL, LEAK, & DISPOSAL PROCEDURES

Steps to be Taken in The Event of Spills, Leaks, or Release

Dike large spills using absorbent or impervious materials such as sand or clay. Recover and contain as much free liquid as possible. Absorb small spills on sand or vermiculite. Place contaminated material in appropriate container for disposal. Do not flush material to public sewer system or any waterways. Ensure adequate decontamination of tools and equipment following cleanup.

Waste Disposal Methods

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

SARA Title III Notifications and Information

Reportable Quantity Pounds: 230

SARA Title III - Hazard Classes: Acute Health 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
63-25-2	Carbaryl (1-Naphthyl Methylcarbamate)	43.4

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

Other Environmental Information

DOT Classification: None as packaged

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

SECTION #8 - SPECIAL PROTECTIVE MEASURES

Ventilation

Use with adequate ventilation.

Eye Protection

Use chemical goggles.

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08/31/93**SECTION #8 - SPECIAL PROTECTIVE MEASURES Continued...****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

Use a NIOSH approved respirator for pesticide vapors and sprays.

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

See label. Keep out of the reach of children. Do not swallow. Avoid getting in the eyes, on skin, or on clothing. Avoid exposure by inhalation. Keep away from heat or open flame. Wash thoroughly after handling. Keep away from food, feed and domestic water supplies.

SECTION #10 - SHIPPING INFORMATION

Proper Shipping Name: NA as packaged

Hazard Class: NA

DOT Shipping Label: NA

Packaging Requirements: None

SECTION #11 - OTHER INFORMATION

Rhone-Poulenc, 1-Naphthyl N-methylcarbamate, MSDS 1/18/90.

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 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.