

MATERIAL SAFETY DATA SHEET

PRODUCT: GrubOut™ Ant & Grub Killer (Attach & Spray)

SECTION 1 - PRODUCT INFORMATION

P.C.P. Act Registration No.: 26699

Product Code: 7 30248 0

Chemical Name: Carbaryl (1-Naphthyl N-methylcarbamate)

Synonyms: Sevin

Product Use: Domestic Insecticide

TDG Classification: Per Case: Limited Quantity, >500 Kg: Class 9

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous ingredients	Weight %	CAS Reg #	LD50 (mg/Kg)	TWA - TLV
Carbaryl	22.5	63-25-2	Oral, rat 1947 Dermal, rabbit >2000	LD50, rat 2.5mg/L/4 hr
Calculated LD50 for mixture			8660	

SECTION 3 - PHYSICAL DATA

Physical State: Liquid

Specific Gravity: 1.07

Boiling Point: 100.2 °C

Vapour Pressure: 18.1 mm Hg

% Volatilise: No Data

Solubility in Water: Miscible

Appearance\Odour: White to cream, mild odour

pH: 4.0-5.0

Freezing/Melting Point: - 3 °C

Vapour Density: No Data

Evaporation Rate: No Data

SECTION 4 - FIRE AND EXPLOSION

Flash Point: Not Applicable

Lower Explosion Limit %: No Data

Fire Extinguishing Media: Dry Chemical, Foam, Carbon Dioxide, Water Fog

Fire Fighting Procedures: Wear Self-contained Breathing Apparatus and impervious clothing. Minimize the amount of water used and contain the run-off.

Other Fire or Explosion Hazards: None Known.

Autoignition Temperature: No Data

Upper Explosion Limit %: No Data

SECTION 5 - REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Will Not Occur

Conditions to Avoid: Prolonged exposure to elevated temperatures, 37.8 °C and above. Avoid contamination with reactive substances.

Incompatibility (Materials to Avoid): Avoid contact with acidic, basic or oxidizing agents.

Hazardous Decomposition Products: Oxides of Carbon and Nitrogen. Methyl isocyanate.

SECTION 6 - HEALTH HAZARD DATA

Acute Effects of Overexposure: May cause temporary irritation to eyes, nose, throat, skin and respiratory tract. Inhalation or ingestion may cause nausea, vomiting, abdominal pain, diarrhoea, pinpoint pupils, blurred vision, profuse sweating, salivation, tremor and nervous systems symptoms. Harmful if absorbed through the skin.

Effects of Chronic Exposure: None Known.

GrubOut™ Ant & Grub Killer (A&S)

Note to Physicians: Treat symptomatically. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. This product contains methyl carbamate insecticide, which is a cholinesterase inhibitor. Overexposure to this substance may cause toxic signs and symptoms due to stimulation of the cholinergic nervous system. These effects of overexposure are spontaneously and rapidly reversible. Specific treatment consists of parenteral atropine sulphate. Improve tissue oxygenation as much as possible before administering atropine to minimize the risk of ventricular fibrillation.

Mild cases may be given 1 to 2 mg intramuscularly every 10 minutes until full atropinization has been achieved and repeated thereafter whenever symptoms reappear. Severe cases should be given 2 to 4 mg intramuscularly every 30 to 60 minutes as needed to maintain the effect for at least 12 hours.

Dosages for children should be appropriately reduced. Complete recovery from over-exposure is to be expected within 24 hours.

SECTION 7 - FIRST AID PROCEDURES

Inhalation: Move victim to fresh air and restore breathing if required. Obtain medical advice if symptoms persist.

Skin Contact: Wash skin thoroughly with soap and water. If irritation persists seek medical attention.

Ingestion: Give 1 to 2 glasses (200 to 500 ml) of water to dilute material. If vomiting should occur have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer more water. Do not induce vomiting or give anything by mouth to an unconscious person. OBTAIN MEDICAL ADVICE.

Eye Contact: Flush eyes with running water for 20 minutes. Hold eyelids open during flushing. If irritation persists seek Medical Attention.

SECTION 8 - PREVENTIVE MEASURES

Respiratory Protection: NIOSH/MSHA approved respirator, if required.

Eye Protection: Safety goggles.

Skin Protection: Chemical resistant gloves.

Other Personal Protective Equipment: Coveralls.

Engineering Controls: Local exhaust or ventilation.

Handling Procedures and Equipment: Avoid breathing vapours, contact with eyes, skin and clothing. Wash thoroughly after use.

Storage Requirements: Store in cool, dry, ventilated area. Keep out of reach of children and pets.

Storage Temperature: Min: 0 ° C Max: 40 ° C

SECTION 9 - ENVIRONMENTAL PROTECTION DATA

Spill and Leak Procedures: Stop leak, contain spill by diking and absorb with suitable absorbent and transfer into waste container for disposal. Clean area with detergent and water, absorb wash and place in waste container.

Remove any contaminated soil for proper disposal.

Waste Disposal: Dispose of empty container in household garbage. Dispose of waste product in accordance with Local, Provincial or Federal government regulations.

Environmental Effects: Do not contaminate local water supplies or environments.

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Prepared by: Technical Department

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