



MATERIAL SAFETY DATA SHEET

SALTOZON 14 G

IDENTIFICATION OF THE SUPPLIER:

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PRODUCT IDENTIFICATION:

Common Name: Diazinon
Trade Name: Saltozon 14 G
Uses category: Insecticide
Type of formulation: Granules (G)
Chemical Name: O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate
Chemical Formula: C₁₂H₂₁N₂O₃PS
Molecular Weight: 304.3

PRODUCT COMPOSITION:

Active Ingredient:	% w/v	CAS #
Diazinon	14.5%	[333-41-5]
Inert ingredient:		
Inert material	up to 100%	





HAZARDS IDENTIFICATION:

Symptoms of Over Exposure

May be harmful if swallowed or inhaled. Irritation of eyes, nasal passages, throat and skin. Signs and symptoms include those typical of organophosphate intoxication: Depression of cholinesterase activity, weakness, tightness in chest, headache, blurred vision, non-reactive pin-point pupils, nausea, vomiting, diarrhea, abdominal cramps, muscular fibrillation, convulsions, pulmonary edema, possible cardiac arrest and death. Severe intoxication is not likely from this product. Because this formulation contains silica, silicosis (a lung disease) may result. IARC (1987) has concluded there is sufficient evidence for carcinogenicity of crystalline silica in experimental animals, and limited evidence for carcinogenicity in humans

Medical Conditions Likely to be Aggravated by Exposure

Pre-existing depressed cholinesterase levels, persons with hemolytic anemias or under treatment with morphine, theophylline, aminophylline or phenothiazine drugs. Pre-existing lung, kidney, liver or gastrointestinal conditions.

Primary Routes of Exposure

Harmful if ingested, inhaled, or if it comes into contact with eyes or skin.

Hazardous Decomposition Products

CO, CO₂, aliphatic organo-phosphates, substituted pyrimidines, HCN. S-TEPP and diazoxon may form when diazinon is reacted with trace amounts of water.

Unusual Fire, Explosion, and Reactivity Hazards

Dusts may present explosion hazard.

FIRST-AID MEASURES:

If poisoning is suspected, immediately contact a physician, the nearest hospital, or the nearest Poison Control Center. Tell the person contacted the complete product name, and the type and amount of exposure. Describe any symptoms and follow the advice given.

Ingestion: Call a physician immediately. Drink one or two glasses of water and induce vomiting by touching back of the throat with finger. Repeat until





vomit fluid is clear. Do not induce vomiting or give anything by mouth if person is unconscious or convulsing.

Inhalation: Remove victim to fresh air and apply artificial respiration if indicated.

Eye Contact: Rinse eyes with plenty of water and call a physician immediately.

Skin Contact: Wash promptly with soap and water. Rinse thoroughly. Get medical attention.

Note to Physician

This product is an organophosphate insecticide. 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.

FIRE-FIGHTING MEASURES: -

Flashpoint (test method): Not applicable

Flammable Limits (% in air): Not applicable

Autoignition Temperature: Not available

Appropriate Extinguishing Media

Use dry chemical, foam, or CO₂.

Fire Fighting Guidance

Isolate fire area. Evacuate downwind residents. Wear full protective clothing and self-contained breathing apparatus.

Do not breathe smoke or vapors generated. If water is used to fight fire, dike area to contain run-off and prevent contamination of water supplies.

Unusual Fire, Explosion, and Reactivity Hazards

Dusts may present explosion hazard.

ACCIDENTAL RELEASE MEASURE:

In Case of Spills or Leaks

Isolate and post spill area. Wear prescribed protective clothing and equipment. Keep out animals and unprotected persons. Keep material out of streams and sewers. Large spills should be covered to prevent dispersal.





Vacuum or shovel wastes into an approved drum. To decontaminate spill area, tools and equipment, wash with a suitable solution (i.e., organic solvent, detergent, bleach or caustic), and add the solution to the drums of wastes already collected. Label drums for contents. Dispose of drummed wastes, including decontamination solution, in an approved waste disposal facility. For minor spills, leaks, etc., follow all precautions indicated on the label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup and disposal of wastes.

PERSONAL PROTECTION/SAFETY:

Engineering Controls

Thoroughly ventilate all transport vehicles prior to unloading. Use local exhaust at all process locations to control employee exposure.

Eye/Face Not required; use normal safety precautions.

Skin Protection Rubber (synthetic or natural) gloves.

Respiratory Protection Not required; use normal safety precautions.

Other/General Protection Harmful if swallowed. Avoid contact with eyes and skin. Avoid inhalation of dust or spray mist.

Applicators/Handlers Long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks must be worn.

User Safety Recommendations: Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Additional Protection Information: Emergency eyewash fountain should be located nearby. Follow manufacturers instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

HANDLING AND STORAGE:

Precautions in storing

DO NOT contaminate water, food or feed by storage or disposal. Store in a cool, dry, well-ventilated area away from food or feed. Avoid excess heat.





Store in original containers only. Keep out of reach of children and animals. Do not contaminate other pesticides and fertilizers by storage or disposal.

STABILITY AND REACTIVITY:

Stability: Stable

Hazardous Polymerization: Will not occur

Decomposition Products: CO, CO₂, aliphatic organo-phosphates, substituted pyrimidines, HCN. S-TEPP and diazoxon may form when diazinon is reacted with trace amounts of water.

Hazardous Mixtures: Strong oxidizers, bases

Conditions To Avoid: Excessive heat and fire. Water, acids and bases. Thermal decomposition and burning may produce toxic by-products.

PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: blue granules

Odor: characteristic odor

PH: 8 – 10

Density: 1.05 g/kg

Flammability: non flammable

Explosivity: may present explosive

Corrosivity: non corrosive

TOXICOLOGICAL INFORMATION:

Acute Toxicity/Irritation Studies

Ingestion: Acute Oral LD50 (rat): >1,700 mg/kg body weight

Dermal: Acute Dermal LD50 (rabbit): >5,800 mg/kg body weight

Inhalation: Acute Inhalation LC50 (rat): >3.0 mg/L air – 4 hour

Eye Contact: Slightly irritating

Skin Contact: Slightly irritating





ECOLOGICAL INFORMATION: -

Summary of Effects Diazinon

This product is highly toxic to birds, fish, and other wildlife. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Do not exceed maximum permitted label rates. Application rates above those recommended significantly increase potential hazards to birds. Avoid overlapping of granules. Collect or incorporate granules that are spilled during loading or are visible on soil surface in turn areas. Keep out of lakes, streams, ponds, tidal marshes, and estuaries. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Shrimp and crab may be killed at application rates recommended on the label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters.

DISPOSAL CONSIDERATIONS:

Pesticide Disposal

Pesticide or equipment rinsate that cannot be used according to the label instructions may be disposed of on site or at an approved waste disposal facility. For information concerning the proper disposal of pesticide-related wastes, contact your State Environmental Department, State Department of Agriculture, or the Regional Office of the Environmental Protection Agency for your area.

Container Disposal

Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles into application equipment. Then dispose of empty bag in a sanitary landfill or incinerate, or burn if allowed by State and local authorities. Stay out of smoke during burning. Do not reuse container.

