
"DUPONT" "SINBAR" HERBICIDE
GPA00051 Revised 16-FEB-2006 Printed 16-FEB-2006

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

"Sinbar" is a registered trademark of DuPont.

Corporate MSDS Number : DU003088
Grade : AN 80% FORMULATION

Product Use

Herbicide

Company Identification

MANUFACTURER/DISTRIBUTOR

E.I. du Pont Canada Company
P.O. Box 2200
Streetsville
Mississauga, Ontario L5M 2H3

PHONE NUMBERS

Product Information : 1-800-387-2122
Medical Emergency : 1-800-441-3637 (24 hours)

COMPOSITION/INFORMATION ON INGREDIENTS

Components

| Material | CAS Number | % |
|---|------------|------|
| *TERBACIL (3-TERT-BUTYL-5-CHLORO-6-METHYLURACIL) | 5902-51-2 | 80 % |
| INERT INGREDIENTS | | 20 % |

* Disclosure as a toxic chemical is required under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

HAZARDS IDENTIFICATION

Emergency Overview

CAUTION! Harmful if swallowed. Wash thoroughly with soap and water after handling. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing.

(HAZARDS IDENTIFICATION - Continued)

Potential Health Effects

Skin contact with Sinbar may cause skin irritation with itching, redness or swelling.

Eye contact with Sinbar may cause eye irritation with tearing, pain or blurred vision.

Based on the active ingredient, ingestion of Sinbar may cause abnormal liver function with altered enzyme levels in the blood.

Inhalation of Sinbar may cause irritation of the upper respiratory passages with coughing and discomfort.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

FIRST AID MEASURES

First Aid

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then, continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF INHALED: No specific intervention is indicated, as the compound is not likely to be hazardous by inhalation. Consult a physician if necessary.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-441-3637 for emergency medical treatment information.

FIRE FIGHTING MEASURES

Flammable Properties

Flammable limits in Air, % by Volume
LEL : 0.058 g/L

May be ignited by heat or open flame.

Like most organic powders or crystals, under severe dusting conditions, this material may form explosive mixtures in air.

Extinguishing Media

Water Spray, Foam, Dry Chemical, CO2.

Fire Fighting Instructions

Wear self-contained breathing apparatus. Use water spray. Runoff from fire control may be a pollution hazard.

If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the contamination hazard.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Initial Containment

Dike spill. Prevent material from entering sewers, waterways, or low areas.

Spill Clean Up

Shovel or sweep up.

Accidental Release Measures

If spill area is on ground near trees or other valuable plants, remove top 2 inches of soil after initial cleanup.

Material Safety Data Sheet

HANDLING AND STORAGE

Handling (Personnel)

Avoid breathing vapors or mist. Avoid breathing dust. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

USERS SHOULD: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Handling (Physical Aspects)

Avoid dust generation. Keep away from heat, sparks and flames.

Storage

Store product in original container only. Do not contaminate water, other pesticides, fertilizer, food or feed in storage.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Use only with adequate ventilation.

When handlers use closed systems, or enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR part 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Personal Protective Equipment

Some materials that are chemically resistant to this product are listed below. If you want more options, follow the instructions for Category A on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

Long-sleeved shirt and long pants.

Chemical-resistant gloves Category A, such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber, all greater than or equal to 14 mils.

Shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

(EXPOSURE CONTROLS/PERSONAL PROTECTION - Continued)

PPE Required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

Coveralls.

Chemical-resistant gloves Category A, such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber, all greater than or equal to 14 mils.

Shoes plus socks.

Exposure Guidelines

Applicable Exposure Limits

TERBACIL

PEL (OSHA) : None Established

TLV (ACGIH) : None Established

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

pH : 8.5-9.5 - 2% in d-water @ 25 deg C (77 deg F)
Odor : Odorless
Form : Wettable powder
Color : Off-white
Bulk Density (Loose) : 21-24 lb/cu ft

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Incompatibility with Other Materials

None reasonably foreseeable.

Decomposition

Decomposition will not occur.

Polymerization

Polymerization will not occur.

TOXICOLOGICAL INFORMATION

Animal Data

Sinbar

Oral LD50: > 500 mg/kg in female rats
Oral LD50: 2784 mg/kg in male rats
(Slightly toxic by ingestion)
Dermal LD50: > 5000 mg/kg in rabbits
(very low to slightly toxic)
Inhalation 4 hour LC50: > 5.3 mg/L in rats
(Very low toxicity)

Sinbar is a moderate skin irritant and a moderate eye irritant, but is not a skin sensitizer in animal tests.

Animal testing indicates that Terbacil, the active ingredient, does not have carcinogenic or reproductive effects.

Developmental effects were observed in animal studies with Terbacil but only at doses that were maternally toxic.

Terbacil does not produce genetic damage in animals or in bacterial or mammalian cell cultures.

ECOLOGICAL INFORMATION

Ecotoxicological Information

AVIAN TOXICITY:

TERBACIL

LD50 - Bobwhite Quail: > 2250 mg/kg.

LC50 - Mallard Duck: > 5000 ppm

AQUATIC TOXICITY:

SINBAR

96 hour LC50 - Rainbow trout: 54-79 ppm.

96 hour LC50 - Bluegill sunfish: 112 ppm.

DISPOSAL CONSIDERATIONS

Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Do not flush to surface water or sanitary sewer system.

(DISPOSAL CONSIDERATIONS - Continued)

Do not contaminate water, food or feed by storage or disposal. Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

Environmental Hazards

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters. Terbacil has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion. This chemical also has properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

Container Disposal

For Paper and Plastic Bags: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

For Fiber Drums with Liners: Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

TRANSPORTATION INFORMATION

Shipping Information

DOT/IMO
Proper Shipping Name : NOT REGULATED

Shipping Information -- Canada

This material is Not Regulated.

Please contact DuPont Canada Inc. for details.

REGULATORY INFORMATION

U.S. Federal Regulations

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

Acute : Yes
Chronic : No
Fire : No
Reactivity : No
Pressure : No

Canadian Regulations

Regulated under the Pest Control Products Act--WHMIS Exempt

Registration No. 10628 Pest Control Products Act

OTHER INFORMATION

NFPA, NPCA-HMIS

NFPA Rating
Health : 1
Flammability : 1
Reactivity : 0

NPCA-HMIS Rating
Health : 1
Flammability : 1
Reactivity : 0

Personal Protection rating to be supplied by user depending on use conditions.

Additional Information

This product is registered and controlled under EPA/FIFRA.

EPA Reg. No. 352-317

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

(Continued)

Responsibility for MSDS

----- Crop Protection E.I. du Pont Canada Company
Box 2200, Streetsville
Mississauga, Ontario L5M 2H3
(905) 821-3300.

Indicates updated section.

End of MSDS