



DuPont  
Material Safety Data Sheet

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M0000385 "TELAR" DF HERBICIDE Revised 9-MAR-1998 Printed 28-APR-1998  
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CHEMICAL PRODUCT/COMPANY IDENTIFICATION  
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Material Identification

"TELAR" is a registered trademark of DuPont.

Corporate MSDS Number : DU008091  
Grade : 75% FORMULATION

Company Identification

MANUFACTURER/DISTRIBUTOR  
DuPont  
1007 Market Street  
Wilmington, DE 19898

PHONE NUMBERS

Product Information : 1-800-441-7515  
Transport Emergency : CHEMTREC 1-800-424-9300  
Medical Emergency : 1-800-441-3637

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COMPOSITION/INFORMATION ON INGREDIENTS  
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Components

Material	CAS Number	%
*CHLORSULFURON (2-CHLORO-N-[[4-METHOXY-6-METHYL-1,3,5-TRIAZIN- 2-YL)AMINO]CARBONYL]BENZENESULFONAMIDE)	64902-72-3	75
INERT INGREDIENTS		25

\* 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.

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HAZARDS IDENTIFICATION  
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Emergency Overview

CAUTION! MAY IRRITATE EYES, NOSE, THROAT OR SKIN. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing.

Potential Health Effects

Based on animal data, Telar DF Herbicide may cause eye irritation with discomfort, tearing, or blurring of vision.

## (HAZARDS IDENTIFICATION - Continued)

## 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.

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FIRST AID MEASURES  
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## First Aid

## INHALATION

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

## SKIN CONTACT

In case of contact, wash skin with plenty of soap and water. Get medical attention if irritation persists.

## EYE CONTACT

In case of contact, flush eyes with plenty of water. Call a physician if irritation persists.

## INGESTION

If ingested, call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching the back of the throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

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FIRE FIGHTING MEASURES  
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## Flammable Properties

The material poses no explosion hazard in granular form.

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. Cool tank/container with water spray.

## (FIRE FIGHTING MEASURES - Continued)

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

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ACCIDENTAL RELEASE MEASURES  
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## Safeguards (Personnel)

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

Emergency Response - Chemical resistant coveralls, waterproof gloves, waterproof boots and face/eye protection. If dusting occurs, use NIOSH approved respirator protection.

## Initial Containment

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

## Spill Clean Up

Shovel or sweep up.

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HANDLING AND STORAGE  
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## 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 use 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)

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.

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EXPOSURE CONTROLS/PERSONAL PROTECTION  
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## Engineering Controls

Use only with adequate ventilation.

## Personal Protective Equipment

No PPE is specified; however, avoid contact with skin, eyes, and clothing.

Wear an approved pesticide respirator if exposure may exceed the AEL value.

## Exposure Guidelines

## Applicable Exposure Limits

## CHLORSULFURON

PEL (OSHA)	: None Established
TLV (ACGIH)	: None Established
AEL * (DuPont)	: 10 mg/m <sup>3</sup> , 8 & 12 Hr. TWA

\* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

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PHYSICAL AND CHEMICAL PROPERTIES  
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## Physical Data

Solubility in Water	: Dispersible
pH	: 4.5 @ 1% suspension
Odor	: None
Form	: Solid
Color	: Tan
Specific Gravity	: 0.69 @ 25C (77F)
Density	: 0.64-0.74 g/mL

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STABILITY AND REACTIVITY  
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## Chemical Stability

Stable at normal temperatures and storage conditions.

## Incompatibility with Other Materials

None reasonably foreseeable.

## Polymerization

Polymerization will not occur.

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TOXICOLOGICAL INFORMATION  
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## Animal Data

## Telar DF Herbicide

Oral LD50: > 5000 mg/kg in rats  
(Very low toxicity)

Skin Absorption LD50: > 2000 mg/kg in rabbits  
(Slightly to moderately toxic)

Telar DF Herbicide is not a skin irritant or a skin sensitizer, but is a moderate eye irritant in animals.

## Chlorsulfuron

Inhalation 4 hour LC50: > 5.9 mg/L in rats  
(Very low toxicity by inhalation)

The effects in animals from repeated exposures by inhalation to Chlorsulfuron include decreased weight gain, reversible kidney and spleen effects, and bone marrow changes.

Toxicity described in animals from the administration of a single dose of Chlorsulfuron include lung changes, weakness and other nonspecific effects. Repeated dosing caused decreased weight gain, and hematological and clinical chemical changes. Long-term dosing resulted in decreased body weight gain, and slight hematological changes.

Animal testing indicates that Chlorsulfuron, the active ingredient, does not have carcinogenic, or reproductive effects. Developmental toxicity has been observed but only at maternally toxic dose levels.

Chlorsulfuron did not produce genetic damage in bacterial or mammalian cell cultures. It did not produce heritable genetic damage.

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ECOLOGICAL INFORMATION  
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## Ecotoxicological Information

## AQUATIC TOXICITY:

## CHLORSULFURON

96 hour LC50 - Sheepshead minnow: > 980 mg/L.

48 hour EC50 - Oysters: 385 mg/L.

## AVIAN TOXICITY:

CHLORSULFURON Acute Oral LD50 - Mallard Duck: > 5000 mg/kg.

Acute Oral LD50 - Bobwhite Quail: > 5000 mg/kg

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DISPOSAL CONSIDERATIONS  
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## Waste Disposal

Do not contaminate water supply, food or feed by storage or disposal.

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

## Container Disposal

Triple rinse (or equivalent) the container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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TRANSPORTATION INFORMATION  
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## Shipping Information

DOT/IMO  
Proper Shipping Name : Not Regulated

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REGULATORY INFORMATION  
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## U.S. Federal Regulations

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

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

In the United States this product is regulated by the US Environmental Protection Agency under the Federal Insecticide, Fungicide and Rodenticide Act. It is a violation of federal law to use this product in a manner inconsistent with its labeling.

EPA Reg. No. 352-522

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OTHER INFORMATION

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## 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.

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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.

Responsibility for MSDS : DuPont  
Address : Agricultural Products  
Wilmington, DE 19898  
Telephone : 800-441-7515

End of MSDS