



DuPont™ Telar® XP Herbicide

Version 2.0

Revision Date 03/20/2009

Ref. 130000029428

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : DuPont™ Telar® XP Herbicide
 Tradename/Synonym : Chlorsulfuron 75XP
 Chlorsulfuron XP
 DPX-W4189
 Glean XP
 B10045552
 CHLORSULFURON (2-Chloro-N-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)aminocarbonyl] benzenesulfonamide)

MSDS Number : 130000029428
 Product Use : Herbicide

Manufacturer : DuPont
 1007 Market Street
 Wilmington, DE 19898

Product Information : 1-800-441-7515 (outside the U.S. 1-302-774-1000)
 Medical Emergency : 1-800-441-3637 (outside the U.S. 1-302-774-1139)
 Transport Emergency : CHEMTREC: 1-800-424-9300 (outside the U.S. 1-703-527-3887)

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Caution

Harmful if swallowed. Wash thoroughly with soap and water after handling.

Potential Health Effects

Skin

Chlorsulfuron : May irritate skin.

Eyes

Chlorsulfuron : May irritate eyes.

Carcinogenicity

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

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
Chlorsulfuron	64902-72-3	75 %
Inert Ingredients		25 %

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SECTION 4. FIRST AID MEASURES

- Skin contact : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
- Eye contact : 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 centre or doctor for treatment advice.
- Inhalation : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
- Ingestion : Call a poison control centre or doctor for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person.
- General advice : Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
For medical emergencies involving this product, call toll free 1-800-441-3637.
See Label for Additional Precautions and Direction

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media : High volume water jet, (contamination risk)
- Firefighting Instructions : In the event of fire, wear self-contained breathing apparatus. Wear full protective equipment. (on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers / tanks with water spray.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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

- Safeguards (Personnel) : Wear personal protective equipment.
- Spill Cleanup : Clean-up methods - small spillage Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean-up methods - large spillage Prevent further leakage or spillage. Use approved industrial vacuum cleaner for removal. Shovel into suitable container for disposal.
- Accidental Release Measures : Prevent material from entering sewers, waterways, or low areas.



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SECTION 7. HANDLING AND STORAGE

- Handling (Personnel) : Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Handling (Physical Aspects) : Keep away from heat and sources of ignition. Under severe dusting conditions, this material may form explosive mixtures in air.
- Storage : Store in original container. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. Keep out of reach of children.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering controls : When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS. **IMPORTANT:** When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified for "Applicators and Other Handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.
- Personal protective equipment
 - Skin and body protection : Applicators and other handlers must wear:
 - Long sleeved shirt and long pants
 - Chemical resistant gloves made of any waterproof material
 - Shoes plus socks
 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 made of any waterproof material
 - Shoes plus socks
- Protective measures : Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them. 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 Guidelines
 Exposure Limit Values
 Chlorsulfuron
 AEL *

(DUPONT) 10 mg/m³ 8 & 12 hr. TWA Respirable dust.



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* 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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: solid, dry, free flowing, water dispersible granules
Color	: beige
Odor	: mild
pH	: 4.4 - 5.4
Density	: 0.58 - 0.7 g/ml
Water solubility	: dispersible

SECTION 10. STABILITY AND REACTIVITY

Stability	: Stable at normal temperatures and storage conditions.
Incompatibility	: None reasonably foreseeable.
Hazardous decomposition products	: Carbon oxides, nitrogen oxides (NOx)

SECTION 11. TOXICOLOGICAL INFORMATION

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Dermal LD50 : > 5,000 mg/kg , rabbit

Oral LD50 : > 2,000 mg/kg , rat

Skin irritation : Species: rabbit, slight irritation

Eye irritation : Species: rabbit, slight irritation

Sensitisation : Species: guinea pig, Did not cause sensitization on laboratory animals.

Chlorsulfuron

Inhalation 4 h LC50 : > 5.5 mg/l, rat

Repeated dose toxicity : Inhalation, rat
Reduced body weight gain, Kidney effects, Spleen effects, Bloody urine, bone marrow changes

Oral, rat
Reduced body weight gain, altered blood chemistry

Oral, dog
Abnormal decrease in number of red blood cells

Carcinogenicity : A slight increased incidence in tumors was observed in one species, but not in other species.


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	Target(s):	Leydig cells
Mutagenicity	:	Did not cause genetic damage in cultured bacterial cells. Did not cause genetic damage in animals. Did not cause genetic damage in cultured mammalian cells.
Reproductive toxicity	:	Animal testing showed no reproductive toxicity.
Teratogenicity	:	Animal testing showed effects on embryo-foetal development at levels equal to or above those causing maternal toxicity.

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Toxicity

Chlorsulfuron

96 h LC50	:	Oncorhynchus mykiss (rainbow trout) > 122 mg/l
96 h LC50	:	Lepomis macrochirus (Bluegill sunfish) > 128 mg/l
96 h LC50	:	Cyprinodon variegatus (sheepshead minnow) > 980 mg/l
120 h EC50	:	Algae 0.05 ppm
48 h EC50	:	Daphnia magna (Water flea) > 112 mg/l

Toxicity to other organisms

Chlorsulfuron

LD50	:	Anas platyrhynchos (Mallard duck) > 5,000 mg/kg Oral
LD50	:	Colinus virginianus (Bobwhite quail) > 5,000 mg/kg Oral
8 d LC50	:	Colinus virginianus (Bobwhite quail) > 5,620 mg/kg Dietary
8 d LC50	:	Anas platyrhynchos (Mallard duck) > 5,620 mg/kg Dietary

Additional ecological information	:	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 or rinsate.
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SECTION 13. DISPOSAL CONSIDERATIONS



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- Waste Disposal : Do not contaminate water, food or feed by 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 : Refer to the product label for instructions.

SECTION 14. TRANSPORT INFORMATION

Not regulated in transportation by DOT/IMO/IATA.

SECTION 15. REGULATORY INFORMATION

- SARA 313 Regulated Chemical(s) : Chlorsulfuron
- Title III hazard classification : Acute Health Hazard: Yes
Chronic Health Hazard: No
Fire: No
Reactivity/Physical hazard: No
Pressure: No
- EPA Reg. No. : 352-654
In the United States this product is regulated by the US Environmental Protection Agency (EPA) under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA.
- California Prop. 65 : WARNING! This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.
Chlorsulfuron

SECTION 16. OTHER INFORMATION

	NFPA	HMIS
Health :	1	1
Flammability :	1	1
Reactivity/Physical hazard :	0	0

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Contact person : DuPont Crop Protection, Wilmington, DE, 19898, Phone: 1-888-638-7668



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