

-- SAFETY DATA SHEET --

AGRICULTURAL PRODUCTS DEPARTMENT

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product code: B10048070

Product name: CLASSIC* 25 DF

Supplier:
Du Pont de Nemours (France) S.A.S.
137, rue de l'Université
F-75334 Paris Cedex 07 / France
Tel: (33) 1 45 50 65 50

Emergency telephone number:
+27 83 918 8003

Du Pont de Nemours International S.A.
2, chemin du Pavillon
CH-1218 Le Grand Saconnex/GE-Switzerland
Tel: (22) 717 51 11

(44) (0) 2871 861 313 (English)
(49) (0) 6102 17777 (German)
(33) (0)3 28 27 37 00 (French)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation: sulfonylurea based herbicide

Hazardous components	Weight %	CAS-No
Chlorimuron ethyl (active ingredient)	25	90982-32-4

Chemical name of the substance:
Chlorimuron ethyl; Ethyl 2-[[[(4-chloro-6-methoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]benzoic acid

3. HAZARDS IDENTIFICATION

Most important hazards: No hazards to be especially mentioned.

Specific hazards: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

Inhalation: Move to fresh air. Consult a physician after significant exposure.

Skin contact: Wash off immediately with soap and plenty of water.

Eye contact: Rinse immediately with plenty of water, also under the eyelids. Consult a physician if necessary.

Ingestion: Drink 1 or 2 glasses of water. Induce vomiting, but only if victim is fully conscious. Never give anything by mouth to an unconscious person. Consult a physician for severe cases.

* DuPont's registered trademark

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: water spray, dry chemical, foam, carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons: high volume water jet (contamination risk)

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

Specific methods: (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 spray water.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions: wear personal protective equipment.

Environmental precautions: Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Clean up promptly by scoop or vacuum. Use approved industrial vacuum cleaner for removal. If spill area is on ground near valuable plants or trees, remove 5 cm of top soil after initial clean-up. Shovel into suitable container for disposal.

7. HANDLING AND STORAGE

Handling

Technical measures/Precautions: Provide appropriate exhaust ventilation at places where dust is formed.
Safe handling advice: wear personal protective equipment Keep away from heat and sources of ignition.

Storage

Technical measures/Storage conditions: Keep tightly closed in a dry, cool and well-ventilated place.
Store in a place accessible by authorized persons only.
Incompatible products: No materials to be specially mentioned.
Packaging material: No materials to be specially mentioned.
Further information: Keep out of reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure adequate ventilation, especially in confined areas.

Control parameters:

Chlorimuron ethyl; DuPont's acceptable exposure limit: AEL(8-h and 12-hWA) = 10 mg/m³ (total dust),
= 5 mg/m³ (respirable dust); DuPont(1999)

Personal protective equipment

Respiratory protection: respirator with P1 filter.

Eye protection: safety glasses.

Hand protection: protective gloves.

Skin and body protection: protective suit.

Hygiene measures: Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs.

When using, do not eat, drink or smoke. For environmental protection remove and wash all contaminated protective equipment before re-use. Dispose of rinse water in accordance with local and national regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form: solid (dry flowable water dispersible granules)

Colour: off-white

Odour: none

pH:	(20 g/l H ₂ O) 4.8
Flash point:	Not applicable
Explosive properties:	not significant
Bulk density:	690-790 kg/m ³
Solubility	
- water solubility:	dispersible

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Flash point:	Not applicable
Explosive properties:	not significant
Bulk density:	690-790 kg/m ³
Solubility	
- water solubility:	dispersible
Partition coefficient (n-octanol/water):	1.3 (pH7) (chlorimuron ethyl)

10. STABILITY AND REACTIVITY

Stability: No decomposition if stored and applied as directed.

Conditions to avoid: Avoid dust formation in confined areas.

Hazardous decomposition products: carbon oxides, nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD₅₀/oral/rat = > 5000 mg/kg

LD₅₀/dermal/rabbit = > 2000 mg/kg

LC₅₀/inhalation/4h/rat = > 5.0 mg/l (chlorimuron ethyl)

Local effects

Eye irritation No eye irritation.

Skin irritation No skin irritation.

Sensitization: Did not cause sensitization on laboratory animals.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects:

Chlorimuron ethyl

Toxicity to fish and other aquatic fauna:

LC₅₀/96h/rainbow trout = > 1000 mg/kg

LC₅₀/96h/bluegill sunfish = > 100 mg/l

LC₅₀/48h/daphnia = 1000 mg/l

Toxicity to algae:

EC₅₀/72h/algae = 3.1 ug/l

Toxicity to birds:

LC₅₀/8 days/mallard duck = > 5620 mg/kg

LC₅₀/8 days/bobwhite quail = > 5620 mg/kg

Bioaccumulation: log POW = 0.11 (pH7)

Persistence and degradability According to the results of tests of biodegradability this product is not readily biodegradable.

