

**QUANTUM® SX**

Version 2.0

Revision Date 14.12.2004

Ref. 130000012165

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

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product information**

Product name : QUANTUM® SX

Synonyms : DPX-L5300 50 SG, Granstar 50 SG, Tribenuron methyl 50 SG, B11646119

Use of the Substance/Preparation : herbicide

Company : Du Pont (U.K.) Limited
Wedgwood Way
SG1 4QN Stevenage, Herts SG1 4QN

Telephone : +4401438734450
Telefax :

Emergency telephone number : +44-(0)2871-861.313

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	EC-No.	Classification	Concentration [%]
Tribenuron methyl	101200-48-0	401-190-1	R43	50
Trisodium phosphate dodecahydrate	10101-89-0		Xi; R36/38	10,3
Sodium carbonate	497-19-8	207-838-8	Xi; R36	7

For the full text of the R phrases mentioned in this Section, see Section 16.

3. HAZARDS IDENTIFICATION

May cause sensitization by skin contact.
Very toxic to aquatic organisms.

4. FIRST AID MEASURES

General advice : Never give anything by mouth to an unconscious person. If breathing is irregular or stopped, administer artificial respiration. For specialist advice physicians should contact the National Poisons Information Service, (24-hr), Tel: 0870-600-6266.

Inhalation : Move to fresh air. Consult a physician.

Skin contact : Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

Eye contact : Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

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Ingestion : Drink 1 or 2 glasses of water. Do not induce vomiting without medical advice. Consult a physician.

5. FIRE-FIGHTING MEASURES

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

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

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

Further information : (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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear personal protective equipment.

Environmental precautions : Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

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

7. HANDLING AND STORAGE**Handling**

Advice on safe handling : Provide appropriate exhaust ventilation at places where dust is formed. Wear personal protective equipment.

Advice on protection against fire and explosion : Dust may form explosive mixture in air. Keep away from heat and sources of ignition.

Storage

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only. Keep out of the reach of children.

Storage temperature : < 50 °C

Other data : Stable under recommended storage conditions.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Engineering measures**

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required. In the case of dust or aerosol formation use respirator with an approved filter. Half mask with a particle filter P2 (EN 143).

Hand protection : Material: nitrile rubber
Glove thickness: 0,4 - 0,7 mm
Wearing time: 480 min
Do not wear cotton or leather gloves., The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : safety glasses

Skin and body protection : lightweight protective clothing

Hygiene measures : Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. For environmental protection remove and wash all contaminated protective equipment before re-use. Dispose of rinse water in accordance with local and national regulations.

Protective measures : All chemical protective clothing should be visually inspected prior to use. Clothing and gloves should be replaced in case of chemical or physical damage or if contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : solid, granular,

Colour : light brown,

Odour : mild,

pH : 8,9 at 10 g/l (20 °C)

Flash point : not applicable

Explosive properties : Not explosive

Bulk density : 570 kg/m³

Water solubility : , soluble

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10. STABILITY AND REACTIVITY

- Conditions to avoid : Processing temperature : > 140 °C
- Hazardous decomposition products : Carbon oxides, nitrogen oxides (NOx)
- Hazardous reactions : Decomposes slowly on exposure to water. Dust may form explosive mixture in air. No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

- Acute oral toxicity : LD50/rat : > 5 000 mg/kg
- Acute inhalation toxicity : no data available
- Acute dermal toxicity : LD50/rat : > 5 000 mg/kg
- Skin irritation : No skin irritation
- Eye irritation : No eye irritation
- Sensitization : May cause sensitisation by skin contact.

12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

- Toxicity to fish : LC50/96 h/Oncorhynchus mykiss (rainbow trout): > 120 mg/l
- Toxicity to algae : EC50/72 h/selenastrum capricornutum: 0,080 mg/l
- Aquatic toxicity : EC50/48 h/Daphnia: > 120 mg/l

13. DISPOSAL CONSIDERATIONS**14. TRANSPORT INFORMATION****ADR**

- Class: 9
- Packaging group: III
- Classification Code: M7
- HI No.: 90
- UN-No: 3077
- Labelling No.: 9
- Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Tribenuron methyl,)

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IATA_C

Class: 9
Packaging group: III
UN-No: 3077
Labelling No.: 9MI
Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Tribenuron methyl,)

IMDG

Class: 9
Packaging group: III
UN-No: 3077
Labelling No.: 9
Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Tribenuron methyl,)

15. REGULATORY INFORMATION**Labelling according to EC Directives**

Symbol(s) : Xi Irritant
N Dangerous for the environment

Hazardous components: Tribenuron methyl

R-phrase(s) : R43 May cause sensitization by skin contact.
R50 Very toxic to aquatic organisms.

S-phrase(s) : S 2 Keep out of reach of children.
S13 Keep away from food, drink and animal feeding stuffs.
S20/21 When using do not eat, drink or smoke.
S24 Avoid contact with skin.
S37 Wear suitable gloves.
S35 This material and its container must be disposed of in a safe way.
S57 Use appropriate container to avoid environmental contamination.

Exceptional labelling of special preparations : To avoid risks to man and the environment, comply with the instructions for use.

16. OTHER INFORMATION**Text of R phrases mentioned in Section 2**

R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R43 May cause sensitization by skin contact.



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