

**SEKATOR WG18,75 8X600G BOT GB**Version 1 / GB
1020000113961/8
Revision Date: 10.01.2006
Print Date: 27.04.2006**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name SEKATOR WG18,75 8X600G BOT GB
 Product code (UVP) 06372872
 Usage herbicide

Company Bayer CropScience Limited
 230 Cambridge Science Park
 Milton Road
 Cambridge
 Cambridgeshire CB4 0WB
 Great Britain

Telephone +44(0)1223 226500
 Telefax +44(0)1223 426240
 Emergency telephone number 0800-220876 (UK 24 hr)
 +44(0)1603-242424 (Overseas 24 hr)

2. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature**

Water dispersible granules (WG)
 Mefenpyr-diethyl (13%), Amidosulfuron (5%), Iodosulfuron-methyl-sodium, (1.3%)

Hazardous components

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrases(s)	Concentration [%]
Amidosulfuron	120923-37-7		R52/53	5.00
Iodosulfuron-methyl-sodium	144550-36-7	N	R50/53	1.25
Solvent Naphtha (petroleum), heavy aromatic	64742-94-5 265-198-5	Xn, N	R40, R51/53, R65, R66	> 5.00 - < 25.00
Alkylated naphthalene sulfonate, formaldehyde polymer, sodium salt	68425-94-5	Xi	R36/38	> 1.00 - < 15.00
Olefin sulphonate, sodium salt	68439-57-6 270-407-8	Xi	R38, R41	> 1.00 - < 8.00
Kaolin	1332-58-7			> 25.00 - < 50.00

3. HAZARDS IDENTIFICATION**Risk advice to man and the environment**

Risk of serious damage to eyes.
 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES



SEKATOR WG18,75 8X600G BOT GB

Version 1 / GB
102000011396

2/8
Revision Date: 10.01.2006
Print Date: 27.04.2006

General advice

Move out of dangerous area. Victim to lie down in the recovery position, cover and keep him warm. Remove clothing where dust collected.

Inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. If symptoms persist, call a physician.

Skin contact

Wash off thoroughly with plenty of water and soap, if available with polyethyleneglycol 400, subsequently rinse with water. If symptoms persist, call a physician.

Eye contact

In case of contact with eyes rinse thoroughly with plenty of lukewarm water for at least 15 minutes. If eye irritation persists, consult a specialist.

Ingestion

Rinse mouth. Do not induce vomiting. Induce vomiting only, if: 1. patient is fully conscious, 2. medical aid is not readily available, 3. a significant amount (more than a mouthful) has been ingested and 4. time since ingestion is less than 1 hour. (Vomit should not get into the respiratory tract). If symptoms persist, call a physician.

Notes to Physician

Symptoms

local irritation, Systemic:, To date no symptoms are known.

Treatment

Treat symptomatically.
Gastric lavage is not normally required. If a significant amount (more than a mouthful) has been ingested, administer activated charcoal and sodium sulphate.
There is no specific antidote.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

water spray
alcohol-resistant foam

Extinguishing media which must not be used for safety reasons

high volume water jet
carbon dioxide (CO₂)
dry powder

Specific hazards during fire fighting

In the event of fire the following can be released:
carbon monoxide (CO)
nitrogen oxides (NO_x)
Sulphur oxides
hydrogen chloride (HCl)
hydrogen iodide (HI)

Special protective equipment for fire-fighters

Wear full protective suit.
In the event of fire, wear self-contained breathing apparatus.

Further information

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Whenever possible, contain fire-fighting water by diking area with sand or earth.



SEKATOR WG18,75 8X600G BOT GB

Version 1 / GB
102000011396

3/8
Revision Date: 10.01.2006
Print Date: 27.04.2006

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Evacuate personnel to safe areas.
Use personal protective equipment.
Do not breathe dust.

Environmental Precautions

Do not discharge into the drains/surface water/groundwater.
If spillage enters drains leading to sewage works inform local water company immediately.
If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).

Methods for Cleaning Up

Use mechanical handling equipment.
Keep in suitable, closed containers for disposal.

Additional Advice

Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

7. HANDLING AND STORAGE

Handling

Advice on safe handling
Use only in area provided with appropriate exhaust ventilation.
Avoid dust formation.

Advice on protection against fire and explosion
The product is not easily combustible, however it can burn.

Storage

Requirements for storage areas and containers
Store in original container.
Keep tightly closed in a dry, cool and well-ventilated place.
Keep away from direct sunlight.

Advice on common storage
Keep away from food, drink and animal feedingstuffs.

Storage stability
Storage period > 24 Months
Storage temperature 20 - 30 °C

Suitable materials
Store in original container.
Polyamid innerlined polyethylene (coex) bottles

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Refer to COSHH assessment (Control of Substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practicable. Refer also to COSHH Essentials.

**SEKATOR WG18,75 8X600G BOT GB**Version 1 / GB
1020000113964/8
Revision Date: 10.01.2006
Print Date: 27.04.2006**Components with workplace control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Kaolin (Respirable dust.)	1332-58-7	2 mg/m ³ (TWA)	2005	EH40 WEL

Additional Advice

Observe: Exposure Limits In Air, Group 3: 100 mg/m³/ 20 ppm. (aromatic-rich hydrocarbon mixes with > 25% aromatics TRGS 901, No. 72)

Engineering measures

See section 7; no measures exceeding those mentioned are necessary.

Personal protective equipment

Respiratory Protection	Wear respirator conforming to EN149FFP1. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.
Hand Protection	Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0,40 mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet.
Eye protection	Wear goggles conforming to EN166 (Field of Use 5 or equivalent).
Skin and body protection	Wear standard coverall and Type 5 suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.
Hygiene measures	When using, do not eat, drink or smoke. Wash hands and face before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.
Protective measures	Avoid contact with skin and eyes. Do not breathe dust.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	granular
Colour	beige
Odour	aromatic

Safety data

Minimum Explosion Concentration	ca. 100 mg/m ³
---------------------------------	---------------------------

**SEKATOR WG18,75 8X600G BOT GB**Version 1 / GB
1020000113965/8
Revision Date: 10.01.2006
Print Date: 27.04.2006

Dust explosion Kst number	68 m.b_/s
Dust Explosion Class	St1
Bulk Density	718 - 842 kg/m ³
Combustion number	CN3 Local combustion without spreading
Oxidizing properties	No oxidizing properties
Explosivity	Not explosive
Dust content	almost dustfree

10. STABILITY AND REACTIVITY

Conditions to Avoid	Extremes of temperature and direct sunlight.
Materials to avoid	None.
Hazardous Decomposition Products	No hazardous decomposition products if stored and handled as prescribed.
Thermal decomposition	> 250 °C , Heating rate: 10 K/min
Hazardous Reactions	None known. Stable under recommended storage conditions.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD50 (rat) > 5,000 mg/kg
Acute Inhalation Toxicity	Not relevant because of low dust formation.
Acute Dermal Toxicity	LD50 (rat) > 2,000 mg/kg
Skin Irritation	Non-irritant. (rabbit)
Eye Irritation	Risk of serious damage to eyes. (rabbit)
Sensitization	Non-sensitizing. (guinea pig) OECD Test Guideline 406, Buehler test
Further information	The toxicological data refer to a similar formulation.

12. ECOLOGICAL INFORMATION**Elimination information (persistence and degradability)**

**SEKATOR WG18,75 8X600G BOT GB**Version 1 / GB
1020000113966/8
Revision Date: 10.01.2006
Print Date: 27.04.2006

Biodegradability According to the results of tests on biodegradability this product is not readily biodegradable.

Ecotoxicity effects

Toxicity to Fish LC50 (Rainbow trout (*Oncorhynchus mykiss*)) 13 mg/l
Exposure time: 96 h

Toxicity to daphnia EC50 (Water flea (*Daphnia magna*)) 3.2 mg/l
Exposure time: 48 h

Toxicity to algae EC50 (*Pseudokirchneriella subcapitata*) 2.63 mg/l
Exposure time: 72 h

Further information on ecology

Additional ecological information

The ecotoxicological data refer to a similar formulation.

13. DISPOSAL CONSIDERATIONS**Product**

In accordance with current regulations may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.

Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK).

Contaminated packaging

Small containers (< 10 l or < 10 kg) should be rinsed thoroughly using an integrated pressure rinsing device, or, by manually rinsing three times.

Add washings to sprayer at time of filling.

Dispose of empty and cleaned packaging safely.

Large containers (> 25 l or > 25 kg) should not be rinsed or re-used for any other purpose.

Return large containers to supplier.

Follow advice on product label and/or leaflet.

Waste key for the unused product

020108 agrochemical waste containing dangerous substances

14. TRANSPORT INFORMATION**ADR/RID/ADNR**

UN-No	3077
Labels	9
Packaging group	III
Hazard no.	90
Description of the goods	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IODOSULFURON-METHYL SODIUM/SOLVENT NAPHTHA (PETROLEUM) HEAVY AROMATIC MIXTURE)

IMDG

UN-No	3077
Class	9

**SEKATOR WG18,75 8X600G BOT GB**Version 1 / GB
1020000113967/8
Revision Date: 10.01.2006
Print Date: 27.04.2006

Packaging group	III
EmS	F-A , S-F
Marine pollutant	Marine pollutant
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IODOSULFURON-METHYL SODIUM/SOLVENT NAPHTHA (PETROLEUM) HEAVY AROMATIC MIXTURE)

IATA

UN-No	3077
Class	9
Packaging group	III
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IODOSULFURON-METHYL SODIUM/SOLVENT NAPHTHA (PETROLEUM) HEAVY AROMATIC MIXTURE)

UK 'Carriage' Regulations

UN-No	3077
Labels	9
Packaging group	III
Hazard no.	90
Emergency action code	2Z
Description of the goods	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IODOSULFURON-METHYL SODIUM/SOLVENT NAPHTHA (PETROLEUM) HEAVY AROMATIC MIXTURE)

15. REGULATORY INFORMATION

This product has been classified in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002: CHIP 3 and any subsequent amendments.

Classification:

Hazard warning labelling compulsory

Hazardous components which must be listed on the label:

- Amidosulfuron
- Iodosulfuron-methyl-sodium

Symbol(s)

Xi	Irritant
N	Dangerous for the environment

R-phrase(s)

R41	Risk of serious damage to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S35	This material and its container must be disposed of in a safe way.
S39	Wear eye/face protection.
S57	Use appropriate container to avoid environmental contamination.

**SEKATOR WG18,75 8X600G BOT GB**Version 1 / GB
1020000113968/8
Revision Date: 10.01.2006
Print Date: 27.04.2006

Exceptional labelling

To avoid risks to man and the environment, comply with the instructions for use.

Further information

WHO-classification: III (Slightly hazardous)

16. OTHER INFORMATION**Further information**

Text of R phrases mentioned in Section 2:

R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R41	Risk of serious damage to eyes.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.

The above information is intended to give general health and safety guidance on the storage and transport of the product.

It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate.

No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.