

**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**

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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.

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**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 (CO<sub>2</sub>)  
dry powder

**Specific hazards during fire fighting**

In the event of fire the following can be released:

carbon monoxide (CO)  
nitrogen oxides (NO<sub>x</sub>)  
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.



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### 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.

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### 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

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### 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.

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

**Additional Advice**

Observe: Exposure Limits In Air, Group 3: 100 mg/m<sup>3</sup>/ 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.

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**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form	granular
Colour	beige
Odour	aromatic

**Safety data**

Minimum Explosion Concentration	ca. 100 mg/m <sup>3</sup>
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Dust explosion Kst number	68 m.b_/s
Dust Explosion Class	St1
Bulk Density	718 - 842 kg/m <sup>3</sup>
Combustion number	CN3 Local combustion without spreading
Oxidizing properties	No oxidizing properties
Explosivity	Not explosive
Dust content	almost dustfree

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**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.

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**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.

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

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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.

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**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

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**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

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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	<b>3077</b>
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	<b>3077</b>
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-phrases(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-phrases(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.

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## Exceptional labelling

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

## Further information

WHO-classification: III (Slightly hazardous)

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**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.
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