

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name : SAVVY PREMIUM  
Code product : FH-016 - Metsulfuron-methyl 200 g/kg SG -

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
Use of the substance/preparation : Agriculture Herbicide

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

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Hamilton House, Mabledon Place  
London WC1H 9BB  
United Kingdom  
Tel : +44 020 7953 0447  
[msds@rotam.com](mailto:msds@rotam.com)

#### 1.4. Emergency telephone number

Emergency number : NHS Direct : 08 45 46 47 or 111 (England and Wales)  
NHS 24 : 08 454 24 24 24 (Scotland)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Directive 67/548/EEC or 1999/45/EC

Classification in accordance with UK regulations (MAPP N° 14782)

Xi; R36/38

N; R50/53

Full text of R-phrases: see section 16

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aquatic Acute 1; H400

Aquatic Chronic 1; H410

Skin Irrit. 2; H315

Eye Dam. 1; H318

Full text of H-phrases: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard symbols :



Signal word (CLP) : Danger

Hazard statements (CLP) : H315 - Causes skin irritation.  
H318 - Causes serious eye damage.  
H410 - Very toxic to aquatic life with long lasting effects.

Additional Hazard Statements (CLP) : EUH401 - To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary statements (CLP) : P264 - Wash hands thoroughly after handling.  
P273 - Avoid release to the environment.  
P280 - Wear eye protection.

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P302+P352 - IF ON SKIN: Wash with soap and water.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.  
P310 - Immediately call a POISON CENTER or doctor/physician.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P362 - Take off contaminated clothing and wash before reuse.  
P391 - Collect spillage.  
P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.  
SP1 - Do not contaminate surface water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads.)  
SPe3 - To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Metsulfuron-methyl	(CAS No.) 74223-64-6 (EC index no) 613-139-00-2	20	N; R50/53
Sodium carbonate	(CAS No.) 497-19-8 (EC no) 207-838-8 (EC index no) 011-005-00-2	5 - 15	Xi; R36
Mixture of Alkyl-naphthalene sulfonate, sodium Salt and Sodium dioctyl sulphosuccinate		1 - 5	Xi, R38, R41
Mixture of Lignosulfonic acid, sodium salt and Sodium sulfate		5 - 15	N, R51/53

  

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Mixture of Alkyl-naphthalene sulfonate, sodium Salt and Sodium dioctyl sulphosuccinate		1 - 5	Skin irrit 2, H315 Eye dam. 1, H318
Mixture of Lignosulfonic acid, sodium salt and Sodium sulfate		5 - 15	Aquatic Chronic 2, H411

Full text of R-, H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Call a physician or poison control center immediately.  
First-aid measures after inhalation : When symptoms occur: go into open air and ventilate suspected area.  
First-aid measures after skin contact : Rinse immediately with plenty of water. In case of a skin reaction, consult a physician.  
First-aid measures after eye contact : Rinse eyes with plenty of water. In case of an eye reaction, consult a physician.  
First-aid measures after ingestion : Do NOT induce vomiting. Obtain emergency medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

No additional information available

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).  
Unsuitable extinguishing media : High volume water jet.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide, nitrogen oxides (NO<sub>x</sub>).

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Explosion hazard	: Product is not explosive.
Reactivity	: The product is stable at normal handling- and storage conditions.

### 5.3. Advice for firefighters

Precautionary measures fire	: Wear self-contained breathing apparatus and protective suit (see item 8).
Firefighting instructions	: Prevent runoff from entering drains, sewers or waterways.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Wear a self-contained breathing apparatus and appropriate personal protective equipment (PPE).
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#### 6.1.1. For non-emergency personnel

Protective equipment	: Wear personal protective equipment.
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#### 6.1.2. For emergency responders

Protective equipment	: Wear a self-contained breathing apparatus and appropriate personal protective equipment (PPE).
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### 6.2. Environmental precautions

Do not allow material to contaminate ground water system. Prevent entry to sewers, drains and public waters. Notify authorities if product enters drains, sewers or public waters. Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment	Sweep or shovel spills into appropriate container for disposal.
Methods for cleaning up	Large spills: scoop solid spill into closing containers. On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed	: Wear proper protective equipment.
Precautions for safe handling	: Do not eat, drink or smoke when using this product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store tightly closed in a dry, cool and well-ventilated place.
Incompatible materials	: Oxidants, strong acids and strong bases.
Storage area	: Store away from heat.

### 7.3. Specific end use(s)

Professional use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Personal protective equipment	: Avoid any unnecessary exposure. Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Remove and wash contaminated clothing before re-using.
Hand protection	: Wear suitable protective gloves.
Eye protection	: Chemical goggles or safety glasses.
Respiratory protection	: Ensure that there is adequate ventilation, especially in confined areas.
Other information	: When using, do not eat, drink or smoke.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: Brown
Odour	: No characteristic odour.
Odour threshold	: No data available
pH	: 6.2(1% dilution), <i>CIPAC MT75</i>
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 158°C ( <i>active ingredient, OECD 102</i> )
Solidification point	: No data

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Boiling point	:	No data
Flash point	:	Not applicable
Self ignition temperature	:	No applicable
Decomposition temperature	:	158°C ( <i>active ingredient, OECD 102</i> )
Flammability (solid, gas)	:	Not flammable ( <i>EEC A.10</i> )
Vapour pressure	:	1.1 10 <sup>-10</sup> Pa at 20°C ( <i>active ingredient, Sanco 7593/VI/97</i> )
Relative vapour density at 20 °C	:	No data available
Relative density	:	0.63g/ml ( <i>mean tap density, CIPAC MT169</i> )
Solubility	:	Not applicable, suspension
Log Pow	:	-1.7 at 25°C ( <i>active ingredient</i> )
Log Kow	:	No data available
Viscosity, kinematic	:	Not applicable
Viscosity, dynamic	:	Not applicable
Explosive properties	:	Not explosive ( <i>theoretical evaluation</i> )
Oxidising properties	:	Not an oxidizer ( <i>EEC A.21</i> )
Explosive limits	:	No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is stable at normal handling- and storage conditions.

### 10.2. Chemical stability

No additional information available

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Similar product	
LD50 oral rat	> 5000 mg/kg ( <i>OECD 401, similar formulation tested</i> )
LD50 dermal rabbit	> 5050 mg/kg ( <i>OECD 402, similar formulation tested</i> )
LC50 inhalation rat (mg/l)	> 6.22 mg/l ( <i>OPPTS No.870.1300. active ingredient</i> )

Irritation	:	Irritant to eyes ( <i>calculation</i> )
Corrosivity	:	Irritant to skin ( <i>calculation</i> )
Sensitisation	:	Not sensitizing ( <i>OECD 406, similar formulation tested</i> )
Repeated dose toxicity	:	Not classified ( <i>active ingredient, Sanco 7593/VI/97</i> )
Carcinogenicity	:	Not classified ( <i>active ingredient, Sanco 7593/VI/97</i> )
Mutagenicity	:	Not classified ( <i>active ingredient, Sanco 7593/VI/97</i> )
Reproductive toxicity	:	Not classified ( <i>active ingredient, Sanco 7593/VI/97</i> )

## SECTION 12: Ecological information

### 12.1. Toxicity

Similar product	
LC50 fishes	> 100 mg/l ( <i>Common carp</i> )
ErC50 (algae)	0.183 mg/l ( <i>Anabaena flos-aquae</i> )
ErC50 (other aquatic plants)	0.00338 mg/l ( <i>Lemna minor</i> )

### 12.2. Persistence and degradability

Metsulfuron-methyl is not persistent in the environment.  
Metsulfuron-methyl is not readily biodegradable.

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### 12.3. Bioaccumulative potential

#### Metsulfuron-methyl (74223-64-6)

Log Pow : -1.7 at 25°C (active ingredient)

### 12.4. Mobility in soil

Koc <100 (active ingredient)

### 12.5. Results of PBT and vPvB assessment

Metsulfuron-methyl does not fulfill the criteria of a PBT or vPvB substance

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

## SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

### 14.1. UN number

UN-No. : 3077

### 14.2. UN proper shipping name

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Metsulfuron-methyl)  
Transport document description : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Metsulfuron-methyl), 9, III, (E)

### 14.3. Transport hazard class(es)

Class (UN) : 9  
Hazard labels (UN) : 9



### 14.4. Packing group

Packing group (UN) : III

### 14.5. Environmental hazards

Dangerous for the environment :



Other information : No supplementary information available.

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

Hazard identification number (Kemler No.) : 90  
Classification code : M7  
Orange plates :



Tunnel restriction code : E  
Limited quantities (ADR) : LQ27  
Excepted quantities (ADR) : E1  
EAC code : 2Z

#### 14.6.2. Transport by sea

Marine Pollutant

#### 14.6.3. Air transport

Not applicable

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

No Annex XVII restrictions

Contains no REACH candidate substance

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No additional information available

### SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H319	Causes serious eye irritation
H318	Causes serious eye damage
H315	Causes skin irritation.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
R41	Risk of serious damage to eyes.
R36/38	Irritating to eyes and skin.
R36	Irritating to eyes.
R38	Irritating to skin.
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
N	Dangerous for the environment
Xi	Irritant

SDS EU (REACH Annex II)

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