

MATERIAL SAFETY DATA SHEET



METSULFURON-METHYL 20 % WG

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product: **METSULFURON-METHYL 20 % WG**

Synonyms: FINY (IRL: 02360; UK: MAPP 12855)

Type: Formulated product

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

Herbicide

1.3 Details of the supplier of the safety data sheet

Name: AgriChem B.V.
Address: Koopvaardijweg 9
Postal code: 4906 CV
Residence: Oosterhout
Country: the Netherlands

Telephone no: (+ + 31) (0)162 431 931
Fax no: (+ + 31) (0)162 456 797
e-Mail: info@agrichem.com

1.4 Emergency telephone number

**In case of poisoning contact national or local poison information centre
(London telephone no. 01737 6359191)**

2 HAZARDS IDENTIFICATION

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS no EINECS no REACH Reg. No.	Concentration	Labeling	R phrases (1) H phrases (1)
METSULFURON-METHYL 20 % WG		20 %	N	50/53

(1) Complete text of R/H phrases: see chapter 16

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4 FIRST AID MEASURES

4.1 Description of first aid measures

CONTACT WITH SKIN

Rinse skin with plenty of water or shower for at least 15 minutes. In the meantime remove contaminated clothes and shoes. In case of symptoms, contact a doctor and show the label or packaging.

CONTACT WITH EYES

Rinse with plenty of water for at least 10 minutes. Flush away from the non-contaminated eye. In case of contact lenses: if these can be removed easily, remove lenses first and rinse afterwards.

INHALATION

Fresh air, rest.

INGESTION

Rinse the mouth and give water to drink. In case of symptoms, contact a doctor and show the label or packaging.

4.2 Most important symptoms and effects, both acute and delayed

Currently no information available.

4.3 Indication of any immediate medical attention and special treatment needed

Pre-hospital: symptomatic treatment. Since up to now only results from animal studies are available and since no or almost no cases have been reported for men, an observation in the hospital is recommended. Contact the Poisons information centre for further information.

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Foam. Water spray. Carbon dioxide.

5.2 Special hazards arising from the substance or mixture

High pressure water jet.

5.3 Advice for firefighters

Wear full protective clothing and self-contained breathing apparatus. Take account of environmentally hazardous firefighting water.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from naked flames/heat. Avoid contact with skin and eyes.

6.2 Environmental precautions

Contain released substance, pump into suitable containers.

6.3 Methods and material for containment and cleaning up

Scoop spill into closing containers.

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7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Comply with the legal requirements. Keep away from heat and ignition sources.

7.2 Conditions for safe storage, including any incompatibilities

Store in original packaging. Store in a dry area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

	ppm	mg/m ³
Legal limit value TWA 8 h:		

8.2 Exposure controls

Protective clothing. Gloves. Safety glasses.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form: Solid
Odour: Chemical, not further characterised
Colour: Brown

9.2 Other information (EN L 133/22 Official Journal of the European Union 31.5.2010)

pH value: --
5.2 1 % dilution
Flash point/flammability:
Relative density: 0.54
Solubility: Water miscible
Viscosity: --
Surface tension: --

10 STABILITY AND REACTIVITY

10.1 Reactivity

Avoid contact with incompatible materials.

10.2 Chemical stability

Incompatibilities: acids, oxidising materials.

10.3 Possibility of hazardous reactions

On heating/burning: release of toxic and corrosive gases/vapours.

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10.4 Conditions to avoid

Stable at normal temperature and pressure.

10.5 Incompatible materials

Avoid heat, flames, sparks and other sources of ignition.

10.6 Hazardous decomposition products

11 TOXICOLOGICAL INFORMATION

LD50 oral rat: > 2000 mg/kg b.w.
LD50 dermal rat: > 2000 mg/kg b.w.
LD50 dermal rabbit:
LC50 inhalation rat:

12 ECOLOGICAL INFORMATION

12.1 Toxicity

LC50 (for fish): 74 mg/L
EC50 (for crustacea): 110 mg/L
ErC50 (for algae): 0.045 mg/L
Acute aquatic hazard:
Chronic aquatic hazard:

Oral toxicity bees: > 120 µg a.s./bee
Dermal toxicity bees: > 100 µg a.s./bee
LD50 birds: > 2510 mg/kg b.w.

12.2 Persistence and degradability

12.3 Bioaccumulative potential

12.4 Mobility in soil

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects

13 DISPOSAL CONSIDERATIONS

CONTAINER DISPOSAL

Packaging should be disposed of at a special chemical waste disposal facility.

13.1 Waste treatment methods

DISPOSAL METHODS

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14 TRANSPORT INFORMATION

Hazard identification:

UN no: 3077

UN name: Road

Class:

Group: III

Marine pollutant:

EMS number:

Label :

Environmentally hazardous substance, solid



15 REGULATORY INFORMATION



Dangerous for the environment

Risk phrases:

R50/53

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

Safety phrases:

S2

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

S60

This material and its container must be disposed of as hazardous waste

S61

Avoid release to the environment. Refer to special instructions/safety data sheets.

16 OTHER INFORMATION

The complete text of the R phrases mentioned in chapter 3:

R50/53

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

The complete text of the H phrases mentioned in chapter 3:

The information in this MSDS is to the best of our knowledge true and accurate, but all instructions, recommendations and suggestions are made without guarantee. We can accept no liability for loss or damage suffered from use of this information. Furthermore no liability is accepted if use of any product in accordance with these instructions, recommendations and suggestions infringes any patent.