


SAFETY DATA SHEET	Version 6.2 UK	
	Date: 04/06/2014	
	Replace : 02/11/2012	
PRAXIM	Date of printing: 25/03/2015	
	Page: 1	

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

1.1 Product identifier

Trade name
Active ingredient
Formulation type

PRAXIM

Metobromuron
SC (Suspension Concentrate)

1.2 Recommended uses

Herbicide

1.3 Supplier of the SDS

Belchim Crop Protection NV/SA

Technologielaan 7
B-1840 Londerzeel
Tel. +32 (0)52 30 09 06
Fax +32 (0)52 30 11 35
e-mail: info@belchim.com

1.4 Emergency telephone number

Anti-poison Center (Brussels) : +32 (0)70 245 245
+24 Emergency telephone number: +32 (0)14 58 45 45

SECTION 2: Hazards identification (*)

2.1 Classification

2.1.1 DSD/DPD

Indication of danger

Xn, Harmful

Adverse human health effects

N, Dangerous for the environment

R40: Limited evidence of a carcinogenic effect

R48/22: Harmful: danger of serious damage to health by prolonged exposure if swallowed

Environmental effects

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

2.1.2 CLP:

Symbol

GHS 08, GHS 09

Signal word

Warning

Adverse human health effects

Carc 2: Suspected of causing cancer

STOT RE 2: May cause damage to blood system through prolonged or repeated exposure.

Environmental effects

Aquatic Acute 1: Very toxic to aquatic life (M=1)

Aquatic Chronic 1: Very toxic to aquatic life with long lasting effects

2.2 Label elements

CLP

Symbol



Signal word

Warning

H-statements

H351: Suspected of causing cancer

H373: May cause damage to blood system through prolonged or repeated exposure.


H410 : Very toxic to aquatic life with long lasting effects

P-statements

P273: Avoid release to the environment

P280: Wear protective gloves/protective clothing

P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

SAFETY DATA SHEET	Version 6.2 UK	
	Date: 04/06/2014	
	Replace : 02/11/2012	
PRAXIM	Date of printing: 25/03/2015	
	Page: 2	

P308+313: If exposed or concerned: get medical advice/attention
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.

EUH-statements

EUH208: Contains Metobromuron. May produce an allergic reaction
EUH401: To avoid risks to human health and the environment, comply with the instructions for use.

2.3 Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients	Concentration (w/w)	REACH Number	n° CAS / n° EINECS / Index EC	Classification according to DSD/DPD (symbols / R-phrases) ⁽¹⁾	Classification according to CLP ⁽²⁾
Metobromuron	<50 %	-	3060-89-7/221-301-5/-	Xn, N R22, R48/22,R40, R43, R50/53	Acute Tox 4: H302 Skin Sens 1B: H317 Carc Cat 2: H351 STOT RE 2:H373 Aquatic Acute 1: H400 (M=1) Aquatic Chronic 1: H410
Sulfonated aromatic polymer, sodiumsalt	<5%	-	-/-/-	Xi R36/38	Skin Irrit 2: H315 Eye Irrit 2: H319

⁽¹⁾ For R-phrases in full: see heading 2,15 and 16

⁽²⁾ For H-statements in full: see heading 2,15 and 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General notes:

Following inhalation If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Following ingestion Do not induce vomiting when victim is unconscious. Rinse mouth thoroughly with water. If symptoms persist, call a physician.

Following skin contact When in contact with the skin, clean with soap and water. Take off all contaminated clothing immediately.

Following eye contact In case of contact with eyes rinse thoroughly with plenty of water. If symptoms persist, seek medical advice.

Self-protection of the first aider No data available

4.2 Effect and symptoms

No data available

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

Metobromuron can induce methaemoglobin formation.


Therapeutic agent: methylene blue

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable

Carbon dioxide (CO₂), foam, powders

SAFETY DATA SHEET	Version 6.2 UK	
	Date: 04/06/2014	
	Replace : 02/11/2012	
PRAXIM	Date of printing: 25/03/2015	
	Page: 3	

Unsuitable

Solid water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Release of nitrous vapours, sulphur oxides, hydrogen sulphide, carbon monoxide and carbon dioxides , bromine is possible

5.3. Advice for firefighters

Specific fire-fighting methods

Isolate fire area. Evacuate downwind.
Contain the extinguishing fluids by bunding (the product is hazardous for the environment).
Do not attempt to fight the fire without suitable protective equipment.
Do not breathe fumes.
Self-contained breathing apparatus.
Complete protective clothing.

Protection of fire-fighters

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing and gloves (latex).

6.2 Environmental precautions

Do not allow product to spread into the environment.
Contain the spilled material by bunding (product is hazardous for the environment).
Prevent soil and water pollution.
Prevent spreading in sewers.

6.3 Methods for cleaning up

Recover the product with absorbent material. Absorb spillage with earth or sand.
Scoop absorbed material into closing containers.
Dispose of contaminated material at an authorized site.
Wash contaminated surfaces with an excess of water and soap.
Wash equipment and clothing after handling.

6.4 Reference to other sections

See section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions

Avoid any direct contact with the product.
Avoid opening containers larger than necessary for immediate needs. If possible, do not mix a volume of spray solution greater than that is required for immediate use.
Keep away from naked flame or heat.
Do not discharge the waste into the drain.
Observe strict hygiene.
Do not eat and drink while handling the product.
Wash hand after use.

Hygiene measures

7.2 Storage and packaging conditions

Storage conditions:

Storage temperature: 0°C until 35°C
Store the container tightly closed and dry in a cool, well-ventilated area, away from any source of ignition.
Store out of reach of children and away from food and drinks and animal foodstuffs.

Packaging materials:

Original packaging

7.3 Specific end uses

Herbicide

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

No data available

8.2. Exposure controls


Appropriate engineering controls :

Ensure good ventilation of the work station.

Individual protection measures:

- Hygiene

Always wash your hands after handling the product.
Wash clothes before re-use.

SAFETY DATA SHEET	Version 6.2 UK	
	Date: 04/06/2014	
	Replace : 02/11/2012	
PRAxim	Date of printing: 25/03/2015	
	Page: 4	

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|--------------------------|---|
| - Eye/Face protection | Protective goggles. |
| - Skin/Hand protection | Protective rubber gloves.
Neoprene protective gloves.
Protective gloves made of PVC.
Handling product in large quantities : Impermeable suit (Hypalon, Tyvek, Saranex, PVC...) and safety foot-wear. |
| - Respiratory protection | In the event of insufficient ventilation: Filtering respiratory protective device with a pesticide canister. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Suspension
Odour:	Faint aromatic
Colour:	Off-white with clear brown supernatant possible
pH value of the mixture (21°C):	7.9
Flash point:	>100°C
Flammability:	Not inflammable
Density:	1.219 g/cm ³ at 20°C
Water solubility:	Dispersable in water
Auto-flammability:	Self-ignition >800°C
Viscosity	111 mPa.s at 100/s; 315 mPa.s at 10/s
Explosive properties:	None
Oxidising properties:	None

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity Substance has basic reactions

10.2 Chemical stability Stable at ambient temperature and under normal conditions of use.

10.3 Possibility of hazardous reactions

On burning release of hazardous decomposition products is possible

10.4 Conditions to avoid May decompose on high temperature (> 40°C)

10.5 Incompatible materials Oxidising agents

10.6 Hazardous decomposition products


Nitrogen oxides, sulphur oxides, hydrogen sulphides, carbon monoxide and carbon dioxides , bromine

SECTION 11: Toxicological information

11.1 Information on toxicological effects

On mixture

General	Suspected of causing cancer May cause damage to blood system through prolonged or repeated exposure.
Acute Oral Toxicity	LD ₅₀ (rat) > 2000 mg/kg b.w.
Acute Dermal Toxicity	LD ₅₀ (rat) > 2000 mg/kg b.w.
Skin Irritation	Not irritant (rabbit)
Eye Irritation	Not irritant (rabbit)
Skin sensitization	Not sensitizing (Guinea pig maximization test)
Reproduction Toxicity	Not reprotoxic
Carcinogenicity Toxicity	DSD/DSP: Carc Cat 3; CLP: Carc 2
Organ Toxicity	Can induce methaemoglobin formation/ haemolytic anemia after repeated doses.

SAFETY DATA SHEET	Version 6.2 UK	
	Date: 04/06/2014	
	Replace : 02/11/2012	
PRAXIM	Date of printing: 25/03/2015	
	Page: 5	

SECTION 12: Ecological information

12.1 Toxicity

On mixture:

Very toxic to aquatic life with long lasting effects

Acute (short-term) toxicity:

Fish: *Oncorhynchus mykiss* (96h) $LC_{50} > 100$ mg/L

Crustacea: *Daphnia magna* (48h) $EC_{50} > 100$ mg/l

Algae/aquatic plants: *Pseudokirchneriella subcapitata* (72h) $EC_{50} = 0.29$ mg/L

Chronic (long-term) toxicity

Algae/aquatic plants: *Lemna gibba* /(7d) $EC_{50} = 0.24$ mg/L

12.2 Persistence and degradability

The mixture has not been tested for biodegradation but the active ingredient, metobromuron, is not readily biodegradable.

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste-disposal procedures

Discharging waste into rivers and drains is prohibited.

Dispose of in accordance with relevant local regulations.

Waste of residues

Incinerate at a licensed installation.

Contaminated packaging

Dispose of at an approved site.

SECTION 14: Transport information

Land transport (RID/ADR)

Proper shipping name

Environmentally hazardous substance, liquid, n.o.s. (metobromuron)

UN number

3082

Hazard identification number

90

Labelling

9

Class

9

Classification code

M6

Packaging group

III

Marine transport (IMO/IMDG)

Proper shipping name

Environmentally hazardous substance, liquid, n.o.s. (metobromuron)

UN number

3082

Hazard identification number

90

Packaging group

III

Marine pollutant

Yes

Air transport (ICAO/IATA)

Proper shipping name

Environmentally hazardous substance, liquid, n.o.s. (metobromuron)

UN number

3082

Class

9


Packaging group

III

SECTION 15: Regulatory information

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

The Netherlands: Water hazard class:4

SAFETY DATA SHEET	Version 6.2 UK	
	Date: 04/06/2014	
	Replace : 02/11/2012	
PRAXIM	Date of printing: 25/03/2015	
	Page: 6	

15.2. Chemical safety assessment

Germany: WGK:3

No data available

SECTION 16: Other information

R-phrases:	R22: Harmful if swallowed. R36/38: Irritating to eyes and skin R43: May cause sensitisation by skin contact.
H-phrases:	H302: Harmful if swallowed H315 : Causes skin irritation H317 : May cause an allergic skin reaction H319: Causes serious eye irritation H400: Very toxic to aquatic life
Classes:	Acute Tox 4: Acute toxicity category 4 Aquatic Acute 1: Aquatic Acute toxicity category 1 Aquatic Chronic 1 : Aquatic chronic toxicity category 1 Carc 2: Carcinogenicity category 2 Eye Irrit 2: Eye irritation category 2 Skin Irrit 2: Skin Irritation category 2 Skin Sens 1B: Skin sensitisation category 1B STOT RE 2: Specific target organ toxicity repeated exposure category 2
Sources of key data used:	Dossier Belchim Crop Protection NV SDS-sheets of ingredients Database ESIS
Further information:	This SDS was updated (see date given at the top of the page) Subheadings and text which have been modified since the previous version are indicated with an asterisk *.

This sheet completes the technical sheets but it does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the risks possibly incurred by using the product for any other purpose than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The mandatory regulations mentioned are only intended to help the user to fulfil his obligations regarding the use of hazardous products. This listing must not be considered exhaustive. It does not exonerate the user from ensuring that other legal obligations than those mentioned do not exist, relating to the use and storage of the product for which he solely is responsible.

This safety data sheet is compliant with EC Regulation 1907/2006 (REACH) as adapted by 453/2010, Directive 67/548/EEC, 1999/45/EC (DSD/DPD) and EC Regulation 1272/2008 (CLP) and EC Regulation 1107/2009 (PPP).

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