

**DRAZA ELITE**Version 4 / IRL
102000007614

1/9

Revision Date: 26.09.2013

Print Date: 26.09.2013

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Trade name DRAZA ELITE

Product code (UVP) 05365015

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

Use Molluscicide

1.3 Details of the supplier of the safety data sheetSupplier Bayer CropScience Ltd
Bayer Ltd
The Atrium, Blackthorn Road
Sandyford
Dublin 18
Ireland

Telephone +353-1-2999313

Responsible Department Email: ukinfo@bayercropscience.com**1.4 Emergency telephone no.**

Emergency telephone no. 1800-409-399

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Xn Harmful, R22

N Dangerous for the environment, R50/53

2.2 Label elements

The labelling information below is that which has been approved under 'The European Communities (Authorisation, placing on the market, use and control of Plant Protection products) Regulations 2003' and any subsequent amendments and may differ from that indicated by any toxicological and/or other testing otherwise indicated in this 'Safety Data Sheet'.

Hazard label for supply/use required.

Hazardous components which must be listed on the label:

- Methiocarb

Symbol(s)

Xn Harmful



N Dangerous for the environment

R-phrases(s)

**DRAZA ELITE**Version 4 / IRL
102000007614

2/9

Revision Date: 26.09.2013

Print Date: 26.09.2013

R22 Harmful if swallowed.
 R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

S-phrases

S 2 Keep out of the reach of children.
 S35 This material and its container must be disposed of in a safe way.
 S37 Wear suitable gloves.
 S57 Use appropriate container to avoid environmental contamination.

2.3 Other hazards

No other hazards known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures****Chemical nature**

Bait (ready for use) (RB)
 Methiocarb 3% w/w

Hazardous components

R-phrase(s) according to EC directive 67/548/EEC
 Hazard statements according to Regulation (EC) No. 1907/2006

Name	CAS-No. / EC-No.	Classification		Conc. [%]
		EC Directive 67/548/EEC	Regulation (EC) No 1272/2008	
Methiocarb	2032-65-7 217-991-2	T; R25 N; R50/53	Acute Tox. 2, H300 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	3.00
Starch	9005-25-8 232-679-6	Not classified	Not classified	> 1.00
Flour		Not classified	Not classified	> 1.00

Further information

Methiocarb	2032-65-7	M-Factor: 100 (acute)
------------	-----------	-----------------------

For the full text of the R-phrases/ Hazard statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

General advice Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.

Skin contact Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

**DRAZA ELITE**Version 4 / IRL
102000007614

3/9

Revision Date: 26.09.2013

Print Date: 26.09.2013

Ingestion	Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.
4.2 Most important symptoms and effects, both acute and delayed	
Symptoms	Local: Temporary blurred vision due to contraction of the pupils (miosis) following contact with the eyes., Systemic: Salivation, Flushing, Dizziness, Abdominal pain, Discomfort in the chest, Muscle twitching, Convulsions, Respiratory failure, Headache, Vomiting, Diarrhoea, Sweating, Blurred vision, Nausea, Low blood pressure
4.3 Indication of any immediate medical attention and special treatment needed	
Risks	This product is a cholinesterase inhibitor carbamate.
Treatment	Monitor: respiratory, cardiac and central nervous system. Monitor: blood picture. Monitor: red blood cell and plasma cholinesterase. ECG - monitoring (Electrocardiogram). In case of convulsions, a benzodiazepine (e.g. diazepam) should be given according to standard regimens. Contraindications: oximes (pralidoxime, obidoxime). Oxygen or artificial respiration if needed. Keep respiratory tract clear. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable. The following antidote is generally accepted: atropine.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable	Water spray, Carbon dioxide (CO ₂), Foam, Sand
Unsuitable	High volume water jet

5.2 Special hazards arising from the substance or mixture	Dangerous gases are evolved in the event of a fire.
------------------------------------------------------------------	-----------------------------------------------------

5.3 Advice for firefighters

Special protective equipment for fire-fighters	In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.
Further information	Contain the spread of the fire-fighting media. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Precautions	Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment.
--------------------	-------------------------------------------------------------------------------------------------

6.2 Environmental precautions	Do not allow to get into surface water, drains and ground water. If the product contaminates rivers and lakes or drains inform respective authorities.
--------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------

**DRAZA ELITE**Version 4 / IRL
102000007614

4/9

Revision Date: 26.09.2013

Print Date: 26.09.2013

6.3 Methods and materials for containment and cleaning up**Methods for cleaning up**

Use mechanical handling equipment. Clean contaminated floors and objects thoroughly, observing environmental regulations. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

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

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling****Advice on safe handling**

Use only in area provided with appropriate exhaust ventilation.

Advice on protection against fire and explosion

No special precautions required.

Hygiene measures

Avoid contact with skin, eyes and clothing. Keep working clothes separately. Wash hands before breaks and immediately after handling the product. Remove soiled clothing immediately and clean thoroughly before using again. Garments that cannot be cleaned must be destroyed (burnt).

7.2 Conditions for safe storage, including any incompatibilities**Requirements for storage areas and containers**

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only. Keep away from direct sunlight.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

7.3 Specific end uses

Refer to the label and/or leaflet.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Methiocarb	2032-65-7	0.42 mg/m ³ (TWA)		OES BCS*
Starch (Total inhalable dust.)	9005-25-8	10 mg/m ³ (TWA)	2011	ELV (IE)
Starch (Respirable dust.)	9005-25-8	4 mg/m ³ (TWA)	2011	ELV (IE)
Flour (Dust.)		10 mg/m ³ (TWA)	2011	ELV (IE)
Flour (Dust.)		1 mg/m ³ (TWA)	2011	ELV (IE)

*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

8.2 Exposure controls**Personal protective equipment**

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

**DRAZA ELITE**Version 4 / IRL
102000007614

5/9

Revision Date: 26.09.2013

Print Date: 26.09.2013

Respiratory protection	Wear respirator with a particle filter mask (protection factor 10) conforming to European Norm EN149FFP2 or EN140P2 or equivalent. 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 of 0,4 mm). Wash when contaminated and dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and 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 coveralls and Category 3 Type 5 suit. If there is a risk of significant exposure, consider a higher protective type 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Form	pellets
Colour	blue
Odour	weak, characteristic
Water solubility	at 20 °C insoluble, only capable of swelling
Partition coefficient: n-octanol/water	Methiocarb: log Pow: 3.08 at 20 °C Unbuffered
9.2 Other information	Further safety related physical-chemical data are not known.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity****Thermal decomposition** Stable under normal conditions.**10.2 Chemical stability** Stable under recommended storage conditions.**10.3 Possibility of hazardous reactions** No hazardous reactions when stored and handled according to prescribed instructions.

**DRAZA ELITE**Version 4 / IRL
102000007614

6/9

Revision Date: 26.09.2013
Print Date: 26.09.2013

- 10.4 Conditions to avoid** Extremes of temperature and direct sunlight.
- 10.5 Incompatible materials** Store only in the original container.
- 10.6 Hazardous decomposition products** No decomposition products expected under normal conditions of use.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

- Acute oral toxicity** LD50 (rat) > 500 - < 1,000 mg/kg
- Acute inhalation toxicity** LC50 (rat) > 0.224 mg/l
Exposure time: 4 h
Determined in the form of a respirable fine dust.
Highest attainable concentration.
- Acute dermal toxicity** LD50 (rat) > 2,000 mg/kg
- Skin irritation** No skin irritation (rabbit)
- Eye irritation** No eye irritation (rabbit)
- Sensitisation** Non-sensitizing. (guinea pig)
OECD Test Guideline 406, Buehler test

Assessment repeated dose toxicity

Methiocarb did not cause specific target organ toxicity in experimental animal studies.

Assessment Mutagenicity

Methiocarb was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.

Assessment Carcinogenicity

Methiocarb was not carcinogenic in lifetime feeding studies in rats and mice.

Assessment toxicity to reproduction

Methiocarb caused reproduction toxicity in generation studies in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Methiocarb is related to parental toxicity.

Assessment developmental toxicity

Methiocarb caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Methiocarb are related to maternal toxicity.

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

- Toxicity to fish** LC50 (*Lepomis macrochirus* (Bluegill sunfish)) 0.65 mg/l
Exposure time: 96 h
The value mentioned relates to the active ingredient.
- Toxicity to aquatic invertebrates** EC50 (*Daphnia magna*) 0.0077 mg/l
Exposure time: 48 h
The value mentioned relates to the active ingredient.
- Toxicity to aquatic plants** IC50 (*Desmodium subspicatus*) 2.2 mg/l

**DRAZA ELITE**Version 4 / IRL
102000007614

7/9

Revision Date: 26.09.2013

Print Date: 26.09.2013

Growth rate; Exposure time: 72 h
The value mentioned relates to the active ingredient.

12.2 Persistence and degradability

Biodegradability Methiocarb:
not rapidly biodegradable

Koc Methiocarb: Koc: 660

12.3 Bioaccumulative potential

Bioaccumulation Methiocarb:
Does not bioaccumulate.

12.4 Mobility in soil

Mobility in soil Methiocarb: Slightly mobile in soils

12.5 Results of PBT and vPvB assessment

PBT and vPvB assessment Methiocarb: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).

12.6 Other adverse effects

Additional ecological information No other effects to be mentioned.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Product It is best to use all of the product in accordance with label directions. If it is necessary to dispose of unused product, please follow container label instructions and applicable local guidelines.

Contaminated packaging Empty remaining contents.
Do not use containers for other products.
Dispose of empty and cleaned packaging safely.
Follow advice on product label and/or leaflet.

Waste key for the unused product **020108** agrochemical waste containing dangerous substances

SECTION 14: TRANSPORT INFORMATION**ADR/RID/ADN**

14.1 UN number	3077
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (METHIOCARB MIXTURE)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Environm. Hazardous Mark	YES
Hazard no.	90
Tunnel Code	E

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

**DRAZA ELITE**Version 4 / IRL
102000007614

8/9

Revision Date: 26.09.2013
Print Date: 26.09.2013**IMDG**

14.1 UN number	3077
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (METHIOCARB MIXTURE)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Marine pollutant	YES

IATA

14.1 UN number	3077
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (METHIOCARB MIXTURE)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Environm. Hazardous Mark	YES

14.6 Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

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

No transport in bulk according to the IBC Code.

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Further information**

WHO-classification: III (Slightly hazardous)

15.2 Chemical Safety Assessment

A chemical safety assessment is not required.

SECTION 16: OTHER INFORMATION**Text of R-phrases mentioned in Section 3**

R25	Toxic if swallowed.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Text of the hazard statements mentioned in Section 3

H300	Fatal if swallowed.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

The information contained within this Safety Data Sheet is in accordance with the guidelines established by Regulation (EU) 1907/2006 and Regulation (EU) 453/2010 amending Regulation (EU) No 1907/2006 (and any subsequent amendments). This data sheet complements the user's instructions, but does not replace them. The information it contains is based on the knowledge available about the product concerned at the time it was compiled. Users are further reminded of the possible risks of using a product for purposes other than those for which it was intended. The required information complies with current EEC legislation. Addressees are requested to observe any additional national requirements.



DRAZA ELITE

Version 4 / IRL
102000007614

9/9

Revision Date: 26.09.2013

Print Date: 26.09.2013

Reason for Revision: Safety Data Sheet according to Regulation (EU) No. 453/2010.

II

Section 12. Ecological information.

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