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

1.1. Product identifier

Name of product CBM 8 MV

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

Recommended intended purpose(s)
insecticide

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor InterHygiene GmbH
Neufelder Str. 30, D-27472 Cuxhaven
Postbox 100943, D-27458 Cuxhaven
Phone 04721/73400, Fax 04721/734020
E-Mail info@interhygiene.de
Internet www.interhygiene.de

1.4. Emergency telephone number

Emergency advice
Phone Giftnotruf München im Klinikum r.d.Isar 089/1924-0

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Xn; R22
R43
Xn; R48/20/22
N; R50/53

R-phrases

22 Harmful if swallowed.
43 May cause sensitisation by skin contact.
48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Acute Tox. 4	H302	
Skin Sens. 1	H317	
STOT RE 2	H373	
Aquatic Acute 1	H400	
Aquatic Chronic 1	H410	

Hazard Statements

H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Additional hints

Classification and labelling are based on the results of toxicological tests.

2.2. Label elements

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



GHS07



GHS08



GHS09

Signal word

Warning

Hazard Statements

H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H373 May cause damage to organs through prolonged or repeated exposure.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P261 Avoid breathing aerosol.
P270 Do not eat, drink or smoke when using this product.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves.

P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor/... if you feel unwell.
P302 + P352 IF ON SKIN: Wash with plenty of water/...
P330 Rinse mouth.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.

P501 Dispose of contents to a special waste plant.

2.3. Other hazards

No information available.

SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
52645-53-1	258-067-9	m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	5,25	Xn R20/22; R43; N R50-53

Hazardous ingredients (continued)

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
64742-94-5	265-198-5	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified	10 - 30	Xn R65
128-37-0	204-881-4	BHT	1 - 5	
71751-41-2		abamectin	1,87	T+; R26/28 N; R50/53; Repr.Cat.3; R63; T; R48/23; T; R48/25
57-55-6	200-338-0	propane-1,2-diol	1 - 5	

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
52645-53-1	258-067-9	m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	5,25	Acute Tox. 4, H332 / Acute Tox. 4, H302 / Skin Sens. 1, H317 / Aquatic Acute 1, H400 / Aquatic Chronic 1, H410
64742-94-5	265-198-5	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified	10 - 30	Asp. Tox. 1, H304
71751-41-2		abamectin	1,87	Acute Tox.2, H300 / Acute Tox. 2, H330 / Aquatic Acute 1, H400 / Aquatic Chronic 1, H410 / STOT RE 1, H372 / Repr.2.; H361d
57-55-6	200-338-0	propane-1,2-diol	1 - 5	

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated soaked clothing immediately.

If threatening unconsciousness, position and transport in recovery position

In case of indisposition or accident seek medical advice immediately (if possible show safety data sheet or label).

In case of inhalation

In case of irregular breathing or if breathing stops provide artificial respiration.

Ensure of fresh air.

Remove casualty from area of danger.

Seek medical treatment immediately.

In case of skin contact

In case of contact with skin wash off immediately with soap and water.

In case of eye contact

Medical treatment by eye specialist.

Remove contact lenses, keep eye lids open and rinse with plenty of clean and fresh water for at least 15 min.

In case of ingestion

Do not induce vomiting.

Call for a doctor immediately.

Do not administer anything to unconscious persons.

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

No information available.

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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam

Dry fire-extinguishing substance

Carbon dioxide

Water spray jet

water mist

Unsuitable extinguishing media

Strong water jet

5.2. Special hazards arising from the substance or mixture

Fire gas of organic material has to be classed invariably as respiratory poison.

The breathing in of hazardous combustion products may cause serious damage to health.

In case of fire: formation of thick, black smoke.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Wear full protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Use personal protective clothing.

Follow safety advices (see chapter 7,8).

Avoid contact with skin, eyes and clothes.

6.2. Environmental precautions

When seeping into waters, ground or drainage system inform the authorities.

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Clean up leaking material with incombustible substance (e. g. sand, soil, kieselguhr) and collect it in disposal containers according to local rules.

6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

The working process should be designed to rule out the release of hazardous substances or skin contact as far it is possible by the state of the art.

Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions.

While handling the product do not eat, drink or smoke.

Keep container tightly closed.

Avoid contact with skin and eyes.

Hygiene measures

Clean skin thoroughly after work and before breaks.

Do not inhale vapours.

At work do not eat, drink and smoke.

Remove soiled or soaked clothing immediately.

Keep away from food, beverages and feeding stuff.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep opened containers carefully closed and store in upright position to avoid leakage.

Keep container tightly closed and store at a cool, well ventilated place.

Keep only in original container.

Storage group 12

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. Filter A or environment-independent breathing apparatus.

Hand protection

Follow the instructions and information of the glove producer concerning the use, storage, care and change of gloves.

In case of skin contact the use of gloves according to EN 374 offers sufficient protection.

The protective glove should be tested for its suitability to the specific working site (e. g. mechanic resistance, product compliance, antistatic).

Protective gloves should be replaced immediately in case of damage or wearing out. Working procedures should be created so that gloves don't have to be worn constantly.

Suitable: Gloves of nitrile-butadiene rubber

Eye protection

tightly shut protection glasses (DIN EN 166)

Other protection measures

chemical resistant working clothes

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance liquid	Colour brown	Odour aromatic
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Odour threshold
 No information available.

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	4 - 6	20 °C			
Boiling temperature / boiling range	No information available.				
Melting point / Freezing point	No information available.				
Flash point	> 100 °C				
Vapourisation rate	No information available.				
Flammable (solid)	No information available.				
Flammability (gas)	No information available.				
Ignition temperature	No information available.				
Self ignition temperature	No information available.				
Lower explosion limit	No information available.				
Upper explosion limit	No information available.				
Vapour pressure	No information available.				
Relative density	0,9 - 1 g/cm ³	20 °C			
Vapour density	No information available.				
Solubility in water					dispersible
Solubility/other	No information available.				
Partition coefficient n-octanol/water (log P O/W)	No information available.				
Decomposition temperature	No information available.				
Viscosity dynamic	0,1 - 0,5 Pa*s	20 °C			

	Value	Temperature	at	Method	Remark
Viscosity Yield Point	< 5 Pa*s	20 °C			

Oxidising properties

No information available.

Explosive properties

No information available.

9.2. Other information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

Additional information

Stable under recommended storage and handling conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	500 mg/kg	rat	OECD 423	
LD50 acute dermal	> 2000 mg/kg		OECD 402	
LC50 acute inhalation	> 5,6 mg/l ()	rat	OECD 403	
Irritability skin	non-irritant	rabbit	OECD 404	
Irritability eye	non-irritant	rabbit	OECD 405	
Skin sensitization	sensitizing	mouse	OECD 429	

Experiences made from practice
 Sensitization through skin contact possible.

SECTION 12: Ecological information

- 12.1. Toxicity**
No information available.
 - 12.2. Persistence and degradability**
No information available.
 - 12.3. Bioaccumulative potential**
No information available.
 - 12.4. Mobility in soil**
No information available.
 - 12.5. Results of PBT and vPvB assessment**
No information available.
 - 12.6. Other adverse effects**
- General regulation**
 Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

SECTION 13: Disposal considerations

13.1. Waste treatment methods	
Waste code No.	Name of waste
02 01 08*	agrochemical waste containing dangerous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

Recommendations for packaging
 Totally emptied packages can be given to the useful material compound.
 Empty container completely. Dispose of like product.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	3082	3082	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate)	Environmentally hazardous substance, liquid, n.o.s. (m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropane carboxylate)

	ADR/RID	IMDG	IATA-DGR
14.3. Transport hazard class(es)	9	9	9
14.4. Packing group	III	III	III
14.5. Environmental hazards	No	No	No

14.6. Special precautions for user

No information available.

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

No information available.

Land and inland navigation transport ADR/RID

Hazard label(s) 9

tunnel restriction code E

Classification code M6

Transport/further information

EmS: F-A, S-F

SECTION 15: Regulatory information

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

National regulations

Water hazard class 3 Classification according to VwVwS

Decree for case of interference/remarks Annex I, part 2, category 9a

15.2. Chemical Safety Assessment

No information available.

SECTION 16: Other information

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Sources of key data used

EC-guideline 67/548/EC resp. 99/45/EC in the valid version.

Sources of data used for the definition of physical, toxicological and ecotoxicological data are directly named in the chapters.

Decree (EC) No. 1907/2006 (REACH), 1272/2008 (CLP) in the valid version.

Lists of national indicative occupational exposure limit values according to the particular country and the valid version.

EC-guidelines 2000/39/EC, 2006/15/EC, 2009/161/EC.

Transport information according to ADR, RID, IMDG, IATA in the valid version.

Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

- R 20 Harmful by inhalation.
- R 20/22 Harmful by inhalation and if swallowed.
- R 21 Harmful in contact with skin.
- R 22 Harmful if swallowed.
- R 26/28 Very toxic by inhalation and if swallowed.
- R 36 Irritating to eyes.
- R 43 May cause sensitisation by skin contact.
- R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R 65 Harmful: may cause lung damage if swallowed.

- H300 Fatal if swallowed.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H317 May cause an allergic skin reaction.
- H330 Fatal if inhaled.
- H332 Harmful if inhaled.
- H361d Suspected of damaging fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
- H372 Causes damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.