

SAFETY DATA SHEET

Multicap

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

1.1 Product identifier

Name of the substance: Multicap
Code: MAPP 17652
Formulation type: WG
Concentration: 800 g/kg 80% w/w
Active substance: Captan
IUPAC-name: 2-[(trichloromethyl)sulfanyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione
Identification number: CAS 133-06-2
RRN: 01-2120084181-62-0000

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

identified uses: fungicide for professional use

1.3 Details of the supplier of the safety data sheet



Belcrop BV
Tiensestraat 300
3400 Landen
Belgium

Tel.: +32 11 59 83 60
Fax: +32 11 59 83 61
Email: info@belcrop.be

1.4 Emergency telephone number

Please call the local emergency number
Emergency number in Belgium (24h/24, 7d/7): +32 11 69 79 80

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin Sens. 1, Eye Dam. 2, Carc. 2, Aquatic Acute 1, Aquatic Chronic 3
H317, H319, H351, H400, H412

For full text of Hazard-statements see section 16.

2.2 Label elements

Label in accordance with Regulation (EC) No 1272/2008

Hazard pictogram



Signal word

Warning

Hazard statement

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H351: Suspected of causing cancer.

H400: Very toxic to aquatic life

H412: Harmful to aquatic life with long lasting effects.

EUH 401: To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary statement

P102: Keep out of reach of children.

P201: Obtain special instructions before use.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352: IF ON SKIN: Wash with plenty of 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.

P501: Dispose of contents/container to an approved waste disposal plant.

Additional phrases for PPP

SP1: Do not contaminate water with the product or its container

2.3 Other hazards

No information available.

Section 3 : Composition/information on ingredients

3.1 Stof

Not applicable

3.2 Mixtures

Name	Identification number	RRN	% (% by weight)	Classification according to Regulation (EC) No 1272/2008
Captan	CAS 133-06-2 EC 205-087-0 Index N°:613-044-00-6	01-2120084181-62-0000	75-85% w/w	Carc. 2, Acute Tox. 3, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1 H351, H331, H318, H317, H400
Sulfonated aromatic polymer, sodiumsalt	N/A	N/A	3.0 -4.0 % w/w	Eye Irrit. 2 H319
Phenolsulfonic acid-formaldehyde-polycondensate as sodium salt	N/A	N/A	2.0 – 3.0 % w/w	Aquatic Chronic 3 H412
Sodium alkyl C12-14 sulfate	CAS 85586-07-8 EC 287-809-4	N/A	>1% w/w	STOT SE 3, Skin Irrit. 2, Eye Irrit. 2 H335, H315, H319

For full text of Hazard-statements see section 16.

Section 4: First aid measures

4.1 Description of first aid measures

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). First aider: Pay attention to self-protection!

If INHALED:

Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

In case of contact with SKIN:

Rinse the skin with soap and plenty of water. Meanwhile, remove contaminated clothing and shoes. Consult a physician if necessary.

In case of contact with EYES:

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

If SWALLOWED:

Rinse the mouth. Drink plenty of water. If symptoms persist, call a physician.

Self-protection of the first aider:

Use personal protective equipment as required.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: none known.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician:

Prehospital: symptomatic treatment.

Section 5 : Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: No information available.

5.2 Special hazards arising from the substance or mixture

No specific hazard known.

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Section 6 : Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Use personal protective equipment as required. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas.

For emergency responders: Use personal protection recommended in section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up:

Take up mechanically, placing in appropriate containers for disposal.

6.4 Reference to other sections

See section 8 for exposure controls/ personal protection

See section 13 for disposal considerations

Section 7 : Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Use with local exhaust ventilation.

General hygiene considerations

When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after each use. Keep away from food, drink and animal feeding stuffs. Wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Store in closed packaging in a dry, well ventilated area. Keep out of reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. See also section 10.

7.3 Specific end use(s)

See section 1.2.

Section 8 : Exposure controls/personal protection

8.1 Control parameters

Chemical name	European Union	United Kingdom	France	Spain	Germany
Captan 133-06-2		STEL: 15 mg/m ³ TWA: 5 mg/m ³	TWA: 5 mg/m ³	TWA: 5 mg/m ³	
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Captan 133-06-2		TWA: 5 mg/m ³		TWA: 5 mg/m ³	TWA: 5 mg/m ³
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Captan 133-06-2	STEL: 10 mg/m ³ TWA: 5 mg/m ³	TWA: 5 mg/m ³	TWA: 5 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 5 mg/m ³ STEL: 15 mg/m ³

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

8.2.2 Individual protection measures, such as personal protective equipment

8.2.2.1 Eye / face protection

Tight sealing safety goggles.

8.2.2.2 Skin protection

8.2.2.2.1 Hand protection

Gloves made of plastic or rubber.

8.2.2.2.2 other

Suitable protective clothing. Apron.

8.2.2.3 Respiratory protection

No information available

8.2.2.4 Thermal hazards

No information available

8.2.3 Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water. Local authorities should be advised if significant spillages cannot be contained. Prevent product from entering drains.

Section 9 : Physical and chemical properties

9.1 Information on basic physical and chemical properties

	Endpoint (unit)
a) Appearance	Beige, granules
b) Odour	Aromatic odour
c) Odour threshold	no data available
d) pH	8.9 – 9.9 (solution 1%)
e) Melting point/freezing point	no data available
f) Initial boiling point and boiling range	no data available
g) Flash point	no data available
h) Evaporation rate	Not applicable
i) Flammability (solid, gas)	not flammable
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	no data available
n) Solubility(ies)	no data available
o) Partition coefficient: n-octanol/water	log Pow = 2.57 at 25 °C and pH neutral (active substance)
p) Auto-ignition temperature	174 °C
q) Decomposition temperature	no data available
r) Viscosity	Not applicable
s) Explosive properties	Not an explosive
t) Oxidising properties.	no data available

9.2 Other information

Bulk density: 0.70 g/ml

Surface tension: Not applicable

Section 10 : Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to avoid

Heat, flames and sparks.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

None under normal use conditions.

Section 11 : Toxicological information

11.1 Information on toxicological effects

	Values	Species	Method	Remarks
a) acute toxicity	oral: LD50 > 2000 mg/kg b.w.	rat	OECD 401	
	dermal: LD50 > 5000 mg/kg b.w.	rat	OPPTS 870.1200	
	inhalation: LC50 mg/l/4h			Not applicable; granules
b) skin corrosion/irritation	non-irritating to the skin	rabbit	OECD 404	
c) serious eye damage/irritation	Irritating to eyes	rabbit	OECD 405	
d) respiratory or skin sensitization	skin sensitizer	Guinea pig	OECD 406	
e) germ cell mutagenicity	Not classified			Captan
f) carcinogenicity	Carcinogenic category 2			Captan
g) reproductive toxicity	Not toxic for the reproductive system			Captan
h) STOT-single exposure	no data available			
i) STOT-repeated exposure	no data available			
j) aspiration hazard	no data available			

Section 12 : Ecological information

12.1 Toxicity

Aquatic toxicity

Acute toxicity	Values	Species	Method	Remarks
Fish 96-hour LC50	0.17 mg/l	<i>Oncorhynchus mykiss</i>	OECD 203	Static
Crustacea 48-hour EC50	6.48 mg/l	<i>Daphnia magna</i>	OECD 202	Semi-static
Algae 72-hour EC50	63.7 mg/l	<i>Scenedesmus subspicatus</i>	OECD 201	
Other plants EC50			OECD 221	
Terrestrial Toxicity				
Birds Oral LD50	>2000 mg/kg	Mallard duck		Captan
Bees Oral LD50	>100 µg/bee			Captan

12.2 Persistence and degradability

Abiotic Degradation	Values	Method	Remarks
Water DT50 days	<1		25°C; Captan
Soil DT50 days	0.44 – 1.09		Aerobic 25°C; Captan
Biogradation	No information available		

12.3 Bioaccumulative potential

	Values	Method	Remarks
Partition Coefficient (n-octanol/water) Log Pow	2.57		pH7; 25°C; Captan
Bioconcentration factor (BCF)	140		

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

The active substance does not fulfill the criteria of a persistent, bioaccumulative and toxic (PBT) substance, nor of a very persistent and very bioaccumulative (vPvB) substance, as outlined in Annex XIII of Regulation (EC) No 1907/2006.

12.6 Other adverse effects




No information available.

Section 13 : Disposal considerations

13.1 Waste treatment methods

Waste from residues/unused products: Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging: Improper disposal or reuse of this container may be dangerous and illegal.
Other information: Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: Transport information

	ADR classification	IMDG classification	IATA classification
14.1 UN number	3077	3077	3077
14.2 UN proper shipping name	environmentally hazardous substance, solid, N.O.S. (captan)	environmentally hazardous substance, solid, N.O.S. (captan)	environmentally hazardous substance, solid, N.O.S. (captan)
14.3 Transport hazard class(es)	9	9	9
14.4 Packing group	III	III	III
14.5 Environmental hazards	yes	yes	yes
14.6 Special precautions for user	<u>Symbols:</u> 	<u>Symbols:</u> 	<u>Symbols:</u> 
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable for road transport	Not applicable (not transported as bulk)	Not applicable for air transport

Section 15 : Regulatory information

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

15.2 Chemical safety assessment

A chemical safety assessment according to regulation (EC) No. 1907/2006 is not required. A risk assessment was performed according to directive (EC) No. 91/414 or according to regulation (EC) No. 1107/2009.

Section 16 : Other information

Relevant H-phrases / R-phrases

H315: Causes skin irritation
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation
H331: Toxic if inhaled
H351: Suspected of causing cancer.
H400: Very toxic to aquatic life.
H412: Harmful to aquatic life with long lasting effects.

List of abbreviations and acronyms

RRN: REACh registration number

Changes to the previous version of safety data sheet.

Section 1.3: update details supplier

The information presented in this SDS is based on the current knowledge of the product and is derived from the existing literature. It is given in good faith and it only illustrates the aspect of security. This SDS is in addition with our information relating to the use of the formulation but in no case replaces it.

The users must be aware of the necessary precautions to take at the time of use or handling of this product. Consequently, the company can in, no case, be held responsible for damage which results, directly or indirectly, from the use of these data.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008, Regulation (EU) No 453/2010 and Regulation (EU) No 2015/830.