



# SAFETY DATA SHEET

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Annex II

## Captan 80 WDG

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Version 2

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R-26531.RO MCW-3002

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

## Captan 80 WDG

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

Recommended Use	Fungicide
Uses advised against	No information available

### 1.3. Details of the supplier of the safety data sheet

Supplier Address	ADAMA Agricultural Solutions UK Ltd Unit 15, Thatcham Buisness Village Colthrop Way, Thatcham Berkshire RG19 4LW, UK : 01635 860555 Fax: 01635 861555
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For further information, please contact

Email address	ukenquiries@adama.com
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### 1.4. Emergency telephone number

Emergency Telephone	National Chemical Emergency Centre (UK): Tel: 01865 407333 (24 hours)
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## Section 2: HAZARD IDENTIFICATION

### 2.1 Classification of the substance or mixture

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

Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitization	Category 1 - (H317)
Carcinogenicity	Category 2 - (H351)
Acute aquatic toxicity	Category 1 - (H400)
Hazardous to the Aquatic Environment - Chronic Hazard	Category 3 - (H412)

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

Full text of R-phrases: see section 16

Carc. cat. 3;R40 - Xi;R36 - R43 - N;R50

**2.2. Label elements**

Labeling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Signal word

Warning

Hazard Statements

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

Precautionary Statements

P102 - Keep out of reach of children  
 P201 - Obtain special instructions before use  
 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  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection

EU Specific Hazard Statements

EUH401 - To avoid risks to human health and the environment, comply with the instructions for use

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**

Chemical Name	Weight-%	CAS No	EC No	Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Classification according to 67/548/EEC	M-Factor	REACH Registration Number
Captan	75 - 85	133-06-2	205-087-0	613-044-00-6	Acute Tox. 3 (H331) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Carc. 2 (H351) Aquatic Acute 1 (H400)	T; R23 Xi; R41 R43 Carc.Cat.3; R40 N; R50	10	-
Sulfonated aromatic polymer, sodium salt	3.0 - 4.0	N/A	-	-	Eye Irrit. 2 (H319)	Xi; R36		-
phenolsulfonic acid-formaldehyde-polycondensate as sodium salt	2.0-3.0	N/A	-	-	Aquatic Chronic 3 (H412)	R52/53		-

Sodium alkyl C12-14 sulfate	>1	85586-07-8	287-809-4	-	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	Xi; R36/37/38		-
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Full text of R-phrases: see section 16

Full text of H- and EUH-phrases: see section 16

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

<b>General advice</b>	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!.
<b>Inhalation</b>	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.
<b>Eye contact</b>	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.
<b>Ingestion</b>	Rinse mouth. Drink plenty of water. If symptoms persist, call a physician.
<b>Self-protection of the first aider</b>	Use personal protective equipment as required.

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

<b>Symptoms</b>	None known
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### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Treat symptomatically.
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## 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 firefighters

Wear self contained breathing apparatus for fire fighting 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****Other Information**

See also section 8,13

**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 handling. Keep away from food, drink and animal feeding stuffs. Wash contaminated clothing before reuse.

**7.2. Conditions for safe storage, including any incompatibilities****Storage Conditions**

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

**7.3. Specific end use(s)****Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

**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 <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Captan 133-06-2		TWA: 5 mg/m <sup>3</sup>		TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Captan 133-06-2	STEL 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> STEL: 15 mg/m <sup>3</sup>

**8.2. Exposure controls**

<b>Engineering Controls</b>	Ensure adequate ventilation, especially in confined areas.
<b>Personal protective equipment</b>	
<b>Eye/face protection</b>	Tight sealing safety goggles.
<b>Body Protection</b>	Suitable protective clothing, Gloves made of plastic or rubber, Suitable protective clothing, Apron.
<b>General Hygiene Considerations</b>	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 handling. Keep away from food, drink and animal feeding stuffs. Wash contaminated clothing before reuse.
<b>Environmental exposure controls</b>	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**

<u>Property</u>	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
<b>Appearance</b>			
<b>Physical state</b>	: granules		
<b>Color</b>	: beige		
<b>Odor</b>	: Aromatic		
<b>Odor threshold</b>	: No data available		
<b>pH</b>	: 8.9 - 9.9	CIPAC MT 75.3	solution (1 %)
<b>Melting point/freezing point °C</b>	: No data available		
<b>Boiling point/boiling range °C</b>	: No data available		
<b>Flash point °C</b>	: No data available		Not Applicable
<b>Evaporation rate</b>	: Not Applicable		
<b>Flammability (solid, gas)</b>	: Not flammable	EEC A.10	
<b>Upper/lower flammability or explosive limits</b>	: No data available		
<b>Vapor pressure kPa</b>	: No data available		
<b>Vapor density</b>	: No data available		
<b>Relative density</b>	: No data available		
<b>Solubility(ies) mg/l</b>	: No data available		
<b>Partition Coefficient (n-octanol/water) Log Pow</b>	:		See Section 12 for more information
<b>Autoignition temperature °C</b>	: 174	EEC A.16	
<b>Decomposition temperature °C</b>	: No data available		
<b>Kinematic viscosity mm<sup>2</sup>/s 40 °C</b>	: Not Applicable		
<b>Explosive properties</b>	: Not an explosive		
<b>Oxidizing properties</b>	: No data available		

**9.2. Other information**

<b>Bulk density g/ml</b>	: 0.70
<b>Surface tension mN/m</b>	: 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: TOXICOLOGY INFORMATION

### 11.1. Information on toxicological effects

#### Acute toxicity

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Oral LD50 mg/kg	: > 2000	Rat	OECD 401	
Dermal LD50 mg/kg	: > 5000	Rat	OPPTS 870.1200	
Inhalation LC50 mg/l/4h	:			Not Applicable; granules;
Skin corrosion/irritation	: Non-irritating to the skin	Rabbit	OECD 404	
Serious eye damage/eye irritation	: Irritating to eyes	Rabbit	OECD 405	
Respiratory/skin sensitization	: Skin sensitizer	Guinea pig	OECD 406	

#### Chronic toxicity

#### Germ cell mutagenicity

**Chemical Name**  
Captan : Not classified

#### Carcinogenicity

**Chemical Name**  
Captan : Carcinogenic category 2

#### Reproductive toxicity .

**Chemical Name**  
Captan : Not toxic for the reproductive system

#### STOT - single exposure

**Chemical Name**  
Captan : No information available

#### STOT - repeated exposure

**Chemical Name**  
Captan : Not available

#### Aspiration hazard

**Chemical Name**  
Captan : No information available

## Section 12: ECOLOGICAL INFORMATION

**12.1. Toxicity****Aquatic toxicity**

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
<b>Acute toxicity</b> Fish 96-hour LC50 mg/l	: 0.17	Oncorhynchus mykiss	OECD 203	Static
Crustacea 48-hour EC50 mg/l	: 6.48	Daphnia magna	OECD 202	semi-static
Algae 72-hour EC50 mg/l	: 63.7	Scenedesmus subspicatus	OECD 201	
Other plants EC50 mg/l	:		OECD 221	

**Terrestrial Toxicity****Birds Oral LD50 mg/kg****Chemical Name**

Captan : >2000 Mallard duck

**Bees Oral LD50 µg/bee****Chemical Name**

Captan : >100

**12.2. Persistence and degradability****Abiotic Degradation****Water DT50 days****Chemical Name**

Captan : <1 25 °C

**Soil DT50 days****Chemical Name**

Captan : 0.44 - 1.09 aerobic 25 °C

**Biodegradation****Chemical Name**

Captan : No information available

**12.3. Bioaccumulative potential****Partition Coefficient (n-octanol/water) Log Pow****Chemical Name**

Captan : 2.57 pH 7; 25 °C

**Bioconcentration factor (BCF)****Chemical Name**

Captan : 140

**12.4. Mobility in soil****Adsorption/Desorption****Chemical Name**

Captan : No information available No data available

**12.5. Results of PBT and vPvB assessment**

The components in this formulation do not meet the criteria for classification as PBT or vPvB

**12.6. Other adverse effects**

No information available.

**Section 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

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

**Section 14: TRANSPORTATION INFORMATION**

**IMDG/IMO**

<b>14.1 UN/ID No</b>	3077
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. ( Captan )
<b>14.3 Hazard Class</b>	9
<b>14.4 Packing Group</b>	III
<b>14.5 Marine pollutant</b>	Yes
<b>14.6 Special precautions for user</b>	

**RID/ADR**

<b>14.1 UN/ID No</b>	3077
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. ( Captan )
<b>14.3 Hazard Class</b>	9
<b>14.4 Packing Group</b>	III
<b>14.5 Environmental hazard</b>	Yes
<b>14.6 Special precautions for user</b>	

**ICAO/IATA**

<b>14.1 UN/ID No</b>	3077
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. ( Captan )
<b>14.3 Hazard Class</b>	9
<b>14.4 Packing Group</b>	III
<b>14.5 Environmental hazard</b>	Yes
<b>14.6 Special precautions for user</b>	
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not Applicable



**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****Full text of R-phrases referred to under sections 2 and 3**

R23 - Toxic by inhalation  
R40 - Limited evidence of a carcinogenic effect  
R41 - Risk of serious damage to eyes  
R43 - May cause sensitization by skin contact  
R50 - Very toxic to aquatic organisms  
R36/38 - Irritating to eyes and skin  
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**Full text of H-Statements referred to under sections 2 and 3**

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

**Revision Note** \*\*\* - Change from previous version.

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**Disclaimer**

**The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

End of Safety Data Sheet