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

1.1. Product identifier	PP CAPTAN 80 WG		
1.2. Relevant identified uses of the substance or mixture and uses advised against	Fungicide		
1.3. Details of the supplier of the safety data sheet	Arysta LifeScience S.A.S. BP 80 Route d'Artix 64150 Noguères - France Tel. : + 33 (0)5 59 60 92 92 Fax. : + 33 (0)5 59 60 92 99 Contact : support_msds_eame@arystalifescience.com Web Site : http://www.arystalifescience.eu/en/		
1.4. Emergency telephone number	European emergency number: 112		
National emergency services No.:			
Austria	+431 406 43 43	Ireland	+ 353 (0)1 809 2566
Belgium	+32 70 245 245	Lithuania	+370 5 236 20 52 or +370 687 53378
Bulgaria	+359 2 9154 409	Malta	2545 6504
Czech republic	+420 224 919 293, +420 224 915 402	Norway	22 59 13 00
Denmark	82 12 12 12	Portugal	808 250 143
Estonia	112, or 16662 (+372 626 93 90 from abroad)	Romania	021.318.36.06
Finland	(09) 471 977 (direct) or (09) 4711 (exchange)	Slovakia	+421 2 5477 4166
France	+33 (0)1 45 42 59 59	Spain	+ 34 91 562 04 20
Hungary	+36 80 20 11 99	Sweden	08-331231
		United Kingdom	0870 243 2241


SECTION 2: Hazards identification (#)

2.1. Classification of the mixture

Classification according to Regulation (EC) 1272/2008 "CLP"

The mixture is classified as IRRITANT, SKIN SENSITISING, CARCINOGEN and DANGEROUS FOR THE ENVIRONMENT.

Eye Dam.1, H318
Skin Sens.1B, H317
Carc.2, H351
Aquatic Acute 1, H400
Aquatic Chronic 1, H410

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Most important adverse effects

Physical and chemical hazards	None
Health hazards	Contact with eyes may lead to irreversible damage to iris. Repeated skin contact may induce allergic reactions. Repeated exposure may cause cancer (limited evidence).
Environmental hazards	Very toxic to aquatic life with long lasting effects. Fish is the most sensitive trophic level.

2.2. Label elements

Labelling according to Regulation (EC) 1272/2008 "CLP"

Hazard pictogram(s)



Signal word(s)

Danger

Hazard statement(s)


H318: Causes serious eye damage.
H317: May cause an allergic skin reaction.
H351: Suspected of causing cancer.
H400: Very toxic to aquatic life.
EUH401: To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary statement(s)

P102: Keep out of reach of children
P260: Do not breathe gas/ spray
P262: Do not get in eyes, on skin, or on clothing
P270: Do not eat, drink or smoke when using this product
P271: Use only outdoors or in a well-ventilated area
P273: Avoid release to the environment
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301: IF SWALLOWED: seek medical advice immediately and show this container or label.
P302+P352: IF ON SKIN: Wash with plenty of soap
P305: IF IN EYES: Rinse cautiously with plenty of water and seek medical advice.
P501: Dispose of contents/container at hazardous or special waste collection points.

2.3. Others hazards

The mixture contains surfactants. Persistent foam can be formed.

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SECTION 3: Composition/information on ingredients (#)

Mixture.

Water Dispersible Granules (WG), containing Captan (80%w/w as pure). Captan belongs to the family of phthalimides.

Dangerous substances	Classification	Concentration (%w/w)	Concentration (g/kg)
	Regulation (EC) 1272/2008		
Captan CAS No. 133-06-2 EC No. 205-087-0 Index No. 613-044-00-6 (CLH) REACH No. n/a	Carc. 2, H351 Acute Tox. 3 *, H331 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 M=10	80	800
Sodium alkyl naphthalene formaldehyde condensate CAS No. 68425-94-5 EC No. Polymer Index No. not listed REACH No. n/a	Skin Irrit. 2, H315 Eye Irrit. 2, H319	< 10	< 100
Di-2-ethylhexyl sulfosuccinate of sodium CAS No. 577-11-7 EC No. 209-406-4 Index No. not listed REACH No. 01-2119491296-29-xxxx	Skin Irrit. 2, H315 Eye Dam. 1, H318	< 3	< 30

For the complete text of H statements, please refer to Section 16.

Refer to Section 8 for OELs. Refer to Section 12 for PBT assessment.


SECTION 4: First aid measures

4.1. Description of first aid measures

In general	Remove the affected person from the danger zone to a well-ventilated room or to fresh air, and protect from chilling. Do not administer anything by oral route and do not try to make vomit, call a treatment centre for poisoning cases or a doctor. Take the label or this SDS where possible.
After Inhalation	Immediately remove to fresh air. Call a doctor in case of respiratory difficulty, unease or persistent headaches.
After eye contact	SERIOUS EYE DAMAGE. Rinse immediately and thoroughly with plenty of water during at least 15 to 30 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice from a specialist.
After skin contact	SENSITIZER. Remove contaminated clothing and thoroughly wash the affected parts of the body with soap and water. Wash contaminated clothing before reuse.
After Ingestion	Call rescue and show the label. Do not induce vomiting.

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

Symptoms of overexposure may include activity decrease, laboured breathing, conjunctival inflammation, swelling, loss of iridal reflex to light. In case of repeated exposure, the product may induce allergic cutaneous reactions. Intestinal carcinogenic tumours were observed in mice after chronic exposure.

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

Treat symptomatically.

Eyewash station recommended at the workplace.




SECTION 5: Fire-fighting measures

- | | |
|--|--|
| 5.1. Extinguishing media | Suitable: Water spray, foam, dry chemical powder.
Unsuitable: Water jet. |
| 5.2. Special hazards arising from the substance or mixture | By thermal decomposition, possibility of formation of toxic gases (sulfur oxides, hydrochloric acid, phosgene, chlorides). |
| 5.3. Advice for fire-fighters | Intervention personnel should wear mask and individual respiratory equipment.
DANGEROUS FOR THE ENVIRONMENT: retain water or extinguishing media and eliminate safely. |

SECTION 6: Accidental release measures




- | | |
|--|--|
| 6.1. Personal precautions, protective equipment and emergency procedures | Wear protective adapted equipment and take back non protected people.
Withdrawal combustion and ignition sources. |
| 6.2. Environmental precautions | The mixture is DANGEROUS FOR THE ENVIRONMENT:
Avoid and protect sewage, surface water, ground water and soil contamination.
Retain spilled liquids and collect them with sand or other absorbent inert material (sepiolite).
Absorbent inert material stocks have to be sufficient to face reasonably predictable spillage.
Do not throw washing waters into sewers.
In the case of spillage into water, stop dispersion of the product with adequate barrier.
Contact competent authorities when a situation cannot be controlled rapidly and efficiently. |
| 6.3. Methods and material for containment and cleaning up | Collect contaminated products on the surface concerned, transfer to closed drums before sending in a specialized incineration treatment center.
Wash the contaminated surface with water and collect washing waters for treatment.
Cover the contaminated zone using absorbent materials such as sand or sepiolite. |
| 6.4. Reference to other sections | See Section 8 for personal protection and Section 13 for disposal considerations. |


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SECTION 7: Handling and storage

- 7.1. Precautions for safe handling Do not eat, drink or smoke when using.
Wear appropriate protective clothes, adequate gloves (nitrile), glasses or mask.
AVOID ALL CONTACT WITH SKIN, EYES or clothes with new or old product.
Respect good hygienic body conditions and cleanliness of the working area.
Wash hands abundantly after handling.
Do not wash working clothes with household linen.
Work upwind.
- 7.2. Conditions for safe storage, including any incompatibilities Keep away from food, drink and animal feedingstuffs.
Store in the original well closed container, in a fresh and well ventilated place.
Store under cover, in an appropriate room, away from heat and sources of fire, at temperature < 35°C.
Protect from moisture. Do not store in metal containers. Do not store in room at temperature below -5°C.
- 7.3. Specific end uses When using refer in priority to information written on the label.

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters (#) Occupational Exposure Limit values:
No existing Community OELs.
For information, national OELs apply for:
Captan, in Austria, Belgium, Denmark, France, Spain, Switzerland, UK:
TLV-TWA (8h) = 5 mg/m³
TLV-STEL (15 min) = 10 to 15 mg/m³
- Additional exposure limits under the conditions of use:
Captan
AOEL = 0.1 mg/kg b.w./d
ADI = 0.1 mg/kg b.w./d
ARfD = 0.3 mg/kg b.w.
- 8.2. Exposure controls
- Appropriate engineering controls Prepare tank mix in a well-ventilated area. A re-entry interval in the field of 48 hours is recommended, because of sensitising properties. (FR)
- Individual protection measures, such as personal protective equipment
- Respiratory protection Preferably wear a mask covering all face with filter appropriate to organic vapour, powder or aerosol. A.P. Type filters.
- Hand protection Wear impervious gloves, resistant to organic solvents and to chemical products (complying with EN 374 standard), during mixing/loading; preferably keep during application phase.
- 
- Eyes protection SERIOUS EYE DAMAGE. Wear goggles (complying with EC EN 166, protection class 3 = against liquids and droplets), during mixing/loading.
- 
- Skin protection SENSITIZER. Wear appropriate protective clothes, covering all parts of the body.
- 
- Environmental exposure controls Comply with European and National Regulations relating to environment.
To protect aquatic organisms, respect an unsprayed buffer zone of 0 to 30 m to
- (#) point modified at last update

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surface bodies, depending on crop treated. This unsprayed buffer zone could be removed or reduced if drift reduction measures were used. See recommendations on the label.

PNEC Captan = 9.8 µg/L (France)


SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Off-white/beige granules
Odour	Typical of captan
pH	8.45 as 1% solution in water
Melting point	(no data on the mixture)
Boiling point / range	Expected to decompose.
Flash point	Not applicable to solids.
Evaporation rate	Not applicable since PP CAPTAN 80 WG is a mixture. (no data on the a.s.)
Flammability (solid, gas)	Not classified as Flammable. Burning was only sustained in the presence of the flame, and did not propagate (EC A10, equiv. to UN N1).
Upper/lower flammability or explosive limits	(no data on the mixture)
Vapour pressure	Not applicable since CAPTAN 80 WG is a mixture. <i>Captan</i> 4.2 x 10 ⁻⁶ Pa (20°C)
Vapour density	Not applicable since PP CAPTAN 80 WG is a mixture. (no data on the a.s.)
Relative density	Tap density = 0.667 g/mL (CIPAC MT169)
Solubility	
- Water	Miscible with water in all proportions. Gives stable suspension.
- Organic solvents	No miscible with organic solvents.
Partition coefficient n-octanol/water	Not applicable since PP CAPTAN 80 WG is a mixture. <i>Captan</i> log Kow ca 2.6
Auto-ignition temperature	(no data on the mixture)
Decomposition temperature	(no data on the mixture) <i>Captan</i> Decomposition on melting starting at 173 °C
Viscosity	Not applicable to solids.
Explosives properties	No explosive nor self-reactive properties anticipated, based on composition. No dust explosion hazard anticipated, based on particle size. Risks of explosion almost none in the recommended conditions of storage (see Section 7). In the event of a fire, see Section 5 for decomposition products.
Oxidising properties	No oxidising properties anticipated, based on composition.

9.2. Other information

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Particle size (#) 500 - 2000 µm.
Non dusty (0.04%w/w); resistant to attrition.

SECTION 10: Stability and reactivity

- | | |
|--|--|
| 10.1. Reactivity | No pyrophoric or self-heating properties, nor release of flammable gas if contact with water, anticipated. |
| 10.2. Chemical stability | Stable for at least 2 years, at ambient temperature, in the original packaging. |
| 10.3. Possibility of hazardous reactions | None in normal storage conditions.
If moistened, may attack metal containers with hydrogen gas release (explosive). |
| 10.4. Conditions to avoid | Avoid storage at temperature > 35°C in a confined place.
Protect from moisture (may release corrosive hydrochloric acid gas). |
| 10.5. Incompatible materials | Avoid contact with strong oxidant and strong reducing agent.
Do not store in metal containers. |
| 10.6. Hazardous decomposition products | See Section 5 for combustion products. |

SECTION 11: Toxicological information

Based on the available experimental studies on the mixture or similar, and data on the ingredients, a classification for EYE DAMAGE, SKIN SENSITIZER and CARCINOGEN applies for health hazards, according to Regulation (EC) No.1272/2008 "CLP" criteria.


Information presented here below refers to experimental studies on the mixture, unless otherwise specified. Additional data on the active substance and the constituents is provided where relevant.

- | | |
|--------------------------------|---|
| Acute toxicity
by ingestion | Not harmful if swallowed
LD ₅₀ > 5000 mg/kg b.w. (rat) (OECD 401) (similar mixture)
No mortality. Diarrhea and lethargy observed only shortly after dosing.

<i>Captan</i>
Moderate oral absorption (81%) |
| by skin contact | Not harmful in contact with skin
LD ₅₀ > 2000 mg/kg b.w. (rat) (OECD 402) (similar mixture)
No mortality, snout staining and/or anogenital soiling observed on the day following dosing. No signs of irritation.


<10% dermal absorption expected for the mixture (granules and spray) |
| by inhalation | Exposure by inhalation is considered as negligible as a 'non-dusty' water dispersible granule formulation, resistant to attrition. Not required for the spray, based on intended uses (spraying MMAD > 50 µm) |
| Skin corrosion/irritation | Not classified as skin irritant, based on both the absence of skin irritation in the acute dermal study (OECD 402).performed on similar mixture and the additive approach using individual constituents. |
| Serious eye damage/irritation | Classified for SERIOUS EYE DAMAGE (rabbit) (OECD 405)
Inflammation of the conjunctivae immediately after instillation and conjunctival |

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swelling with lids half closed. No iridial reflex to light was observed in the animal at 24 hrs, considered as irreversible. No effect on the cornea.


Respiratory or skin sensitisation	SKIN SENSITIZER, based on Guinea Pig Maximisation Test performed with Captan. Not classified as a respiratory sensitizer (data lacking; respiratory sensitization not likely to occur)
Germ cell mutagenicity	Not classified as mutagenic based on the additive approach using individual constituents (data lacking on some coformulants) <i>Captan:</i> Not mutagenic.
Carcinogenicity	CARCINOGENIC potential, based on composition (captan). <i>Captan:</i> No evidence of carcinogenicity was observed in the long-term studies in rat. Duodenal tumours observed in a 2-year feeding study in mice after repeated administration of high dose levels.
Reproductive toxicity	No evidence of effect on fertility or general reproductive performance, based on the additive approach using individual constituents. Potential effects on development (captan), however data currently available are inconclusive for classification purpose.
STOT-single exposure (#)	No evidence of damage to organs following single exposure by oral and dermal routes based on acute dermal and oral toxicity studies (similar mixture). Not classified for respiratory irritation and narcotic effects based on the additive approach using individual constituents (data lacking on several).
STOT-repeated exposure (#)	No evidence of damage to organs after repeated exposure based on the additive approach using individual constituents (data lacking on the main dispersants, and wetting agent) <i>Captan:</i> Minor effects (emesis, inappetence) in dog following oral administration, responses to taste and physical nature of test substance rather than toxicological effects. Treatment-related effects in rabbit following dermal exposure were decreased body weight, body weight gain and food consumption. Treatment-related effects in rat following inhalation exposure were confined to the respiratory tract and consistent with exposure to an irritant particulate.
Aspiration hazard	Not applicable to solids.

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SECTION 12: Ecological information

Information presented here below refers to experimental studies on the mixture, unless otherwise specified. Some data are available on similar products. Since the composition of these formulations is either identical or very similar to that of PP CAPTAN 80 WG, data available by all these formulations are considered appropriate to the assessment of the ecotoxicological effects. Additional data on the active substance (a.s.) is provided where relevant.

12.1. Toxicity	The mixture is classified as DANGEROUS FOR THE ENVIRONMENT, very toxic to aquatic life with long lasting effects.	
	Provided the recommended conditions of use are respected, no unacceptable risk to non-target fauna and flora is anticipated.	
Aquatic organisms	Acute effects are anticipated from the results of the studies. Classification for Aquatic Acute toxicity and Aquatic Chronic toxicity is determined with the calculation method, from data on components, according to Reg.(EC) N°1272/2008 "CLP".	
	Fish	Acute (96h) <i>Captan</i> LC ₅₀ (<i>Salmo sp.</i>) = 0.034 mg/L Chronic (21d) <i>Captan</i> NOEC (<i>Oncorhynchus mykiss</i>) = 0.056 mg/L
	Invertebrates	Acute (24h) <i>Captan 83 WP</i> EC ₅₀ (<i>Daphnia magna</i>) = 3.4 mg a.s./L, equivalent to 3.77 mg product/L. Chronic (21d) <i>Captan</i> NOEC (<i>Daphnia magna</i>) = 0.56 mg/L
	Algae	Acute (72h) <i>Merpan 83 WP</i> EC ₅₀ (<i>Pseudokirchneriella subcapitata</i>) = 1.18 mg a.s./L Chronic No data available.
	Aquatic plants	Not applicable to fungicides.
Terrestrial organisms	Birds	Acute <i>Captan</i> LD ₅₀ (Bobwhite quail, Mallard) > 2000 mg/kg b.w Short-term <i>Captan</i> LC ₅₀ (Bobwhite quail) > 800 mg/kg b.w./d <i>Captan</i> LC ₅₀ (Mallard) > 1040 mg/kg b.w./d Reproduction <i>Captan</i> NOEL (Bobwhite quail) = 83.2 mg/kg b.w./d <i>Captan</i> NOEL (Mallard) = 74.4 mg/kg b.w./d
	Bees	Oral <i>Captan</i> LD ₅₀ > 100 µg/bee Contact <i>Captan</i> LD ₅₀ > 200 µg/bee
	Other arthropods	Laboratory tests <i>Captan 83 WP</i> LR ₅₀ (<i>Typhlodromus pyri</i>) > 1 490 g a.s./ha <i>Merpan 83 WP</i> LR ₅₀ (<i>Aphidius rhopalosiphi</i>) < 600 g a.s./ha Extended laboratory test LR ₅₀ (<i>Aphidius rhopalosiphi</i> , <i>Coccinella septempunctata</i>) > 6 750 g a.s./ha

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	Earthworms	Acute (14 d)	<i>Captan</i> LC ₅₀ > 519.3 mg/kg dry soil
		Chronic	<i>Malvin WG</i> NOEC = 11.6 mg a.s./kg dry soil
	Micro-organisms	Nitrogen mineralization :	No effects up to 15.2 kg a.s./ha
		Carbon mineralization :	No effects up to 15.2 kg a.s./ha
	Non-target plants	Not applicable to fungicides.	
12.2. Persistence and degradability	In soil		<i>Captan</i> DT _{50 lab} (aerobic) = 0.44 to 1.09 days (25°C) DT _{90 lab} (aerobic) = 1.46 to 3.62 days (25°C) DT _{50 field} = 0.33 to 7.04 days <i>THPI, major soil metabolite of Captan</i> DT _{50 lab} (aerobic) = 5.87 to 14.37 days (20°C) DT _{90 lab} (aerobic) = 19.50 to 47.74 days (20°C) DT _{50 field} = 2.63 to 33.94 days <i>THPAM, major soil metabolite of Captan</i> DT _{50 lab} (aerobic) = 6.00 to 11.08 days (20°C) DT _{90 lab} (aerobic) = 19.93 to 36.77 days (20°C)
	In water		<i>Captan</i> No data from a ready biodegradability test available. In the absence of data, considered "not readily biodegradable". DT ₅₀ and DT ₉₀ whole system < 24 hours <i>THPI, major water metabolite of Captan</i> 62%AR max formation at pH 5. DT ₅₀ whole system = 4.8 days.
	In air		<i>Captan</i> Photochemical oxidative half-life in air < 1.5 hours. Vapour pressure = 4.2 x 10 ⁻⁶ Pa at 20°C Henry's law constant = 2 x 10 ⁻⁴ Pa.m ³ .mol ⁻¹ Low volatilization potential for the a.s.
12.3. Bioaccumulative potential			No evidence of accumulation for the a.s. Captan (log Kow = 2.57 at pH 7). No significant risk to terrestrial vertebrates is anticipated through secondary poisoning.
12.4. Mobility in soil			<i>Captan</i> Mobility in soil is not measurable due to its rapid hydrolysis. Values calculated and reported in literature are considered uncertain: K _{oc} = 97 mL/g mean of literature K _{oc} values. Captan aged in soil unlikely to significantly leach through soil. <i>THPI, major soil metabolite of Captan</i> Very high potential mobility in soil. In sand soil, up to 15% found in the leachate. <i>THPAM, major soil metabolite of Captan</i> High potential mobility in soil. In sand soil, up to 3% found in the leachate. Surface tension of the mixture: not relevant for a water dispersible granule (WG) formulation. However, CAPTAN 80 WG contains surfactants.


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12.5. Results of PBT and vPvB assessment

Constituents	Persistence	Bioaccumulation	Toxicity
Captan	Considered as not readily biodegradable but the half-life in water and soil is lower than 40 days: not P and not vP.	Log Kow < 4.5: not B and not vB.	Long-term NOEC for freshwater organisms > 0.01 mg/L but the compound is classify as carcinogenic category 2: considered T.
Dispersing agent n°1	Considered as not readily biodegradable: potentially P and vP.	No data available: no B / vB assessment.	No data available: no T assessment.
Dispersing agent n°2	Readily biodegradable: not P and not vP.	No data available: no B / vB assessment.	No data available on the long-term NOEC for freshwater organisms but the acute LC ₅₀ for fish is 7 300 mg/L: presumably not T.
Wetting agent	Considered as readily biodegradable: not P and not vP.	The BCF of the major component of the product is lower than 9.3. Low potential for bioaccumulation is expected: not B and not vB.	No data available on the long-term NOEC for freshwater organisms but the acute L/EC ₅₀ values for freshwater organisms are well greater than 0.1 mg/L: presumably not T.
Filler	Not persistent: not P and not vP.	Not bioaccumulative: not B and not vB.	No data available: no T assessment.
Dispersing agent n°3	Not readily biodegradable: potentially P and vP.	No potentially bioaccumulable: potentially not B and not vB.	No data available: no T assessment.
Antifoam	Inherently biodegradable: not P and not vP.	No data available: no B / vB assessment.	No data available on the long-term NOEC for freshwater organisms but the acute LC ₅₀ for fish is 250 mg/L: presumably not T.
All constituents (>0.1%) do not clearly fulfil REACH PBT/vPvB criteria based on data lacking.			

12.6. Other adverse effects


None.


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SECTION 13: Disposal considerations

13.1. Waste treatment methods	<p>Unusable products, out of date and residues are considered as HAZARDOUS WASTE according to Directive 2008/98/EC.</p> <p>Only purchase and store quantities of product required in the short term. Do not open larger containers than is necessary for immediate requirements. Do not mix a volume of spray solution greater than is required for immediate use.</p>
Product/packaging	<p>Disposal of important amounts must be made by duly authorized specialists. Incineration should be made in authorized and specialized plant.</p> <p>Eliminate the product and its packaging with care and in a responsible way. Do not throw near ponds, rivers, ditches or into sewers.</p> <p>Wash contaminated surfaces with water and collect washing waters for treatment.</p> <p>Make sure that local Regulations are respected.</p>
Washing products	<p>Rinse containers with water and pour into the spray tank.</p> <p>Do not throw into sewer. Do not contaminate natural waters.</p> <p>Clean up application materials on the treated area and eliminate waters by spraying on one area.</p>
Waste Code (#)	<p>07 WASTES FROM ORGANIC CHEMICAL PROCESSES</p> <p>07 04 wastes from the manufacture, formulation, supply and use (MFSU) of organic plant protection products</p>

SECTION 14: Transport information

REGULATION	RID/ADR (TERRESTRIAL)	IMDG (MARITIME)	OACI/IATA (AERIAL)
UN NUMBER	3077	3077	3077
TRANSPORT HAZARD CLASS(ES)	9 (M7)	9	9
PACKING GROUP	III	III	III
ENVIRONMENTAL LABEL	Y	Y	Y
MARKING AND LABELLING			
UN PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains CAPTAN)		

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SECTION 15: Regulatory information (#)

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

- Captan which represents 80% of PP CAPTAN 80 WG is approved for use in plant protection products as listed in Regulation (EU) No 540/2011 of 25 May 2011 implementing Regulation (EC) No 1107/2009 of the European Parliament and of the Council as regards the list of approved active substances for use in plant protection products.
- In addition, Captan is not subject to:
 - Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer,
 - Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC,
 - Regulation (EC) No 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals),
 - Decision No 2455/2001/EC of the European Parliament and of the Council of 20 November 2001 establishing the list of priority substances in the field of water policy and amending Directive 2000/60/EC.
- All the other compounds are regulated by **Regulation (EC) No. 1907/2006 (REACH)**.

National information on the regulatory status of the mixture

- The placing of PP CAPTAN 80 WG on the market as a fungicide is subject to authorization by Member States under Regulation (EC) No. 1107/2009 of the European Parliament and of the Council of 21 October 2009.

Other prescriptions

Control of major-accident hazards involving dangerous substances ("Seveso II" Directive 96/82/EC):

DANGEROUS FOR THE ENVIRONMENT

Qualifying quantities: low threshold = 100 t

high threshold = 200 t


Comply with national implementation.

To avoid risks to man and the environment, comply with the instructions for use (Directive 1999/45/EC, Article 10, n° 12).

Storage classification (ICPE) : (French Regulation) : 1172 (SEVESO II)
: 4510 (Application 1st of June 2015)

15.2. Chemical safety assessment

The placing of PP CAPTAN 80 WG on the market as a fungicide is subject to evaluation and authorization by Member States under Regulation (EC) No. 1107/2009 of the European Parliament and of the Council of 21 October 2009.

 Arysta LifeScience	REFERENCE : ALS GB PP CAPTAN 80 WG en	UPDATING INDICE : 04	DATE : 13/10/2015
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SECTION 16: Other information (#)

- a) Revisions: Changes made to the previous version of the safety data sheet are marked with the symbol.
- b) Abbreviations and acronyms used in the safety data sheet:
- ADI: Acceptable Daily Intake
 - AOEL: Acceptable Operator Exposure Level
 - ARfD: Acute Reference Dose
 - CLH: Classification and Labelling, Harmonised (Annex VI to CLP Regulation)
 - CLP: Classification, Labelling and Packaging
 - DPD: Dangerous Preparations Directive
 - DT₅₀: Period required for 50 percent dissipation (define method of estimation)
 - DT₉₀: Period required for 90 percent dissipation (define method of estimation)
 - EC₅₀: Median effective Concentration
 - Koc: adsorption coefficient
 - LC₅₀: Lethal Concentration, median
 - LD₅₀: Lethal Dose, median
 - NOAEL/NOEL: No Observed (Adverse) Effect Level
 - NOEC: No Observed Effect Concentration
 - OEL: Occupational Exposure Limit
 - PNEC: Predicted No Effect Concentration
 - STOT: Specific Target Organ Toxicity
 - TLV-TWA: Threshold limit value - Time weighted average
 - TLV-STEL: Threshold limit value - Short-term exposure limit
- c) Key literature references and sources for data:
- Applicant's registration dossier.
 - Peer review of the pesticide risk assessment of the active substance Captan. *EFSA Scientific Report* (2009) 296, 1-90.
 - Suppliers' SDS. Published data.
- d) Methods of evaluating information, referred to in Article 9 of Regulation (EC) No 1272/2008, used for the purpose of classification:
- by testing on the parent mixture and/or extrapolation from similar for acute effects on health,
 - by calculation for sub-chronic and chronic effects on health, and ecotoxicological effects.
- e) List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements which are not written out in full under Sections 2 to 15;
- Hazard statements text
- 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.
 - H410: Very toxic to aquatic life with long lasting effects.
- f) Advice on any training appropriate for workers to ensure protection of human health and the environment.
- For agriculture use, please follow the Good Agricultural Practices and the instructions written on the label. Comply with national implementation of Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work

This MSDS completes technical use sheets but does not replace them. Information herein is based on our present knowledge concerning the product, at the edition date. It is honestly given.

The attention of users is drawn to potential risks taken when the product is used for other uses than those for which it is made.

The user has to know and comply with all regulations concerning its activity.

It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

The aim of all the regulations mentioned is to help the person concerned to comply with the rules which are his own responsibility. This listing cannot be considered as exhaustive. The person concerned has to make sure that he has no other obligations due to texts specific to particular applications.