

## PEGASUS 250 SC

Version 11.0      Revision Date: 11.10.2017      SDS Number: S1240353      This version replaces all previous versions.

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

#### 1.1 Product identifier

Trade name : PEGASUS 250 SC

**Design code** : A7999D

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

Use of the Substance/Mixture : Insecticide

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

Company : Syngenta Crop Protection AG  
Postfach  
CH-4002 Basel  
Switzerland

Telephone : +41 61 323 11 11

Telefax : +41 61 323 12 12

E-mail address of person responsible for the SDS : sds.ch@syngenta.com

#### 1.4 Emergency telephone number

**Emergency telephone number** : +44 1484 538444

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification (**REGULATION (EC) No 1272/2008**)

Acute toxicity, Category 4

H302: Harmful if swallowed.

Acute toxicity, Category 4

H332: Harmful if inhaled.

Serious eye damage, Category 1

H318: Causes serious eye damage.

Carcinogenicity, Category 1B

H350: May cause cancer.

Specific target organ toxicity - repeated exposure, Category 2

H373: May cause damage to organs through prolonged or repeated exposure.

Acute aquatic toxicity, Category 1

H400: Very toxic to aquatic life.

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Chronic aquatic toxicity, Category 1

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

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:	
Signal word	:	<b>Danger</b>
Hazard statements	:	H302 + H332 Harmful if swallowed or if inhaled. H318 Causes serious eye damage. H350 May cause cancer. H373 May cause damage to organs through prolonged or repeated exposure. H410 Very toxic to aquatic life with long lasting effects.
Supplemental Hazard Statements	:	EUH208 Contains formaldehyde. May produce an allergic reaction.  EUH401 To avoid risks to human health and the environment, comply with the instructions for use.
Precautionary statements	:	<b>Prevention:</b> P201 Obtain special instructions before use. P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. <b>Response:</b> P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. P308 + P313 IF exposed or concerned: Get medical advice/ attention. <b>Disposal:</b> P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

diafenthiuron  
poly(oxy-1,2-ethanediyl), alpha-isotridecyl-omega-hydroxy-  
formaldehyde

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### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
diafenthiuron	80060-09-9	Acute Tox. 3; H331 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 25 - < 30
poly(oxy-1,2-ethanediyl), alpha-isotridecyl-omega-hydroxy-	9043-30-5 500-027-2	Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 10 - < 20
formaldehyde	50-00-0 200-001-8 605-001-00-5 01-21194488953-20	Acute Tox. 3; H301 Acute Tox. 3; H331 Acute Tox. 3; H311 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1; H317 Muta. 2; H341 Carc. 1B; H350	>= 0.1 - < 0.2

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : Have the product container, label or Safety Data Sheet with you when calling the emergency number, a poison control center or physician, or going for treatment.
- If inhaled : Move the victim to fresh air.  
If breathing is irregular or stopped, administer artificial respiration.  
Keep patient warm and at rest.  
Call a physician or poison control centre immediately.
- In case of skin contact : Take off all contaminated clothing immediately.  
Wash off immediately with plenty of water.  
If skin irritation persists, call a physician.  
Wash contaminated clothing before re-use.

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- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Remove contact lenses.  
Immediate medical attention is required.
- If swallowed : If swallowed, seek medical advice immediately and show this container or label.  
Do NOT induce vomiting.

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

- Symptoms : Nonspecific  
No symptoms known or expected.

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

- Treatment : There is no specific antidote available.  
Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media : Extinguishing media - small fires  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
Extinguishing media - large fires  
Alcohol-resistant foam  
or  
Water spray
- Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

### 5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10).  
Exposure to decomposition products may be a hazard to health.

### 5.3 Advice for firefighters

- Special protective equipment for firefighters : Wear full protective clothing and self-contained breathing apparatus.
- Further information : Do not allow run-off from fire fighting to enter drains or water courses.  
Cool closed containers exposed to fire with water spray.
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## SECTION 6: Accidental release measures

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### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Refer to protective measures listed in sections 7 and 8.

### 6.2 Environmental precautions

Environmental precautions : Prevent further leakage or spillage if safe to do so.  
Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Clean contaminated surface thoroughly.  
Clean with detergents. Avoid solvents.  
Retain and dispose of contaminated wash water.

### 6.4 Reference to other sections

For disposal considerations see section 13., Refer to protective measures listed in sections 7 and 8.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : No special protective measures against fire required.  
Avoid contact with skin and eyes.  
When using do not eat, drink or smoke.  
For personal protection see section 8.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : No special storage conditions required. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs.

Further information on storage stability : Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

### 7.3 Specific end use(s)

Specific use(s) : For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

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## SECTION 8: Exposure controls/personal protection

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### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
diafenthiuron	80060-09-9	TWA	0.2 mg/m <sup>3</sup> (Skin)	Syngenta
formaldehyde	50-00-0	TWA	0.3 ppm 0.37 mg/m <sup>3</sup>	CH SUVA
Further information	No increased carcinogenic risk if the TWA value is respected (see 1.3.2.3), Sensitizers; Substances marked with an S can lead to very strong allergic reactions., Carcinogenic Category 2, National Institute for Occupational Safety and Health, Occupational Safety and Health Administration, Deutsche Forschungsgemeinschaft, Health and Safety Executive (Occupational Medicine and Hygiene Laboratory), Harm to the unborn child is not to be expected when the OEL-value is respected			
	50-00-0	STEL	0.6 ppm 0.74 mg/m <sup>3</sup>	CH SUVA
Further information	No increased carcinogenic risk if the TWA value is respected (see 1.3.2.3), Sensitizers; Substances marked with an S can lead to very strong allergic reactions., Carcinogenic Category 2, National Institute for Occupational Safety and Health, Occupational Safety and Health Administration, Deutsche Forschungsgemeinschaft, Health and Safety Executive (Occupational Medicine and Hygiene Laboratory), Harm to the unborn child is not to be expected when the OEL-value is respected			

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
formaldehyde	Workers	Inhalation	Long-term systemic effects	9 mg/m <sup>3</sup>
	Workers	Inhalation	Long-term local effects	0.5 mg/m <sup>3</sup>
	Workers	Dermal	Long-term systemic effects	240 mg/kg
	Workers	Inhalation	Acute local effects	1 mg/m <sup>3</sup>
	Consumers	Inhalation	Long-term systemic effects	3.2 mg/m <sup>3</sup>
	Consumers	Dermal	Long-term systemic effects	102 mg/kg
	Workers	Dermal	Long-term local effects	0.037 mg/cm <sup>2</sup>
	Consumers	Oral	Long-term systemic effects	4.1 mg/kg
	Consumers	Inhalation	Long-term local effects	0.1 mg/m <sup>3</sup>
	Consumers	Dermal	Long-term local effects	0.012 mg/cm <sup>2</sup>

#### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
formaldehyde	Fresh water	0.47 mg/l
	Marine water	0.47 mg/l
	Intermittent use/release	4.7 mg/l

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Substance name	Environmental Compartment	Value
	Sewage treatment plant	0.19 mg/l
	Fresh water sediment	2.44 mg/kg
	Marine sediment	2.44 mg/kg
	Soil	23.5 mg/kg

### 8.2 Exposure controls

#### Engineering measures

Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated.

The extent of these protection measures depends on the actual risks in use.

Maintain air concentrations below occupational exposure standards.  
Seek additional occupational hygiene advice.

#### Personal protective equipment

Eye protection : Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded.  
Tightly fitting safety goggles  
Face-shield

Use eye protection according to EN 166.

#### Hand protection

Material : Nitrile rubber  
Break through time : > 480 min  
Glove thickness : 0.5 mm

Remarks : Wear protective gloves. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.  
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.  
Remove and wash contaminated clothing before re-use.  
Wear as appropriate:  
Impervious clothing

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- Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.  
Suitable respiratory equipment:  
Respirator with a particle filter (EN 143)  
The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.
- Filter type : Particulates type (P)
- Protective measures : The use of technical measures should always have priority over the use of personal protective equipment.  
When selecting personal protective equipment, seek appropriate professional advice.
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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

- Appearance : fluid paste
- Colour : light beige to dark beige
- Odour : No data available
- Odour Threshold : No data available
- pH : 5 - 9
- Melting point/range** : No data available
- Boiling point/boiling range** : > 90 °C
- Flash point : No data available
- Evaporation rate : No data available
- Flammability (solid, gas) : Not classified as a flammability hazard
- Upper explosion limit / Upper flammability limit : No data available
- Lower explosion limit / Lower flammability limit : No data available
- Vapour pressure : No data available
- Relative vapour density : No data available
- Density : 1 g/cm<sup>3</sup> (25 °C)



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Solubility(ies)  
Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity  
Viscosity, dynamic : 550 - 850 mPa.s (20 °C)

Explosive properties : Not explosive

Oxidizing properties : No data available

### 9.2 Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

None reasonably foreseeable.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

### 10.4 Conditions to avoid

Conditions to avoid : No decomposition if used as directed.

### 10.5 Incompatible materials

Materials to avoid : None known.

### 10.6 Hazardous decomposition products

Hazardous decomposition products : No hazardous decomposition products are known.

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## SECTION 11: Toxicological information

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### 11.1 Information on toxicological effects

#### Acute toxicity

##### Product:

Acute oral toxicity

: LD50 (Rat, male and female): 1,500 mg/kg

Acute inhalation toxicity

: Acute toxicity estimate: 2.22 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method  
Assessment: The substance/mixture is not toxic on inhalation as defined by dangerous goods regulations.

Acute dermal toxicity

: Acute toxicity estimate: > 2,000 mg/kg  
Method: Calculation method

##### Components:

##### **diafenthiuron:**

Acute oral toxicity

: LD50 (Rat): 2,068 mg/kg

Acute inhalation toxicity

: LC50 (Rat): 0.558 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity

: LD50 (Rat): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

##### **poly(oxy-1,2-ethanediyl), alpha-isotridecyl-omega-hydroxy-:**

Acute oral toxicity

: LD50 (Rat): 1,940 mg/kg

Acute dermal toxicity

: LD50 (Rat): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

##### **formaldehyde:**

Acute oral toxicity

: Assessment: The component/mixture is toxic after single ingestion.

Acute inhalation toxicity

: Assessment: The component/mixture is toxic after short term inhalation.

Acute dermal toxicity

: Assessment: The component/mixture is toxic after single contact with skin.

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### Skin corrosion/irritation

#### Components:

##### **diafenthuron:**

Species: Rabbit  
Result: No skin irritation

##### **formaldehyde:**

Result: Corrosive after 3 minutes to 1 hour of exposure

### Serious eye damage/eye irritation

#### Components:

##### **diafenthuron:**

Species: Rabbit  
Result: No eye irritation

##### **poly(oxy-1,2-ethanediyl), alpha-isotridecyl-omega-hydroxy-:**

Species: Rabbit  
Result: Irreversible effects on the eye

### Respiratory or skin sensitisation

#### Components:

##### **diafenthuron:**

Species: Guinea pig  
Result: A weak skin sensitizer in animal tests

##### **formaldehyde:**

Result: May cause sensitisation by skin contact.

### Germ cell mutagenicity

#### Components:

##### **diafenthuron:**

Germ cell mutagenicity-Assessment : Did not show mutagenic or teratogenic effects in animal experiments.

##### **poly(oxy-1,2-ethanediyl), alpha-isotridecyl-omega-hydroxy-:**

Germ cell mutagenicity-Assessment : In vitro tests did not show mutagenic effects

##### **formaldehyde:**

Germ cell mutagenicity-Assessment : Positive result(s) from in vivo mammalian somatic cell mutagenicity tests.

### Carcinogenicity

#### Components:

##### **diafenthuron:**

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Carcinogenicity - Assessment : In animal studies (rat, mouse, dog), prolonged exposure to diafenthiuron has been shown to produce lung damage. In mice, chronic oral administration has produced lung tumours at high dose levels.

**formaldehyde:**

Carcinogenicity - Assessment : Sufficient evidence of carcinogenicity in animal experiments, In a two-year inhalation study, rats showed carcinogenic effects in the respiratory system at 15 ppm of formaldehyde.

**Reproductive toxicity**

**Components:**

**diafenthiuron:**

Reproductive toxicity - Assessment : No toxicity to reproduction

**Repeated dose toxicity**

**Components:**

**diafenthiuron:**

Assessment: The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

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## SECTION 12: Ecological information

### 12.1 Toxicity

**Product:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 1.1 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna Straus): 0.0018 mg/l  
Exposure time: 48 h

### Ecotoxicology Assessment

Chronic aquatic toxicity : Classification of the product is based on the summation of the concentrations of classified components.

**Components:**

**diafenthiuron:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.002 mg/l  
Exposure time: 96 h

LC50 (Ictalurus punctatus (Channel catfish)): 0.0013 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.00015 mg/l  
Exposure time: 48 h

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- Toxicity to algae : ErC50 (Pseudokirchneriella subcapitata (green algae)): > 0.059 mg/l  
Exposure time: 96 h
- M-Factor (Acute aquatic toxicity) : 1,000
- Toxicity to fish (Chronic toxicity) : NOEC: 0.000018 mg/l  
Exposure time: 21 d  
Species: Oncorhynchus mykiss (rainbow trout)
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.0011 µg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)
- M-Factor (Chronic aquatic toxicity) : 10,000

### **poly(oxy-1,2-ethanediyl), alpha-isotridecyl-omega-hydroxy-:**

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 1 - 10 mg/l  
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 5 - 10 mg/l  
Exposure time: 48 h

### **Ecotoxicology Assessment**

- Acute aquatic toxicity : This product has no known ecotoxicological effects.
- Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

## 12.2 Persistence and degradability

### Components:

#### **diafenthiuron:**

- Biodegradability : Remarks: No data available

## 12.3 Bioaccumulative potential

### Components:

#### **diafenthiuron:**

- Bioaccumulation : Remarks: Diafenthiuron bioaccumulates.
- Partition coefficient: n-octanol/water : log Pow: 5.76 (25 °C)

## 12.4 Mobility in soil

### Components:

#### **diafenthiuron:**

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Distribution among environmental compartments : Remarks: immobile

Stability in soil : Remarks: Product is not persistent.

### 12.5 Results of PBT and vPvB assessment

#### Product:

##### Assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

#### Components:

##### diafenthiuron:

##### Assessment

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

### 12.6 Other adverse effects

No data available

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not contaminate ponds, waterways or ditches with chemical or used container.  
Do not dispose of waste into sewer.  
Where possible recycling is preferred to disposal or incineration.  
If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging : Empty remaining contents.  
Triple rinse containers.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Do not re-use empty containers.

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## SECTION 14: Transport information

### 14.1 UN number

ADN : UN 3082  
ADR : UN 3082  
RID : UN 3082  
IMDG : UN 3082

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**IATA** : UN 3082

### 14.2 UN proper shipping name

**ADN** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
(DIAFENTHIURON)

**ADR** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
(DIAFENTHIURON)

**RID** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
(DIAFENTHIURON)

**IMDG** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
(DIAFENTHIURON)

**IATA** : Environmentally hazardous substance, liquid, n.o.s.  
(DIAFENTHIURON)

### 14.3 Transport hazard class(es)

**ADN** : 9

**ADR** : 9

**RID** : 9

**IMDG** : 9

**IATA** : 9

### 14.4 Packing group

**ADN**  
Packing group : III  
Classification Code : M6  
Hazard Identification Number : 90  
Labels : 9

**ADR**  
Packing group : III  
Classification Code : M6  
Hazard Identification Number : 90  
Labels : 9  
Tunnel restriction code : (-)

**RID**  
Packing group : III  
Classification Code : M6  
Hazard Identification Number : 90  
Labels : 9

**IMDG**  
Packing group : III  
Labels : 9  
EmS Code : F-A, S-F

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### IATA (Cargo)

Packing instruction (cargo aircraft) : 964  
Packing instruction (LQ) : Y964  
Packing group : III  
Labels : Miscellaneous

### IATA (Passenger)

Packing instruction (passenger aircraft) : 964  
Packing instruction (LQ) : Y964  
Packing group : III  
Labels : Miscellaneous

### 14.5 Environmental hazards

#### ADN

Environmentally hazardous : yes

#### ADR

Environmentally hazardous : yes

#### RID

Environmentally hazardous : yes

#### IMDG

Marine pollutant : yes

#### IATA (Passenger)

Marine pollutant : yes

#### IATA (Cargo)

Marine pollutant : yes

### 14.6 Special precautions for user

Not applicable

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.



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E1	ENVIRONMENTAL HAZARDS	Quantity 1 100 t	Quantity 2 200 t
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### Other regulations:

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

Article 13 Maternity ordinance (SR 822.111.52): Expectant and nursing mothers are only permitted to come into contact with this product during the course of their work if, based on a risk assessment carried out in accordance with Article 63 of Ordinance 1 on the Employment Act (ArGV 1) (SR 822.111), the chemicals in question have been found not to cause any specific harm to mothers or children or if such harm can be ruled out by taking appropriate protective measures.

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

Article 4 para. 4 of the Ordinance on the protection of young people in the workplace (SR 822.115) and Article 1 lit. f of the EAER regulation on hazardous work and young people (SR 822.115.2): Young people undergoing basic vocational training may only work with this product if the relevant training ordinance makes provision for them to do so with a view to enabling them to achieve their training objectives and if the preconditions for the training plan have been met and the applicable age restrictions have been complied with. Young people who are not completing any basic vocational training are not permitted to work with this product. Employees of either sex who are under 18 years old are classed as young people.

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

## SECTION 16: Other information

### Full text of H-Statements

H301	: Toxic if swallowed.
H302	: Harmful if swallowed.
H311	: Toxic in contact with skin.
H314	: Causes severe skin burns and eye damage.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H331	: Toxic if inhaled.
H341	: Suspected of causing genetic defects.
H350	: May cause cancer.
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.
H412	: Harmful to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox.	: Acute toxicity
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# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## PEGASUS 250 SC

Version 11.0      Revision Date: 11.10.2017      SDS Number: S1240353      This version replaces all previous versions.

Aquatic Acute	: Acute aquatic toxicity
Aquatic Chronic	: Chronic aquatic toxicity
Carc.	: Carcinogenicity
Eye Dam.	: Serious eye damage
Muta.	: Germ cell mutagenicity
Skin Corr.	: Skin corrosion
Skin Sens.	: Skin sensitisation
STOT RE	: Specific target organ toxicity - repeated exposure
CH SUVA	: Switzerland. Limit values at the work place
CH SUVA / TWA	: Time Weighted Average
CH SUVA / STEL	: Short Term Exposure Limit

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

Acute Tox. 4	H302
Acute Tox. 4	H332
Eye Dam. 1	H318
Carc. 1B	H350
STOT RE 2	H373
Aquatic Acute 1	H400

#### Classification procedure:

Based on product data or assessment
Calculation method
Calculation method
Calculation method
Calculation method
Based on product data or assessment

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11.0

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Aquatic Chronic 1

H410

Calculation method

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