

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 06/10/2025

#### **SECTION 1: Identification**

#### Identification

Product form : Mixture

Product name : PAVILION 3.3 EC HERBICIDE

Product code : 89167-29-89391

#### Recommended use and restrictions on use 1.2.

#### 1.3. **Supplier**

INNVICTIS® CROP CARE, LLC 1880 Fall River Drive, Suite 100 Loveland, CO 80538 T 855-466-8428

#### **Emergency telephone number**

Emergency number : ChemTrec 1-800-424-9300

#### **SECTION 2: Hazard(s) identification**

#### Classification of the substance or mixture

#### **GHS-US** classification

Acute toxicity (inhal.), Category 3

Serious eye damage/eye irritation, Category 2B

Skin sensitisation, category 1B Carcinogenicity, Category 2

Specific target organ toxicity — Repeated exposure, Category 2

Aspiration hazard, Category 1

Hazardous to the aquatic environment — Acute Hazard, Category 1

Hazardous to the aquatic environment — Chronic Hazard, Category

H331 Toxic if inhaled. H320 Causes eye irritation

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

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

H304 May be fatal if swallowed and enters airways.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Full text of H statements: see section 16

#### GHS Label elements, including precautionary statements

#### **GHS US labelling**

Hazard pictograms (GHS US)









Signal word (GHS US) : Danger

Hazard statements (GHS US) H304 - May be fatal if swallowed and enters airways.

H317 - May cause an allergic skin reaction.

H320 - Causes eye irritation H331 - Toxic if inhaled.

H351 - Suspected of causing 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.

Precautionary statements (GHS US) : P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash hands, forearms and face thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P272 - Contaminated work clothing must not be allowed out of the workplace

P273 - Avoid release to the environment.

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

P301+P310 - If swallowed: Immediately call a poison center/doctor/...

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P302+P352 - If on skin: Wash with plenty of water/...

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. P308+P313 - If exposed or concerned: Get medical attention

P311 - Call a poison center/doctor/...

P314 - Get medical advice/attention if you feel unwell.

P321 - Specific treatment (see supplemental first aid instruction on this label)

P331 - Do NOT induce vomiting.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical attention

P363 - Wash contaminated clothing before reuse.

P391 - Collect spillage.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

#### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	GHS-US classification
naphtha,heavy aromatic	(CAS-No.) 64742-94-5	< 75	Asp. Tox. 1, H304
pendimethaline	(CAS-No.) 40487-42-1	37.4	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317
naphthalene	(CAS-No.) 91-20-3	< 10	Acute Tox. 4 (Oral), H302 Carc. 2, H351

Full text of hazard classes and H-statements : see section 16

### **SECTION 4: First-aid measures**

#### 4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a doctor.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs:

Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing. If eye irritation persists: Get medical attention.

First-aid measures after ingestion : Do not induce vomiting. Call a physician immediately.

#### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact : May cause an allergic skin reaction.

Symptoms/effects after eye contact : mild eye irritation.
Symptoms/effects after ingestion : Risk of lung oedema.

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

#### **SECTION 5: Fire-fighting measures**

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

#### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of : Toxic fumes may be released.

fire

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#### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting

: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

#### **SECTION 6: Accidental release measures**

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

#### 6.1.1. For non-emergency personnel

**Emergency procedures** 

: Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

#### 6.1.2. For emergency responders

Protective equipment

: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

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

For containment

: Collect spillage.

Methods for cleaning up

: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public

waters.

Other information

: Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

#### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid contact

with skin and eyes.

Hygiene measures

: Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions

: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

### **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

PAVILION 3.3 EC HERBICIDE	
No additional information available	
pendimethaline (40487-42-1)	
No additional information available	
naphthalene (91-20-3)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	10 ppm
naphtha,heavy aromatic (64742-94-5)	
No additional information available	

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

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Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

#### Personal protective equipment symbol(s):



#### **SECTION 9: Physical and chemical properties**

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

Physical state : Liquid
Appearance : Liquid.
Colour : Amber
Odour : aromatic

Odour threshold : No data available

pH : 6-7

Melting point: Not applicableFreezing point: No data availableBoiling point: No data available

Flash point : 212 °F

Relative evaporation rate (butylacetate=1) : No data available Flammability (solid, gas) : Not applicable. Vapour pressure : No data available Relative vapour density at 20 °C : No data available Relative density : No data available Density : 8.93 lb/gal

: No data available Solubility Partition coefficient n-octanol/water (Log Pow) : No data available : No data available Auto-ignition temperature Decomposition temperature : No data available Viscosity, kinematic : No data available : No data available Viscosity, dynamic **Explosive limits** : No data available Explosive properties : No data available : No data available Oxidising properties

#### 9.2. Other information

No additional information available

#### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

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#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

#### **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Toxic if inhaled.

PAVILION 3.3 EC HERBICIDE	
LD50 oral rat	> 3956
LD50 dermal rat	> 2000
LC50 inhalation rat (mg/l)	5.35 mg/l/4h
ATE US (gases)	700 ppmv/4h
ATE US (vapours)	5.35 mg/l/4h
ATE US (dust,mist)	0.5 mg/l/4h
pendimethaline (40487-42-1)	
LD50 oral rat	1250 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Dermal)
naphthalene (91-20-3)	

naphalaiono (0 1 20 0)	
LD50 dermal rat	> 2500 mg/kg (Rat, Dermal)
naphtha,heavy aromatic (64742-94-5)	
LD50 oral rat	> 5000 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	> 5 mg/l/4h (Rat)

Skin corrosion/irritation : Not classified pH: 6 – 7

Serious eye damage/irritation : Causes eye irritation.

pH: 6 – 7

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Suspected of causing cancer.

naphthalene (91-20-3)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

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

Aspiration hazard : May be fatal if swallowed and enters airways.

Viscosity, kinematic : No data available

Symptoms/effects after skin contact : May cause an allergic skin reaction.

Symptoms/effects after eye contact : mild eye irritation.
Symptoms/effects after ingestion : Risk of lung oedema.

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### **SECTION 12: Ecological information**

#### 12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.

pendimethaline (40487-42-1)	
LC50 fish 1	0.14 mg/l (96 h, Salmo gairdneri)
naphthalene (91-20-3)	
LC50 fish 1	0.11 mg/l (96 h, Oncorhynchus mykiss, Literature study)
EC50 Daphnia 1	2.16 mg/l (48 h, Daphnia magna, Literature study)
naphtha,heavy aromatic (64742-94-5)	
EC50 Daphnia 1	0.95 mg/l (EC50; 48 h)
LC50 fish 2	2.34 mg/l (LC50; 96 h; Oncorhynchus mykiss)
Threshold limit algae 2	2.5 mg/l (EC50; 72 h)

#### 12.2. Persistence and degradability

pendimethaline (40487-42-1)	
Persistence and degradability	Biodegradability in soil: no data available.
naphthalene (91-20-3)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	0.22 g O <sub>2</sub> /g substance
ThOD	2.99 g O <sub>2</sub> /g substance
naphtha,heavy aromatic (64742-94-5)	
Persistence and degradability	Not readily biodegradable in water. Not established.

#### 12.3. Bioaccumulative potential

naphthalene (91-20-3)	
BCF fish 1	23 – 168 (8 week(s), Cyprinus carpio, Literature study)
Partition coefficient n-octanol/water (Log Pow)	3.3 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
naphtha,heavy aromatic (64742-94-5)	
Partition coefficient n-octanol/water (Log Pow)	2.9 – 6.1
Bioaccumulative potential	Bioaccumable. Not established.

#### 12.4. Mobility in soil

pendimethaline (40487-42-1)	
Ecology - soil	Not toxic to bees.
naphthalene (91-20-3)	
Surface tension	0.03 N/m (100 °C)
Ecology - soil	Adsorbs into the soil.

#### 12.5. Other adverse effects

No additional information available

## **SECTION 13: Disposal considerations**

#### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

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### SECTION 14: Transport information

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### **SECTION 15: Regulatory information**

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: YXYfU FY[ i 'Uncbg'
FY[]glfUhjcb glUhig.
7 fcd DfchYWicb HG7 5 žl GfY YUqYX #Yl Ya dh
9 D7 F5 "%# %& fk UnUfX WUh/[cf]Ygk_ FYZ/fhc G8 G`gYWhjcb & Zcf ; < G`\UnUfX`WUggYg`Udd`]WUV`Y Zcf h\gclub gidexxi Wh'
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CERCLA RQ
               CAS Number
                                            Chemical name
5000 LBS
               107-21-1
                                            ethylene glycol
                                            acetaldehyde
1000 LBS
               75-07-0
100 LBS
               91-20-3; 107-06-2;
                                            naphthalene; 1,2-dichloroethane; Propylene oxide; 1,4- dioxane; solvent naphtha
              75-56-9; 123-91-1; 64742-94-5
100 LBS
               91-20-3
                                            naphthalene
10 LBS
               75-21-8
                                            Ethylene Oxide
State regulations
State RTK
               CAS Number
                                Chemical name
NJ
               91-20-3
                                naphthalene
                                pendimethalin
               40487-42-1
               64742-94-5
                                solvent naphtha
               90-12-0
                                Naphthalene, 1-methyl-
               91-20-3
PA
                                naphthalene
               64742-94-5
                                solvent naphtha
              90-12-0
                                Naphthalene, 1-methyl-
               91-57-6
                                Naphthalene, 2-methyl-
               107-06-2
                                1,2-dichloroethane
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Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:

Innvictis Risk Assessment, CA Prop. 65:

Based on an evaluation of the product's composition and the use(s), this product does not require a California Proposition 65 Warning.

#### NFPA Hazard codes:

Health: 1 Fire: 1 Reactivity: 1 Special:

#### Labeling requirements under FIFRA

This chemical is a pesticide product regulated by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label. CAUTION:

KEEP OUT OF REACH OF CHILDREN.

KEEP OUT OF REACH OF DOMESTIC ANIMALS.

HARMFUL IF SWALLOWED.

HARMFUL IF ABSORBED THROUGH SKIN.

Causes eye irritation.

Avoid contact with the skin, eyes and clothing.

Wash thoroughly after handling.

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### SECTION 16: Other information

#### Full text of H-statements

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H320	Causes eye irritation
H331	Toxic if inhaled.
H351	Suspected of causing 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.

this information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as uaranteeing any specific property of the product.

SDS US (GHS HazCom 2012)

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