

# SAFETY DATA SHEET

## Surpass Pro

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

#### 1.1 Product identifier

Name of the substance: Surpass Pro  
Code:15368 PPPR  
Formulation type: SC (aqueous suspension concentrate)  
Concentration: 250 g/L (23% w/w)  
Active substance: iprodione  
IUPAC-name: 3-(3,5-dichlorophenyl)-2,4-dioxo-N-isopropylimidazolidine-1-carboxamide  
Identification number: 36734-19-7  
RRN:No registration number is available for this substance, in accordance with the provisions of Article 15 of Regulation (EC) No 1907/2006

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

identified uses: fungicide for professional use

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



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Email: [info@headlandamenity.com](mailto:info@headlandamenity.com)

#### 1.4 Emergency telephone number

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

### Section 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

Carc. 2, Aquatic Chronic 2  
H351, H411

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

Xn, N, Carc. Cat. 3  
R40, R51/53

For full text of R-phrases and/or Hazard-statements see section 16.

## 2.2 Label elements

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

#### Hazard pictogram



#### Signal word

Warning

#### hazard statement

H351: Suspected of causing cancer.

H411: Toxic to aquatic life with long lasting effects.

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

#### precautionary statement

P201: Obtain special instructions before use.

P280: Wear protective gloves/protective clothing

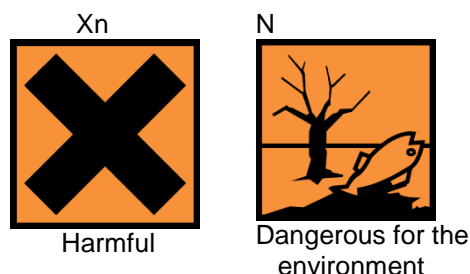
P308 + P313: IF exposed or concerned: Get medical advice/attention.

P391: Collect spillage.

P501: Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

### Label in accordance with Directive 67/548/EEC or 1999/45/EC

#### Symbols:



#### Risk phrases

R40: Limited evidence of a carcinogenic effect.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Safety advice

S2: Keep out of the reach of children.

S13: Keep away from food, drink and animal feedingstuffs.

S20/21: When using do not eat, drink or smoke.

S23: Do not breathe spray.

S35: This material and its container must be disposed of in a safe way.

S36/37: Wear suitable protective clothing and gloves.

S46: If swallowed, seek medical advice immediately and show this container or label.

S57: Use appropriate container to avoid environmental contamination.

S61: Avoid release to the environment. Refer to special instructions/safety data sheets.

## 2.3 Other hazards

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

## Section 3 : Composition/information on ingredients

### 3.2 Mixtures

Name	Identification number	RRN	% (% by weight)	Classification according to Directive 67/548/EEC or 1999/45/EC	Classification according to Regulation (EC) No 1272/2008
iprodione	36734-19-7	not available	250 g/L (23% w/w)	Carc. Cat. 3, N R40, R50/53	Carc. 2, Aquatic Acute 1, Aquatic Chronic 1 H351, H400, H410
propane-1,2-diol	57-55-6	not available	<5% w/w	/	/
sodium hydroxide	1310-73-3	01-2119457892-27	<0.01% w/w	C R35	Skin Corr. 1A H314

For full text of R-phrases and/or Hazard-statements see section 16.

## Section 4: First aid measures

### 4.1 Description of first aid measures

If INHALED:

Fresh air, rest. In case of symptoms, seek medical attention and show the label or packaging.

In case of contact with SKIN:

Rinse the skin with plenty of water or take a shower for 15 minutes. Meanwhile, remove contaminated clothing and shoes. In case of symptoms, seek medical attention and show the label or packaging.

In case of contact with EYES:

Rinse thoroughly with water for 10 minutes. Rinse AWAY from the non-affected eye. If wearing contact lenses: if easy to remove, first remove the lenses, then rinse. Consult a doctor and show the label or packaging.

If SWALLOWED:

Rinse the mouth. Consult a doctor immediately and show the label or packaging.

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

No data available in humans. The symptoms mentioned below were observed in animal studies.

INHALATION: No information available.

SWALLOWING: Drowsiness, loss of coordination.

SKIN contact: No irritating effects were observed.

EYE contact: Mild erythema, slightly swollen eyes. The symptoms are reversible.

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

Notes to physician:

Prehospital: symptomatic treatment.

Since no or very few cases have been reported in humans, observation in the hospital is recommended after ingestion.

## **Section 5 : Fire fighting measures**

### **5.1 Extinguishing media**

Suitable extinguishing media: chemical powder, water spray, CO<sub>2</sub>

Unsuitable extinguishing media: Water with full jet (polyvalent foam may not be suitable as an extinguishing medium as the product contains an antifoaming agent).

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

The product contains flammable organic substances. In case of a fire, a thick black smoke containing hazardous products of combustion will be generated (see section 10).

Exposure to decomposition products can be harmful to one's health.

### **5.3 Advice for fire-fighters**

Self-contained breathing apparatus and full protective clothing (boots, overall, gloves, eye and face protection). Avoid discharge of extinguish water into sewer or watercourse.

## **Section 6 : Accidental release measures**

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

See section 8

### **6.2 Environmental precautions**

Prevent the product from entering into soil, sewers, surface or ground water. If necessary, isolate the contaminated area. First remove spillage and accidental leaks (see section 6.3). Then rinse the contaminated area with water. Do not allow residues to enter into sewer and surface water. Dispose contaminated water according to local legislation. Inform the authorities if product pollutes the environment.

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

#### **6.3.1 Containment of a spill**

If applicable, cover spillage with absorbing material (sand, clay, diatomite, universal binders, absorbing grain).

#### **6.3.2 Clean-up of a spill**

Spills shall be contained by means of absorbent material and a shovel. The collected products shall be disposed of in re-usable barrels or barrels for waste removal. As soon as the substance has been removed, thoroughly clean up the floor and any object that has been in contact with the substance in compliance with the environmental prescriptions.

#### **6.3.3 Additional information**

No additional information

### **6.4 Reference to other sections**

See section 1 contact information

See section 7 for handling and storage

See section 8 for exposure controls/ personal protection

See section 13 for disposal considerations

## Section 7 : Handling and storage

### 7.1 Precautions for safe handling

#### 7.1.1 Protective measurements

Work under local exhaust/ventilation. Observe normal industrial and hygiene standards. Wear personnel protective clothing. Avoid contact with skin and eyes. Avoid forming of aerosol or dust. Wash hands after use. Do not discharge product into sewer. Keep away from source of ignition.

#### 7.1.2 Advice on general occupational hygiene

When using, do not eat, drink or smoke. Clean used material. Wash hands after each use. Wash contaminated clothing after use. Remove contaminated clothing and protective equipment before entering eating areas

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

Store in closed packaging in a dry, well ventilated area. Store in original packaging. Keep away from food, drink and animal feeding stuffs. Keep out of reach of children. See also section 10.

### 7.3 Specific end use(s)

See section 1.2.

## Section 8 : Exposure controls/personal protection

### 8.1 Control parameters

#### 8.1.1 Occupational exposure limit values

propane-1,2-diol, particulates (CAS 57-55-6):

limit value (8h): 10 mg/m<sup>3</sup> (UK)

propane-1,2-diol, total vapour and particulates (CAS 57-55-6):

limit value (8h): 150 ppm, 474 mg/m<sup>3</sup> (UK)

sodium hydroxide (CAS 1310-73-2):

limit value (short term): 2 mg/m<sup>3</sup> (UK)

#### 8.1.2 Information on currently recommended monitoring procedures

Not known

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

See section 7 and 8.1.1.

#### 8.2.2 Individual protection measures, such as personal protective equipment

##### 8.2.2.1 Eye / face protection

Wear safety goggles, with side-protection.

### 8.2.2.2 Skin protection

#### 8.2.2.2.1 Hand protection

Wear chemical protective gloves (EN374).

#### 8.2.2.2.2 other

Wear suitable work clothes. (Coverall with full body protection)

### 8.2.2.3 Respiratory protection

Use always in a well ventilated area.

Only if applicable:

Gas, vapours: gas filter: semi-facial mask with ABEK filter.

Dust, mist, fumes: dust mask : P2FFP2

## 8.2.3 Environmental exposure controls

See section 6: Accidental release measures

See section 7: storage and handling

See section 13: Disposal considerations

## Section 9 : Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

	Endpoint (unit)
a) Appearance	mint green liquid
b) Odour	plasic odour
c) Odour threshold	no data available
d) pH	5.5 (1% solution)
e) Melting point/freezing point	no data available
f) Initial boiling point and boiling range	no data available
g) Flash point	>95°C
h) Evaporation rate	no data available
i) Flammability (solid, gas)	not relevant for liquid formulations
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	1.08526 g/ml
n) Solubility(ies)	no data available
o) Partition coefficient: n-octanol/water	log Pow = 3 (pH 3-5) (active substance)
p) Auto-ignition temperature	not auto-flammable below 400 °C
q) Decomposition temperature	not relevant
r) Viscosity	1576 mPa.s (at shear rate of 2s-1 and 20°C)
s) Explosive properties	no explosive properties
t) Oxidising properties.	no oxidising properties

### 9.2 Other information

No additional information

## Section 10 : Stability and reactivity

### 10.1 Reactivity

Stable under normal conditions of handling and storage.

### 10.2 Chemical stability

Stable under normal environmental temperatures (between 0°C and 40°C). See also section 7.2.

### 10.3 Possibility of hazardous reactions

No specific data known.

### 10.4 Conditions to avoid

No specific data known.

### 10.5 Incompatible materials

No specific data known.

### 10.6 Hazardous decomposition products

Combustion or thermal decomposition produce toxic and irritating vapours. See section 5.3

## Section 11 : Toxicological information

### 11.1 Information on toxicological effects

	endpoint	duration	species	tested on
a) acute toxicity	oral: LD50 > 2000 mg/kg bw	single dose	rat	formulated product
	dermal: LD50 > 2000 mg/kg bw	24h exposure	rat	formulated product
	inhalation: LC50 > 5.16 mg/l air	4h exposure	rat	active substance (technical)
b) skin corrosion/irritation	non-irritant	4h exposure	rabbit	formulated product
c) serious eye damage/irritation	non-irritant	single dose	rabbit	formulated product
d) respiratory or skin sensitization	non-sensitiser (M&K test)	24h	guinea pig	formulated product
e) germ cell mutagenicity	no genotoxic potential		multiple in vitro and in vivo test systems	active substance (technical)
f) carcinogenicity	NOAEL= 6.1 mg/kg bw/day	2 year	rat	active substance (technical)
g) reproductive toxicity	NOAEL/NOEL = 17 mg/kg bw/day	two generation study	rat	active substance (technical)
h) STOT-single exposure	no data available			
i) STOT-repeated exposure	no data available			
j) aspiration hazard	no data available			

## Section 12 : Ecological information

### 12.1 Toxicity

	endpoint	duration	species	tested on
Acute toxicity fish	LC50 > 48 mg/L	96h	<i>Oncorhynchus mykiss</i>	formulated product
Acute toxicity invertebrates	EC50 = 8.64 mg/L	48h	<i>Daphnia magna</i>	formulated product
Algae	EC50 (yield) = 13.47 mg/L	72h	<i>Pseudokirchneriella subcapitata</i>	formulated product

### 12.2 Persistence and degradability

DT50 (soil) = 126 days  
DT50 (photolysis) = 67 days  
DT50 (water) < 6 hours  
DT50 (water/sediment) < 30 days  
(active substance (technical) data)

### 12.3 Bioaccumulative potential

log Pow = 3 (pH 3-5) (active substance)  
bioconcentration factor (BCF) = 70 (active substance (technical))

### 12.4 Mobility in soil

Koc = 202 - 543 mL/g (moderately to slightly mobile) (active substance (technical))

### 12.5 Results of PBT and vPvB assessment

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

### 12.6 Other adverse effects

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## Section 13 : Disposal considerations




### 13.1 Waste treatment methods

Product waste: prevent spreading. To be disposed of in compliance with local and national prescriptions.

Polluted packages: Do not re-use empty packages. If required, rinse 3 times. To be disposed of in compliance with local and national prescriptions.



**Section 14: Transport information**

	<b>ADR classification</b>	<b>IMDG classification</b>	<b>IATA classification</b>
<b>14.1 UN number</b>	3082	3082	3082
<b>14.2 UN proper shipping name</b>	environmentally hazardous substance, liquid, N.O.S. (iprodione)	environmentally hazardous substance, liquid, N.O.S. (iprodione)	environmentally hazardous substance, liquid, N.O.S. (iprodione)
<b>14.3 Transport hazard class(es)</b>	9	9	9
<b>14.4 Packing group</b>	III	III	III
<b>14.5 Environmental hazards</b>	yes	yes	yes
<b>14.6 Special precautions for user</b>	<p>Symbols:</p>  <p>Tunnel code: E</p>	<p>Symbols:</p> 	<p>Symbols:</p> 
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable for road transport	Not applicable (not transported as bulk)	Not applicable for air transport

**Section 15 : Regulatory information**

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

SEVESO category: not known

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16 : Other information**

**Relevant H-phrases / R-phrases**

R40: Limited evidence of a carcinogenic effect.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R35: Causes severe burns.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

H351: Suspected of causing cancer.

H411: Toxic to aquatic life with long lasting effects.

H314: Causes severe skin burns.  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.

#### **List of abbreviations and acronyms**

RRN: REACH registration number

#### **Changes to the previous version of safety data sheet.**

Section 2: CLP implementation

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

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

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