

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending Regulation (EC) No 1907/2006



AVAUNT(R) 150 EC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	16.08.2021	50000122	Date of first issue: 16.08.2021

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

1.1 Product identifier

Product name AVAUNT(R) 150 EC

Other means of identification

Product code 50000122

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

Use of the Substance/Mixture	Insecticide
Recommended restrictions on use	Use as recommended by the label.

1.3 Manufacturer or supplier's details

Supplier Address

CHEMINOVA A/S, a subsidiary of FMC Corporation
Thyborønvej 78
Harboøre, DK-7673
Denmark

Telephone: +45 9690 9690
Telefax: +45 9690 9691
E-mail address: SDS-Info@fmc.com (E-Mail General Information)

1.4 Emergency telephone number

For leak, fire, spill or accident emergencies, call:
Finland: 358-942419014 (CHEMTREC)

Medical emergency:
Finland: 0800 147 111

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.
Skin irritation, Category 2	H315: Causes skin irritation.
Specific target organ toxicity - repeated exposure, Category 2, Blood	H373: May cause damage to organs through prolonged or repeated exposure.

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending Regulation (EC) No 1907/2006



AVAUNT(R) 150 EC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	16.08.2021	50000122	Date of first issue: 16.08.2021

Long-term (chronic) aquatic hazard, Category 2 H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word

: Warning

Hazard statements

: H302 Harmful if swallowed.
H315 Causes skin irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Supplemental Hazard Statements

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

Precautionary statements

: P102 Keep out of reach of children.

Prevention:

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P280 Wear protective gloves.

Response:

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P391 Collect spillage.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

indoxacarb (ISO)

Additional Labelling

EUH208 May produce an allergic reaction.

2.3 Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).
This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending Regulation (EC) No 1907/2006



AVAUNT(R) 150 EC

Version 1.0 Revision Date: 16.08.2021 SDS Number: 50000122 Date of last issue: -
Date of first issue: 16.08.2021

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

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
indoxacarb (ISO)	173584-44-6 607-700-00-0	Acute Tox. 3; H301 Acute Tox. 4; H332 Skin Sens. 1B; H317 STOT RE 1; H372 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	>= 10 - < 20

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Show this safety data sheet to the doctor in attendance.
- If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.
If breathing is irregular or stopped, administer artificial respiration.
- In case of skin contact : Take off all contaminated clothing immediately.
Wash off immediately with plenty of water for at least 15 minutes.
Call a physician if irritation develops or persists.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Remove contact lenses.
Rinse with plenty of water.
Seek medical advice.

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending Regulation (EC) No 1907/2006



AVAUNT(R) 150 EC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	16.08.2021	50000122	Date of first issue: 16.08.2021

If swallowed : Give small amounts of water to drink.
DO NOT induce vomiting unless directed to do so by a physician or poison control center.
Never give anything by mouth to an unconscious person.
Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Risks : Harmful if swallowed.
May cause an allergic skin reaction.
May cause damage to organs.
May cause damage to organs through prolonged or repeated exposure.

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Dry chemical, CO₂, water spray or regular foam.

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : Carbon oxides

5.3 Advice for firefighters

Special protective equipment for firefighters : Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Evacuate personnel to safe areas.
Ensure adequate ventilation.
Use personal protective equipment.
Wear respiratory protection when its use is identified for certain contributing scenario.
Never return spills in original containers for re-use.
For disposal considerations see section 13.

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending Regulation (EC) No 1907/2006



AVAUNT(R) 150 EC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	16.08.2021	50000122	Date of first issue: 16.08.2021

6.2 Environmental precautions

Environmental precautions : Prevent further leakage or spillage if safe to do so. Try to prevent the material from entering drains or water courses. 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 : Collect as much of the spill as possible with a suitable absorbent material. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Sweep up and shovel into suitable containers for disposal.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : No special precautions are needed in handling this material. Keep container closed when not in use. Use only with adequate ventilation/personal protection. For personal protection see section 8.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep tightly closed in a dry, cool and well-ventilated place. Observe label precautions. Keep container closed when not in use. Keep locked up or in an area accessible only to qualified or authorised persons. Keep in properly labelled containers.

Recommended storage temperature : > 0 °C

Further information on storage stability : Do not freeze. Protect from frost.

7.3 Specific end use(s)

Specific use(s) : Registered pesticide to be used in accordance with a label approved by country-specific regulatory authorities.

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending Regulation (EC) No 1907/2006



AVAUNT(R) 150 EC

Version 1.0 Revision Date: 16.08.2021 SDS Number: 50000122 Date of last issue: -
Date of first issue: 16.08.2021

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
2-methylpropan-1-ol	78-83-1	HTP-arvot 8h	50 ppm 150 mg/m ³	FI OEL
Further information	The health risk of absorbed amounts of compounds which can pass through the skin to the body cannot be evaluated from their atmospheric concentration. Therefore these compounds have the notification 'skin'in the list. Many compounds can be irritating or coorsive when in contact with the skin, especially strong acids and bases.			
		HTP-arvot 15 min	75 ppm 230 mg/m ³	FI OEL
2-ethylhexan-1-ol	104-76-7	TWA	1 ppm 5,4 mg/m ³	2017/164/EU
Further information	Indicative			
		HTP-arvot 8h	1 ppm 5,4 mg/m ³	FI OEL
methanol	67-56-1	TWA	200 ppm 260 mg/m ³	2006/15/EC
Further information	Indicative, Identifies the possibility of significant uptake through the skin			
		HTP-arvot 8h	200 ppm 270 mg/m ³	FI OEL
Further information	The health risk of absorbed amounts of compounds which can pass through the skin to the body cannot be evaluated from their atmospheric concentration. Therefore these compounds have the notification 'skin'in the list. Many compounds can be irritating or coorsive when in contact with the skin, especially strong acids and bases.			
		HTP-arvot 15 min	250 ppm 330 mg/m ³	FI OEL

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

Substance name	End Use	Exposure routes	Potential health effects	Value
Fatty acids, C8-10, Me esters	Workers	Inhalation	Long-term systemic effects	73,06 mg/m ³
	Workers	Dermal	Long-term systemic effects	103,6 mg/kg
Fatty acids, C16-18 and C18-unsatd., Me esters	Workers	Inhalation	Long-term systemic effects	6,96 mg/m ³
	Workers	Dermal	Long-term systemic effects	10 mg/kg bw/day
2-methylpropan-1-ol	Workers	Inhalation	Long-term systemic effects	310 mg/m ³
2-ethylhexan-1-ol	Workers	Inhalation	Long-term systemic	12,8 mg/m ³

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending Regulation (EC) No 1907/2006



AVAUNT(R) 150 EC

Version 1.0 Revision Date: 16.08.2021 SDS Number: 50000122 Date of last issue: -
Date of first issue: 16.08.2021

			effects	
	Workers	Dermal	Long-term systemic effects	23 mg/kg
methyl decanoate	Workers	Inhalation	Long-term systemic effects	61,4 mg/m ³
	Workers	Dermal	Long-term systemic effects	121,8 mg/kg
methanol	Workers	Inhalation	Long-term systemic effects	260 mg/m ³
	Workers	Inhalation	Acute systemic effects	260 mg/m ³
	Workers	Inhalation	Long-term local effects	260 mg/m ³
	Workers	Inhalation	Acute local effects	260 mg/m ³
	Workers	Dermal	Long-term systemic effects	40 mg/kg
	Workers	Dermal	Acute systemic effects	40 mg/kg

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

Substance name	Environmental Compartment	Value
Fatty acids, C8-10, Me esters	Fresh water	0,001 mg/l
	Marine water	0 mg/l
	Sewage treatment plant	3,92 mg/l
	Fresh water sediment	0,026 mg/kg
	Marine sediment	0,003 mg/kg
	Soil	0,009 mg/kg
	Oral	33 mg/kg
Fatty acids, C16-18 and C18-unsatd., Me esters	Fresh water	2,504 mg/l
	Marine water	0,25 mg/l
	Intermittent use (freshwater)	25,04 mg/l
	Sewage treatment plant	520 mg/l
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts	Fresh water	270 µg/l
	Intermittent use/release	2,7 mg/l
	Marine water	270 µg/l
	Intermittent use/release	2,7 mg/l
	Sewage treatment plant	5,5 mg/l
	Fresh water sediment	23,8 mg/kg dry weight (d.w.)
	Marine sediment	23,8 mg/kg dry weight (d.w.)
2-methylpropan-1-ol	Soil	35 mg/kg dry weight (d.w.)
	Fresh water	0,4 mg/l
	Intermittent use/release	11 mg/l
	Marine water	0,04 mg/l
	Sewage treatment plant	10 mg/l
	Fresh water sediment	1,56 mg/kg dry weight (d.w.)
	Marine sediment	0,156 mg/kg dry

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending Regulation (EC) No 1907/2006



AVAUNT(R) 150 EC

Version 1.0 Revision Date: 16.08.2021 SDS Number: 50000122 Date of last issue: -
Date of first issue: 16.08.2021

		weight (d.w.)
	Soil	0,076 mg/kg dry weight (d.w.)
2-ethylhexan-1-ol	Fresh water	0,017 mg/l
	Intermittent use/release	0,17 mg/l
	Marine water	0,0017 mg/l
	Sewage treatment plant	10 mg/kg dry weight (d.w.)
	Fresh water sediment	0,284 mg/kg dry weight (d.w.)
methyl decanoate	Fresh water	0,0011 mg/l
	Marine water	110 ng/l
	Intermittent use/release	0,0011 mg/l
	Sewage treatment plant	100 mg/l
	Fresh water sediment	0,0469 mg/kg dry weight (d.w.)
	Marine sediment	0,0047 mg/kg dry weight (d.w.)
	Soil	10 mg/kg dry weight (d.w.)
methanol	Fresh water	20,8 mg/l
	Intermittent use/release	1,54 mg/l
	Marine water	2,08 mg/l
	Sewage treatment plant	100 mg/l
	Fresh water sediment	77 mg/kg
	Marine sediment	7,7 mg/kg

8.2 Exposure controls

Personal protective equipment

Eye protection : Wear safety glasses with side shields or goggles.

Hand protection

Remarks : Wear chemical resistant gloves, such as barrier laminate, butyl rubber or nitrile rubber.

Skin and body protection : Wear appropriate chemical resistant clothing to prevent skin contact depending on the extent of exposure. During most normal work situations where exposure to the material cannot be avoided for a limited time span, waterproof pants and apron of chemical resistant material or coveralls of polyethylene (PE) will be sufficient. Coveralls of PE must be discarded after use if contaminated. In cases of excessive or prolonged exposure, coveralls of barrier laminate may be required.

Respiratory protection : No personal respiratory protective equipment normally required.

Protective measures : Wear suitable protective equipment.
Personal protective equipment comprising: suitable protective

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending Regulation (EC) No 1907/2006



AVAUNT(R) 150 EC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	16.08.2021	50000122	Date of first issue: 16.08.2021

gloves, safety goggles and protective clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Colour	:	amber
Odour	:	of burnt sugar
Odour Threshold	:	not determined
pH	:	5,4 (25 °C) Concentration: 10 g/l
Melting point/range	:	Not applicable
Boiling point/boiling range	:	Not available for this mixture.
Flash point	:	69 °C
Evaporation rate	:	Not available for this mixture.
Flammability (solid, gas)	:	The product is not flammable.
Upper explosion limit / Upper flammability limit	:	Not available for this mixture.
Lower explosion limit / Lower flammability limit	:	Not available for this mixture.
Vapour pressure	:	Not available for this mixture.
Relative vapour density	:	Not available for this mixture.
Relative density	:	0,9494 (20 °C)
Solubility(ies)	:	
Water solubility	:	emulsifiable
Partition coefficient: n-octanol/water	:	Not applicable
Decomposition temperature	:	Not available for this mixture.
Viscosity	:	
Viscosity, dynamic	:	5,6 mPa,s (25 °C)
Viscosity, kinematic	:	4,68 mm ² /s (20 °C)

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending
Regulation (EC) No 1907/2006



AVAUNT(R) 150 EC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	16.08.2021	50000122	Date of first issue: 16.08.2021

Explosive properties : Not explosive
Oxidizing properties : The product is not oxidizing.

9.2 Other information

Self-ignition : 255 °C

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : None reasonably foreseeable.
Hazardous decomposition products formed under fire conditions.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Harmful if swallowed.

Product:

Acute oral toxicity : LD50 (Rat): 976,8 mg/kg
Method: OECD Test Guideline 425
GLP: yes
Remarks: (Data on the product itself)
Information source: Internal study report

Acute inhalation toxicity : LC50 (Rat): > 5,2 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
GLP: yes
Remarks: (Data on the product itself)

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending Regulation (EC) No 1907/2006



AVAUNT(R) 150 EC

Version 1.0 Revision Date: 16.08.2021 SDS Number: 50000122 Date of last issue: -
Date of first issue: 16.08.2021

Information source: Internal study report

Acute dermal toxicity : LD50 (Rat): > 5.000 mg/kg
Method: OECD Test Guideline 402
GLP: yes
Remarks: (Data on the product itself)
Information source: Internal study report

Components:

indoxacarb (ISO):

Acute oral toxicity : LD50 (Rat, female): 179 mg/kg
Remarks: nervous system effects such as
Hypoactivity
Tremors
Incoordination
Abnormal tearing
mortality
Motor Activity effects

Acute inhalation toxicity : LC50 (Rat): 4,2 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rat): > 5.000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Product:

Species : Rabbit
Method : OECD Test Guideline 404
GLP : yes
Remarks : (Data on the product itself)
Information source: Internal study report

Components:

indoxacarb (ISO):

Species : Rabbit
Result : Mild skin irritant
Remarks : May cause skin irritation and/or dermatitis.

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Species : Rabbit
Method : OECD Test Guideline 405
Result : No eye irritation

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending Regulation (EC) No 1907/2006



AVAUNT(R) 150 EC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	16.08.2021	50000122	Date of first issue: 16.08.2021

GLP : yes
Remarks : (Data on the product itself)
Information source: Internal study report

Components:

indoxacarb (ISO):

Species : Rabbit
Result : slight irritation
Remarks : Product dust may be irritating to eyes, skin and respiratory system.

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified based on available information.

Product:

Test Type : Maximisation Test
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Animal test did not cause sensitization by skin contact.
GLP : yes
Remarks : (Data on the product itself)
Information source: Internal study report

Components:

indoxacarb (ISO):

Result : May cause sensitisation by skin contact.

Germ cell mutagenicity

Not classified based on available information.

Components:

indoxacarb (ISO):

Genotoxicity in vitro : Result: negative
Genotoxicity in vivo : Result: negative
Germ cell mutagenicity- Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects., Animal testing did not show any mutagenic effects.

Carcinogenicity

Not classified based on available information.

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending Regulation (EC) No 1907/2006



AVAUNT(R) 150 EC

Version 1.0 Revision Date: 16.08.2021 SDS Number: 50000122 Date of last issue: -
Date of first issue: 16.08.2021

Components:

indoxacarb (ISO):

Result : negative

Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects.

Reproductive toxicity

Not classified based on available information.

Components:

indoxacarb (ISO):

Reproductive toxicity - Assessment : Animal testing did not show any effects on fertility., No toxicity to reproduction
Animal testing did not show any effects on foetal development.

STOT - single exposure

May cause damage to organs (Nervous system).

Product:

Target Organs : Nervous system
Assessment : May cause damage to organs.

Components:

indoxacarb (ISO):

Target Organs : Central nervous system, Blood
Assessment : The substance or mixture is classified as specific target organ toxicant, single exposure, category 2.

STOT - repeated exposure

May cause damage to organs (Blood) through prolonged or repeated exposure.

Components:

indoxacarb (ISO):

Target Organs : Central nervous system, Blood
Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

Repeated dose toxicity

Product:

Species : Rat, female
Application Route : Oral - feed
Exposure time : 28 d
Method : OECD Test Guideline 408
GLP : yes

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending Regulation (EC) No 1907/2006



AVAUNT(R) 150 EC

Version 1.0 Revision Date: 16.08.2021 SDS Number: 50000122 Date of last issue: -
Date of first issue: 16.08.2021

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

Remarks : Information source: Internal study report (Data on the product itself)

Species : Rat, female
Application Route : Oral - feed
Exposure time : 90 d
Method : OECD Test Guideline 408
GLP : yes
Target Organs Assessment : Blood
: The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

Remarks : Information source: Internal study report (Data on the product itself)

Aspiration toxicity

Not classified based on available information.

Product:

The mixture does not have properties associated with aspiration hazard potential.

Further information

Components:

indoxacarb (ISO):

Remarks : No data available

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 7,0 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203
GLP: yes
Remarks: (Data on the product itself)
Information source: Internal study report

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1,67 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
GLP: yes
Remarks: (Data on the product itself)
Information source: Internal study report

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending
Regulation (EC) No 1907/2006



AVAUNT(R) 150 EC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	16.08.2021	50000122	Date of first issue: 16.08.2021

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): > 16 mg/l
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
GLP: yes
Remarks: (Data on the product itself)
Information source: Internal study report

Components:

indoxacarb (ISO):

M-Factor (Acute aquatic toxicity) : 1

Toxicity to fish (Chronic toxicity) : NOEC: 0,15 mg/l
Exposure time: 90 d
Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,9 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)

M-Factor (Chronic aquatic toxicity) : 1

Toxicity to terrestrial organisms : LD50: .0039
Species: Apis mellifera (bees)

LD50: 152 mg/kg
Species: Colinus virginianus (Bobwhite quail)

12.2 Persistence and degradability

Product:

Biodegradability : Result: Not readily biodegradable.
Remarks: Estimation based on data obtained on active ingredient.

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: Does not bioaccumulate.
Estimation based on data obtained on active ingredient.

Components:

indoxacarb (ISO):

Partition coefficient: n-octanol/water : log Pow: 0,57 (20 °C)

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending Regulation (EC) No 1907/2006



AVAUNT(R) 150 EC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	16.08.2021	50000122	Date of first issue: 16.08.2021

12.4 Mobility in soil

Product:

Distribution among environmental compartments : Remarks: Under actual use conditions the product has a low potential of mobility in soil.

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).. This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB)..

: 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..

12.6 Other adverse effects

Product:

Additional ecological information : See product label for additional application instructions relating to environmental precautions.

No other ecological effects to be specially mentioned.

Components:

indoxacarb (ISO):

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Very toxic to aquatic life with long lasting effects.
Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of as hazardous waste in compliance with local and national regulations.
Dispose of wastes in an approved waste disposal facility.
Waste must be classified and labelled prior to recycling or disposal.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Do not dispose of waste into sewer.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending
Regulation (EC) No 1907/2006



AVAUNT(R) 150 EC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	16.08.2021	50000122	Date of first issue: 16.08.2021

Empty containers should be taken to an approved waste handling site for recycling or disposal.
Dispose of contents/ container to an approved waste disposal plant.

SECTION 14: Transport information

14.1 UN number

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

14.2 UN proper shipping name

ADN	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Indoxacarb)
ADR	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Indoxacarb)
RID	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Indoxacarb)
IMDG	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Indoxacarb)
IATA	:	Environmentally hazardous substance, liquid, n.o.s. (Indoxacarb)

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

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending Regulation (EC) No 1907/2006



AVAUNT(R) 150 EC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	16.08.2021	50000122	Date of first issue: 16.08.2021

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

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)

Environmentally hazardous : yes

IATA (Cargo)

Environmentally hazardous : yes

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending Regulation (EC) No 1907/2006



AVAUNT(R) 150 EC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	16.08.2021	50000122	Date of first issue: 16.08.2021

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

- REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Not applicable
- REACH - List of substances subject to authorisation (Annex XIV) : Not applicable
- Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable
- Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable
- Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : indoxacarb (ISO)
- REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:
Number on list 3
methanol (Number on list 69)

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

E2 ENVIRONMENTAL HAZARDS

E1

Other regulations:

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

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

The components of this product are reported in the following inventories:

- TCSI : On the inventory, or in compliance with the inventory
- TSCA : Product contains substance(s) not listed on TSCA inventory.
- AICS : Not in compliance with the inventory
- DSL : This product contains the following components that are not

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending
Regulation (EC) No 1907/2006



AVAUNT(R) 150 EC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	16.08.2021	50000122	Date of first issue: 16.08.2021

on the Canadian DSL nor NDSL.

METHYL (S)-7-CHLORO-2,3,4A,5-TETRAHYDRO-2-
{(METHOXYCARBONYL)[4-
(TRIFLUOROMETHOXY)PHENYL]CARBAMOYL}INDENO[1,
2-E][1,3,4]OXADIAZINE-4A-CARBOXYLATE
Fatty acids, C8-10, Me esters
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium
salts

ENCS	:	Not in compliance with the inventory
ISHL	:	Not in compliance with the inventory
KECI	:	Not in compliance with the inventory
PICCS	:	Not in compliance with the inventory
IECSC	:	Not in compliance with the inventory
NZIoC	:	Not in compliance with the inventory

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture.

SECTION 16: Other information

Full text of H-Statements

H301	:	Toxic if swallowed.
H317	:	May cause an allergic skin reaction.
H332	:	Harmful if inhaled.
H372	:	Causes damage to organs through prolonged or repeated exposure.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Skin Sens.	:	Skin sensitisation
STOT RE	:	Specific target organ toxicity - repeated exposure
STOT SE	:	Specific target organ toxicity - single exposure
2006/15/EC	:	Europe. Indicative occupational exposure limit values
2017/164/EU	:	Europe. Commission Directive 2017/164/EU establishing a fourth list of indicative occupational exposure limit values
FI OEL	:	Finland. HTP Values - Concentrations Known to be Harmful
2006/15/EC / TWA	:	Limit Value - eight hours
2017/164/EU / TWA	:	Limit Value - eight hours
FI OEL / HTP-arvot 8h	:	Long term exposure limit

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending Regulation (EC) No 1907/2006



AVAUNT(R) 150 EC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	16.08.2021	50000122	Date of first issue: 16.08.2021

FI OEL / HTP-arvot 15 min : 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; AIIIC - Australian Inventory of Industrial Chemicals; 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; SVHC - Substance of Very High Concern; 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
6.3 2	H315
STOT RE 2	H373
Aquatic Chronic 2	H411

Classification procedure:

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

Disclaimer

FMC Corporation believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. You can contact FMC Corporation to ensure that this document is the most current available from FMC Corporation. No warranty of fitness for any particular purpose, warranty of merchantability or any other warranty, expressed or implied, is made concerning the information provided herein. The information provided herein relates only to the specified product designated and may not be applicable where such product is used in combination with any other materials or in any process. The user is responsible for determining whether the product is fit for a particular purpose and suitable for the user's conditions and methods of use. Since the conditions and methods of use are beyond the control of FMC Corporation, FMC Corporation expressly

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending
Regulation (EC) No 1907/2006



AVAUNT(R) 150 EC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	16.08.2021	50000122	Date of first issue: 16.08.2021

disclaims any and all liability as to any results obtained or arising from any use of the products or reliance on such information.

Prepared by

FMC Corporation

FMC Logo - Trademark of FMC Corporation

© 2021 FMC Corporation. All Rights Reserved.

FI / 6N