

INFINITO 1/13

 Version 6 / IRL
 Revision Date: 06.12.2022

 102000027553
 Print Date: 06.12.2022

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name INFINITO

UFI 5UQ0-T0CN-300N-SQ2J

Product code (UVP) 80870612

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

Use Fungicide

1.3 Details of the supplier of the safety data sheet

Supplier Bayer CropScience Ltd

Bayer Ltd

1st Floor, The Grange Offices The Grange, Brewery Road

Stillorgan

A94 H2K7 Co. Dublin

Ireland

Telephone +353 1 216 3300

Responsible Department Email: gb-bcs-crop-regulatory-affairs@bayer.com

1.4 Emergency telephone no.

Emergency telephone no. 00800 1020 3333 (24 hr) (not available on non-contract mobile phones)

For Medical Professionals: You can also contact Dublin NPIS.

For Members of the Public: You can also contact 01 809 2166 (for Republic of Ireland).

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Skin sensitisation: Category 1

H317 May cause an allergic skin reaction.

Reproductive toxicity: Category 2

H361d Suspected of damaging the unborn child.

Acute aquatic toxicity: Category 1

H400 Very toxic to aquatic life.

Chronic aquatic toxicity: Category 2

H411 Toxic to aquatic life with long lasting effects.



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2.2 Label elements

Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Hazard label for supply/use required.

Hazardous components which must be listed on the label:

- Propamocarb hydrochloride
- Fluopicolide







Signal word: Warning Hazard statements

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

H361d Suspected of damaging the unborn child.

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

use.

Precautionary statements

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor/ physician.

P501 Dispose of contents/container to a licensed hazardous waste disposal contractor or

collection site, except for triple rinsed empty containers which can be disposed of as

non-hazardous waste.

2.3 Other hazards

No additional hazards known beside those mentioned.

Propamocarb hydrochloride: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB). Fluopicolide: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).

Ecological information: The substance/mixture does not contain components considered to

have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission

Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to

have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission

Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical nature



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Suspension concentrate (=flowable concentrate)(SC) Propamocarb hydrochloride/Fluopicolide 625:62,5 g/l

Hazardous components

Hazard statements according to Regulation (EC) No. 1272/2008

Name	CAS-No. /	Classification	Conc. [%]
	EC-No. / REACH Reg. No.	REGULATION (EC) No 1272/2008	
Propamocarb hydrochloride	25606-41-1 247-125-9	Skin Sens. 1, H317	55.3
Fluopicolide	239110-15-7	Repr. 2, H361d Aquatic Acute 1, H400 Aquatic Chronic 1, H410	5.53

Further information

Fluopicolide	239110-15-7	M-Factor: 10 (acute), 1 (chronic)

For the full text of the H-Statements mentioned in this Section, see Section 16.

Particle characteristics

This substance/ mixture does not contain nanoforms

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice Move out of dangerous area. Place and transport victim in stable

position (lying sideways). Remove contaminated clothing immediately

and dispose of safely.

Inhalation Move to fresh air. Keep patient warm and at rest. Call a physician or

poison control center immediately.

Skin contact Wash off thoroughly with plenty of soap and water, if available with

polyethyleneglycol 400, subsequently rinse with water. Call a physician

or poison control center immediately.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at

least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control

center immediately.

Ingestion Do NOT induce vomiting. Rinse mouth. Call a physician or poison

control center immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms If large amounts are ingested, the following symptoms may occur:

lethargy, ataxia, Convulsions

Symptoms and hazards refer to effects observed after intake of

significant amounts of the active ingredient(s).

4.3 Indication of any immediate medical attention and special treatment needed



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Risks This product, although being a carbamate, is NOT a cholinesterase

inhibitor.

Treat symptomatically. In case of ingestion gastric lavage should be

considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable. There is no specific antidote.

Contraindication: atropine.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Use water spray, alcohol-resistant foam, dry chemical or carbon

dioxide.

Unsuitable High volume water jet

5.2 Special hazards arising from the substance or

mixture

In the event of fire the following may be released:, Hydrogen chloride (HCl), Hydrogen cyanide (hydrocyanic acid), Hydrogen fluoride,

Carbon monoxide (CO), Nitrogen oxides (NOx)

5.3 Advice for firefighters

Special protective equipment for firefighters

In the event of fire and/or explosion do not breathe fumes. Wear self-

contained breathing apparatus and protective suit.

Further information Contain the spread of the fire-fighting media. Do not allow run-off from

fire fighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Precautions Avoid contact with spilled product or contaminated surfaces. Use

personal protective equipment.

6.2 Environmental

precautions

Do not allow to get into surface water, drains and ground water. If the product contaminates rivers and lakes or drains inform respective

authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid

binder, universal binder, sawdust). Clean contaminated floors and objects thoroughly, observing environmental regulations. Keep in

suitable, closed containers for disposal.

Additional advice Check also for any local site procedures.

6.4 Reference to other

sections

Information regarding safe handling, see section 7.

Information regarding personal protective equipment, see section 8.

Information regarding waste disposal, see section 13.



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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling No specific precautions required when handling unopened

packs/containers; follow relevant manual handling advice. Ensure

adequate ventilation.

Advice on protection against fire and explosion

Keep away from heat and sources of ignition.

Hygiene measures Avoid contact with skin, eyes and clothing. Keep working clothes

separately. Wash hands before breaks and immediately after handling the product. Remove soiled clothing immediately and clean thoroughly

before using again. Garments that cannot be cleaned must be

destroyed (burnt).

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container. Store in a place accessible by authorized persons only. Keep away from direct sunlight. Protect from frost.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

Suitable materials

HDPE (high density polyethylene)

7.3 Specific end use(s)

Refer to the label and/or leaflet.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Propamocarb hydrochloride	25606-41-1	1.1 mg/m3 (TWA)		OES BCS*
Fluopicolide	239110-15-7	2.2 mg/m3 (TWA)		OES BCS*

^{*}OES BCS: Internal Bayer AG, Crop Science Division "Occupational Exposure Standard"

8.2 Exposure controls

Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

Respiratory protection

Respiratory protection is not required under anticipated

circumstances of exposure.

Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's

instructions regarding wearing and maintenance.

Hand protection

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



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the product is used, such as the danger of cuts, abrasion, and the

contact time.

Wash gloves when contaminated. Dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and always before eating,

drinking, smoking or using the toilet.

Material Nitrile rubber Rate of permeability > 480 min Glove thickness > 0.4 mm Protective index Class 6

Directive Protective gloves complying with EN

374.

Eye protection Wear goggles (conforming to EN166, Field of Use = 5 or equivalent).

Skin and body protection Wear standard coveralls and Category 3 Type 4 suit.

If there is a risk of significant exposure, consider a higher protective

type suit.

Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and

should be professionally laundered frequently.

If chemical protection suit is splashed, sprayed or significantly contaminated, decontaminate as far as possible, then carefully

remove and dispose of as advised by manufacturer.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form suspension Colour beige

Odour ester-like

Odour Threshold No data available Melting point/range No data available **Boiling Point** No data available **Flammability** No data available **Upper explosion limit** No data available Lower explosion limit No data available

Flash point Not relevant; aqueous solution

Auto-ignition temperature 420 °C

Self-accelarating

decomposition temperature

(SADT)

No data available

5.0 - 8.5 (100 %) (23 °C) pН

Viscosity, dynamic 260 - 700 mPa.s (20 °C)

Velocity gradient 20 /s



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Viscosity, kinematic No data available

Water solubility dispersible

Partition coefficient: n-

octanol/water

Propamocarb hydrochloride: log Pow: -1.2

Fluopicolide: log Pow: 2.9(pH 7)

Surface tension 31 mN/m (20 °C)

Vapour pressure No data available

Density ca. 1.13 g/cm³ (20 °C)

Relative density 1.130 (20 °C)
Relative vapour density No data available

Assessment nano particles This substance/ mixture does not contain nanoforms

Particle size No data available

9.2 Other information

Explosivity Not explosive

92/69/EEC, A.14 / OECD 113

Oxidizing properties No oxidizing properties

Evaporation rate No data available

Other physico-chemical

properties

Further safety related physical-chemical data are not known.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity Stable under normal conditions.

10.2 Chemical stability Stable under recommended storage conditions.

10.3 Possibility ofNo hazardous reactions when stored and handled according to

hazardous reactions prescribed instructions.

10.4 Conditions to avoid Extremes of temperature and direct sunlight.

10.5 Incompatible materials Store only in the original container.

10.6 Hazardous

decomposition products

No decomposition products expected under normal conditions of use.



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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in regulation (EC) No 1272/2008

Acute oral toxicity LD50 (Rat) > 2,500 mg/kg

Test conducted with a similar formulation.

Acute inhalation toxicity LC50 (Rat) > 3.195 mg/l

Exposure time: 4 h

Highest attainable concentration.

Determined in the form of a respirable aerosol.

No deaths

Test conducted with a similar formulation.

Acute dermal toxicity LD50 (Rat) > 4,000 mg/kg

Test conducted with a similar formulation.

Skin corrosion/irritation No skin irritation (Rabbit)

Test conducted with a similar formulation.

Serious eye damage/eye

irritation

No eye irritation (Rabbit)

Test conducted with a similar formulation.

Respiratory or skin Skin: Sensitising (Mouse)

sensitisation OECD Test Guideline 429, local lymph node assay (LLNA)

Test conducted with a similar formulation.

Assessment STOT Specific target organ toxicity - single exposure

Propamocarb hydrochloride: Based on available data, the classification criteria are not met.

Fluopicolide: Based on available data, the classification criteria are not met.

Assessment STOT Specific target organ toxicity - repeated exposure

Propamocarb hydrochloride did not cause specific target organ toxicity in experimental animal studies. Fluopicolide did not cause specific target organ toxicity in experimental animal studies.

Assessment mutagenicity

Propamocarb hydrochloride was not mutagenic or genotoxic in a battery of in vitro and in vivo tests. Fluopicolide was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.

Assessment carcinogenicity

Propamocarb hydrochloride was not carcinogenic in lifetime feeding studies in rats and mice. Fluopicolide caused at high dose levels an increased incidence of tumours in mice in the following organ(s): Liver. The mechanism that triggers tumours in rodents and the type of tumours observed are not relevant to humans.

Assessment toxicity to reproduction

Propamocarb hydrochloride did not cause reproductive toxicity in a two-generation study in rats. Fluopicolide Developmental effects in rats and rabbits only occurred at high doses which caused maternal toxicity.

Assessment developmental toxicity

Propamocarb hydrochloride caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Propamocarb hydrochloride are related to maternal toxicity. Fluopicolide did not cause developmental toxicity in rats and rabbits.



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Aspiration hazard

Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties

Assessment The substance/mixture does not contain components considered to have

endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission

Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish LC50 (Oncorhynchus mykiss (rainbow trout)) 6.6 mg/l

Exposure time: 96 h

Test conducted with a similar formulation.

Chronic toxicity to fish Pimephales promelas (fathead minnow)

Early-life Stage NOEC: 0.155 mg/l Exposure time: 33 d

The value mentioned relates to the active ingredient fluopicolide.

Toxicity to aquatic

invertebrates

EC50 (Daphnia magna (Water flea)) > 100 mg/l

Exposure time: 48 h

Test conducted with a similar formulation.

Chronic toxicity to aquatic

invertebrates

NOEC (Daphnia magna (Water flea)): 0.19 mg/l

Exposure time: 21 d

The value mentioned relates to the active ingredient fluopicolide.

EC10 (Mysids (Americamysis bahia)): 0.18 mg/l

Life Cycle; The value mentioned relates to the active ingredient

fluopicolide.

Growth rate; Exposure time: 72 h

Test conducted with a similar formulation.

12.2 Persistence and degradability

Biodegradability Propamocarb hydrochloride:

rapidly biodegradable

Fluopicolide:

Not rapidly biodegradable

Koc Propamocarb hydrochloride: Koc: 719

Fluopicolide: Koc: 321

12.3 Bioaccumulative potential

Bioaccumulation Propamocarb hydrochloride:

Does not bioaccumulate.



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Fluopicolide: Bioconcentration factor (BCF) 121

Does not bioaccumulate.

12.4 Mobility in soil

Mobility in soil Propamocarb hydrochloride: Slightly mobile in soils

Fluopicolide: Moderately mobile in soils

12.5 Results of PBT and vPvB assessment

PBT and vPvB assessment Propamocarb hydrochloride: This substance is not considered to be

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

bioaccumulative and toxic (PBT). This substance is not considered to be

very persistent and very bioaccumulative (vPvB).

12.6 Endocrine disrupting properties

Assessment The substance/mixture does not contain components considered to have

endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission

Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Additional ecological

information

No other effects to be mentioned.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product It is best to use all of the product in accordance with label directions. If it

is necessary to dispose of unused product, please follow container label

instructions and applicable local guidelines.

Contaminated packaging Small containers (< 10 l or < 10 kg) should be rinsed thoroughly using

an integrated pressure rinsing device, or, by manually rinsing three

times.

Add washings to sprayer at time of filling.

Dispose of empty and cleaned packaging safely.

Follow advice on product label and/or leaflet.

Waste key for the unused

product

02 01 08* agrochemical waste containing hazardous substances

SECTION 14: TRANSPORT INFORMATION

ADR/RID/ADN

14.1 UN number 3082

14.2 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

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(FLUOPICOLIDE SOLUTION)

14.3 Transport hazard class(es)

14.4 Packaging Group III



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14.5 Environm. Hazardous Mark YES Hazard no. 90 Tunnel Code -

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

IMDG

14.1 UN number **3082**

14.2 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(FLUOPICOLIDE SOLUTION)

14.3 Transport hazard class(es) 9
14.4 Packaging Group III
14.5 Marine pollutant YES

IATA

14.1 UN number **3082**

14.2 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(FLUOPICOLIDE SOLUTION)

14.3 Transport hazard class(es)
14.4 Packaging Group
14.5 Environm. Hazardous Mark
YES

14.6 Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

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

No transport in bulk according to the IBC Code.

SECTION 15: REGULATORY INFORMATION

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

Republic of Ireland Regulations

This material may be subject to some or all of the following regulations (and any subsequent ammendments). Users must ensure that any uses and restrictions as indicated on the label and/or leaflet are followed.

Supply and Use

European Communities (Prohibition of Certain Active Substances in Plant Protection Products) Regulations 1981 (SI No 320/1981)

European Communities (Authorization, Placing on the Market, Use and Control of Plant Protection Products) Regulations 2003 (SI No 83/2003)

European Communities (Classification, Packaging and Labelling of Plant Protection Products and Biocide Products) Regulations 2001 (SI No 624/2001

2010 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations, 2001 (SI No 619/2001)

Waste Treatment

Landfill Directive



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Regulation on Substances That Deplete the Ozone Layer 1994 (EEC/3093/94)

Further information

WHO-classification: III (Slightly hazardous)

15.2 Chemical safety assessment

A chemical safety assessment is not required.

SECTION 16: OTHER INFORMATION

Text of the hazard statements mentioned in Section 3

H317 May cause an allergic skin reaction.H361d Suspected of damaging the unborn child.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Abbreviations and acronyms

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

ATE Acute toxicity estimate

CAS-Nr. Chemical Abstracts Service number

Conc. Concentration

EC-No. European community number ECx Effective concentration to x %

EINECS European inventory of existing commercial substances

ELINCS European list of notified chemical substances

ELV Exposure Limit Value
EN European Standard
EU European Union

IATA International Air Transport Association

IBC International Code for the Construction and Equipment of Ships Carrying Dangerous

Chemicals in Bulk (IBC Code)

ICx Inhibition concentration to x %

IMDG International Maritime Dangerous Goods

LCx Lethal concentration to x %

LDx Lethal dose to x %

LOEC/LOEL Lowest observed effect concentration/level

MARPOL: International Convention for the prevention of marine pollution from ships

N.O.S. Not otherwise specified

NOEC/NOEL No observed effect concentration/level

OECD Organization for Economic Co-operation and Development

RID Regulations concerning the International Carriage of Dangerous Goods by Rail

SI Statutory Instrument
TWA Time weighted average

UN United Nations

WHO World health organisation

The above information is intended to give general health and safety guidance on the storage and



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transport of the product.

It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate.

No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

Reason for Revision: Safety Data Sheet according to Regulation (EU) No. 2020/878.

Checked and revised for editorial purposes due to adjustments according to the current Annex II of the REACH regulation.

The following sections have been revised: Section 2: Hazards Identification. Section 3: Composition / Information on Ingredients. Section 11: Toxicological information on STOT (Specific Target Organ

Toxicity) and CMR (Carcinogenic, Mutagenic and toxic to Reproduction). Section 13. Disposal considerations.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.