SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006/CE and its amendment 830/2015/EC



# **POTATO BLIGHT CONTROL** 80870612

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Creation Date: 21/07/2017 Revision Date: 14/01/2021 Version: 02 / IRELAND

# SECTION I: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE **COMPANY/UNDERTAKING**

1.1 Product identifier

**Product Name** POTATO BLIGHT CONTROL

**Product code** 86600263 **Market Authorization** 

Number

PCS 05339

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

Use Fungicide, phytopharmaceutical product

REACH PC27 (plant protection product)

SC: suspension concentrate

1.3 Details of the supplier of the safety data sheet

Supplier SBM Life Science Ltd

> Hyperion House Fordham Road Newmarket Suffolk CB8 7XN

**GREAT BRITAIN** 

Phone number +44 (0)1223 677 611

**Responsible Department** Email: <a href="mailto:sds@sbm-company.com">sds@sbm-company.com</a>

1.4 Emergency telephone number

**National Poisons Information** Email: info@beaumont.ie

Service (NPIS):

Website: www.poisons.ie

**UK Emergency telephone** 

+353 (1) 809 2166 (8.00am to 10.00 pm 7 days a week) Number

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#### **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.

Physical Hazards:

Not classified

Health and Safety Hazards:

Skin sensitisation, category 1 (Skin Sens. 1)

H317 May cause an allergic skin reaction.

Environmental Hazards:

Hazardous to the aquatic environment – Acute short term -, category 1 (Aquatic Acute 1)

H400 Very toxic to aquatic life.

Hazardous to the aquatic environment – Chronic long term -, category 1 (Aquatic Chronic 1)

H410 Very toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

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

Mixture with classification

Hazardous components which must be listed on the label: Propamocarb hydrochloride

#### Pictograms of hazards:





Signal word: Warning

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#### **Hazard statements:**

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

# **Precautionary statements:**

P101 If medical advice is needed, have product container of
---

P102 Keep out of reach of children.

P264 Wash the hands thoroughly after handling.
P280 Wear protective gloves/protective clothing.

P261 Avoid breathing vapours/spray.

P302 + P352 IF ON SKIN: Wash with plenty of water.

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

P391 Collect spillage.

P501 Dispose of contents/container in accordance with local/national regulation.

## Additional mentions: None

#### Additional labelling:

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

use.

**SP 1** Do not contaminate water with the product or its container.

#### 2.3 Other hazards

No other data available.

#### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

# 3.1 Substances

Not applicable

#### 3.2 Mixtures

#### **Chemical nature**

SC: suspension concentrate

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#### **Hazardous components**

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

Ingredients	CAS Number EC Number Index Number	REACH Number / recording	Classification Regulation 1272/2008/CE	Environmental Hazard	Conc % (w/w)
Propamocarb hydrochloride	25606-41-1 247-125-9 /	1	Skin Sens. 1, H317		50,00 < x < 60,00
Fluopicolide	239110-15-7 / /	1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	/	4,50 < x < 6,50

#### **Further information**

For full text of H-statements: see SECTION 16.

## **SECTION 4: FIRST AID MEASURES**

# 4.1 Description of first aid measures

General advice Equip yourself with the container, label or safety data sheet when you call

an emergency number, poison center or doctor or if you consult for

treatment.

**Inhalation** Remove to fresh air and keep warm and at rest.

If unconscious, place in recovery position and seek medical advice. If

breathing is irregular or stopped, administer artificial respiration.

Consult a physician.

**Eye contact** Rinse thoroughly with plenty of water, including under the eyelids for at

least 15 minutes.

Remove contact lenses and rinse thoroughly. Consult a physician if

irritation persists.

**Skin contact** Remove contaminated clothing.

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Wash off immediately with soap and plenty of water or with

polyethyleneglycol 400, if available. Then rinse with water.

If irritation or skin eruption occurs, call a physician.

Soiled clothing must be cleaned thoroughly before reusing.

**Ingestion** Do not under any circumstances induce vomiting.

Rinse the mouth with water, spit out then consult a physician.

Whatever the amount of product ingested, do not eat, do not drink.

Nothing to administer to an unconscious person.

Call a doctor and obtain a medical examination 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.

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

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

inhibitor.

**Treatments** No specific antidote. Treat symptomatically.

Gastric lavage is not normally required. However, if a significant amount (more than a mouthful) has been ingested, administer activated charcoal

and sodium sulphate.

Contraindication: atropine

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#### **SECTION 5: FIREFIGHTING MEASURES**

# 5.1 Extinguishing media

Suitable All extinguishing agents can be used.

Alcohol-resistant foam

Water spray

Carbon dioxide (CO<sub>2</sub>)

Dry chemical, sand

Unsuitable High volume water jet

5.2 Special hazards arising from the substance or mixture Burning produces heavy smoke and gases.

The breakdown products can be dangerous for the health. Do not breathe fumes.

The smoke may contain irritating compounds. Combustion products may include and are not limited to: Hydrogen chloride (HCI), Hydrogen cyanide, Hydrogen fluoride, Carbon monoxide (CO), Nitrogen oxides

 $(NO_x)$ .

**Unusual Fire and Explosion Hazards**  No other available data.

## 5.3 Advice for firefighters

**Special protective** equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire-fighting clothing (includes fire-fighting helmet, coat,

trousers, boots and gloves).

**Further information** Remain upstream of the flames.

Cool closed containers exposed to fire with water spray.

Contain the spread of the fire-fighting media.

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Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

For non-emergency

personnel

Provide adequate ventilation.

Avoid contact with the skin, eyes and clothes.

Evacuate the danger zone and observe the emergency procedures.

For emergency responders

Provide adequate ventilation.

Wear personal protection equipment.

Isolate the danger zone and refuse entry to non-essential and

unprotected people.

6.2 Environmental

precautions

Do not flush into surface water or sanitary sewer system. Avoid subsoil

penetration.

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

Methods for containment

Contain spillage and collect the product if it is possible.

Methods for cleaning up Soak up with inert absorbent material: silica gel, sand, clay, sawdust...

Then collect it in a suitable container for elimination.

Wash the affected area with water, then rinse.

Additional advice Do not leave washing water contaminate water sources and the

environment.

6.4 Reference to other

sections

Refer to sections 8 and 13 for personal protection.

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#### **SECTION 7: HANDLING AND STORAGE**

#### 7.1 Precautions for safe handling

**Advice on safe handling** Avoid contact with skin, eyes, and clothing.

Avoid breathing vapor or mist.

Use in ventilated areas.

Advice on protection against fire and explosion

No special protection recommended.

**Hygiene measures** After handling, wash the hands before eating, drinking or smoking.

Soiled clothing must remain in the working area and must be cleaned

thoroughly before reusing.

# 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Keep tightly closed in a dry and cool place.

Keep in a well-ventilated place. Keep away from direct sunlight and

protect from frost.

Store only in the original pack.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

Keep out of reach of children.

**Suitable materials** Store in original container.

HDPE (high density polyethylene)

7.3 Specific end use(s) Fungicide.

Refer to the label and the conditions of use.

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#### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### 8.1 Control parameters

No specific control parameters for the mixture.

For the components mentioned in Section 3.2:

Types of exposures (occupational exposure, biological exposure)	Components	CAS Number	Exposure limit values	Sources of the exposures	Update	Base
VLEP 8 hours	Propamocarb hydrochloride	25606-41-1	1,1 mg/m <sup>3</sup>	1	1	Supplier
VLEP 8 hours	Fluopicolide	239110-15-7	2,2 mg/m <sup>3</sup>	1	/	Supplier

#### Further information:

No other available data.

#### 8.2 Exposure controls

# Appropriate engineering controls

Appropriate engineering controls

Emergency eye wash fountains and emergency showers should be available in the immediate vicinity of the work stations.

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

All the measures for collective protection should be set and use before to consider the use of 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 None protection required when manipulated as recommended.

Avoid breathing vapours/spray.

**Hand protection** Avoid contact with the skin.

> It is recommended to wear gloves in conformity with the norm EN 374. Dispose of gloves when contaminated inside, when perforated or when

contamination on the outside cannot be remove.

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Wash hands after handling.

**Eye protection** Avoid contact with eyes.

In case of prolonged or repeated use, it is recommended to use safety

glasses in conformity with the standard EN 166.

Skin and body protection

Avoid contact with skin. Wear standard coveralls.

Wash soiled clothes before reusing them.

Thermal protection Not necessary.

**Environmental exposure controls** 

**Environmental** exposure controls

Avoid environmental contamination. Keep away from drains, surface

and ground water.

#### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

**Appearance** Liquid, suspension concentrate

**Colour** Beige

Odour Ester like

Odour threshold No data test available

pH Not available

Melting point / freezing

point

Not applicable

Initial boiling point and

boiling range

Not available

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Flash Point Not relevant

**Evaporation rate** Not available

Flammability (solid,

gas)

Not applicable

Upper / lower flammability or explosive limits

Not available

Vapour pressure Not available

Vapour density Not available

Relative density 1,13 - 20°C -

Solubility in water Dispersible

Partition coefficient: n-

octanol / water

Log Pow = -1,2 - Propamocarb hydrochloride -

Log Pow = 2,9 - Fluopicolide, pH 7 -

Auto-ignition temperature

420°C

Decomposition temperature

Not available

**Dynamic viscosity** 221 mPa.s – 20°C, velocity gradient 20/s -

**Explosive properties** Not explosive

Oxidizing properties No oxidizing properties

9.1 Other information

Surface tension 31 mN/m – 20 °C, 1% solution in distilled water -

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#### **SECTION 10: STABILITY AND REACTIVITY**

#### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

**Thermal decomposition** Stable under foreseeable conditions of uses and storage.

**10.2 Chemical stability** Stable under foreseeable pack and conditions of storage.

10.3 Possibility of hazardous reactions

No hazardous reactions when stored and handled according to

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 recommended conditions

of use and storage.

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

#### 11.1 Information on toxicological effects

Acute oral toxicity LD50 > 2 500 mg/kg - Rat -

Acute inhalation toxicity LC50 > 3,195 mg/l - Rat, 4H -

Highest attainable concentration, determined in the form of a respirable

aerosol.

Acute dermal toxicity LD50 > 4 000 mg/kg - Rat -

Skin irritation / corrosion

No skin irritation - Rabbit -

Serious eye damage /

irritation

No eye irritation - Rabbit -

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Respiratory sensitisation

Specific data not available.

Taking into account the available data, classification criteria have not

been met.

**Skin sensitisation** Sensitising – Mouse, OECD Test guideline 429, LLNA -

#### Carcinogenicity:

Specific data not available.

Taking into account the available data, classification criteria have not been met.

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.

# Germ cell mutagenicity:

Specific data not available.

Taking into account the available data, classification criteria have not been met.

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.

## Reproductive toxicity and fertility:

Specific data not available.

Taking into account the available data, classification criteria have not been met.

Propamocarb hydrochloride: did not cause reproductive toxicity in a two-generation study in rats.

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 reproductive toxicity in a two-generation study in rats.

Fluopicolide: did not cause developmental toxicity in rats and rabbits.

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#### Specific target organ toxicity:

#### Single Exposure:

Specific data not available.

Taking into account the available data, classification criteria have not been met.

### Repeated Exposure:

Specific data not available.

Taking into account the available data, classification criteria have not been met.

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.

## **Aspiration hazard:**

Specific data not available.

Taking into account the available data, classification criteria have not been met.

#### Other information

No other data available.

## **SECTION 12: ECOLOGICAL INFORMATION**

#### 12.1 Toxicity

**Toxicity to fish** LC50 = 6.6 mg/l

Oncorhynchus mykiss

96 hours

Toxicity to aquatic invertebrates

LC50 > 100 mg/l Daphnia magna

48 hours

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Toxicity to aquatic

plants

EC50 = 0.63 mg/l

Navicula pelliculosa

72 hours

EC50 > 100 mg/l

Raphidocelis subcapitata

72 hours

**Toxicity for bees** No data available

Toxicity for earth-

worms

No data available

Toxicity for birds No data available

## 12.2 Persistence and degradability

**Biodegradability** No data for the mixture.

Fluopicolide: not rapidly biodegradable

Propamocarb hydrochloride : rapidly biodegradable

**Koc** Fluopicolide : Koc = 321

Propamocarb hydrochloride: Koc = 719

#### 12.3 Bioaccumulative potential

**Bioaccumulation** No data for the mixture.

Fluopicolide / Propamocarb hydrochloride : does not bioaccumulate.

Fluopicolide: BCF = 121

## 12.4 Mobility in soil

**Mobility in soil** No available data for the mixture.

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Fluopicolide: moderately mobile in soils.

Propamocarb hydrochloride: slightly mobile in soils.

#### 12.5 Results of PBT and vPvB assessment

PBT and vPvB assessment

Fluopicolide / Propamocarb hydrochloride : These substances are not

considered to be PBT or vPvB.

## 12.6 Other adverse effects

# Additional ecological information

See the label of the product for additional instructions concerning the precautions measures for the environment that have to be taken during the manipulation of the product

the manipulation of the product.

#### **SECTION 13: DISPOSAL CONSIDERATIONS**

#### 13.1 Waste treatment methods

**Generalities** Avoid subsoil penetration.

Handle the uncleaned container like the product itself.

Do not mix the product or container with other waste.

**Product** The unused product must be incinerated in an installation approved by

the competent authorities.

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.

Do not throw in domestic dustbins, but eliminate packaging with or without the product in a household waste recycling center or by an

approved organization.

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#### **SECTION 14: TRANSPORT INFORMATION**

#### ADR/RID/ADN

14.1 UN number
UN3082
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FLUOPICOLIDE SOLUTION)

14.3 Transport hazard class(es)
14.4 Packing group
14.5 Environm.
Hazardous Mark

UN3082
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FLUOPICOLIDE SOLUTION)

9
III

YES

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	UN3082	/
14.2 Proper shipping	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	/
name	(FLUOPICOLIDE SOLUTION)	
14.3 Transport hazard class(es)	9	/
14.4 Packing group		/
14.5 Marin pollutant	YES	/
·		

### **IATA**

14.1 UN number	UN3082	/
14.2 Proper shipping	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	/
name	(FLUOPICOLIDE SOLUTION)	
14.3 Transport hazard	9	/
class(es)		
14.4 Packing group	III	/
14.5 Environm.	1	/
Hazardous Mark		

Product eligible for exemption under the special provisions A197 (IATA), 375 (ADR) and section 2.10.2.7 (IMDG).

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#### 14.6 Special precautions for user

Ensure that personnel knows the measures to be taken in the event of accidental release.

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

No transport in bulk according to IBC Code.

#### **SECTION 15: REGULATORY INFORMATION**

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

#### **Further information**

# Conformity with REACH annexes

At the present time, the substances mentioned in section 3.2 of this SDS aren't quoted in :

- Annex XIV of REACH Regulation EC 1907/2006 about list of substances subject to authorization
- Annex XVII of REACH Regulation EC 1907/2006 about restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

# Specific provisions:

Labelling in conformity with the Plant protection products Regulation EC 1107/2009.

#### Further information:

WHO classification: III (slightly hazardous)

#### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required.

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#### **SECTION 16: OTHER INFORMATION**

# Text of the hazard statements (H sentences) mentioned in Sections 2 and 3:

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

#### Text of hazards classes and categories mentioned in Sections 2 and 3:

Skin Sens. 1 Skin sensitisation, category 1

Aquatic Acute 1 Hazardous to the aquatic environment – Acute short term -, category 1 Hazardous to the aquatic environment – Chronic long term -, category 1

#### Abbreviations and acronyms

ADI Acceptable Daily Intake

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

ARfD Acute Reference Dose
A.S Active Substance
ATE Acute toxicity estimate
BCF Bioconcentration Factor

CAS-Nr. Chemical Abstracts Service number

CLP Classification, Labelling, Packaging regulation

Conc. Concentration

DMEL Derived Minimal Effect Levels
DNEL Derived No Effect Level
EC-No. European community number
ECx Effective concentration to x %

EINECS European inventory of existing commercial substances

ELINCS European list of notified chemical substances

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

Koc Absorption Coefficient LCx Lethal concentration to x %

LDx Lethal dose to x %

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LOEC/LOEL Lowest observed effect concentration/level

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

NOEC/NOEL No observed effect concentration/level

N.O.S. Not otherwise specified

OECD Organization for Economic Co-operation and Development

OSHA Occupational Safety and Health Administration
PBT Persistent. Bioaccumulative and Toxic substances

PNEC Predicted No Effect Concentration
Pow Partition coefficient: n-octanol / water

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals

RID Regulations concerning the International Carriage of Dangerous Goods by Rail

STOT Specific Target Organ Toxicity
SVHC Substance of Very High Concern

TWA Time weighted average

vPvB Very Persistent and Very Bioaccumulative

UN United Nations

WHO World health organisation

#### Methods used for classification:

Classification of the mixture "POTATO BLIGHT CONTROL" was calculated according to the methods described in Regulation EC  $N^{\circ}$  1272/2008, with regard to the physical, environment and health hazards.

#### Further information:

None

## Purpose of the reviewing:

This is the version 02 of the document. It corresponds to an amendment.

It is in conformity with the modified Annex II of REACH Regulation EC 1907/2006 and with those of CLP Regulation EC 1272/2008.

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

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#### Additional information:

The information contained within this Safety Data Sheet is in accordance with the guidelines established by Regulation (EU) 1907/2006 and Regulation (EU) 2015/830 amending Regulation (EU) No 1907/2006 and any subsequent amendments. This data sheet complements the user's instructions, but does not replace them. The information it contains is based on the knowledge and the legislative and regulatory texts available about the product concerned at the time it was compiled. Users are further reminded of the possible risks of using a product for purposes other than those for which it was intended. The information given in this data sheet have to be consider as a description of the requirements for the product and not consider as a guarantee or a quality specification concerning its properties. The required information complies with current EEC legislation. Addressees are requested to observe any additional national requirements.