

Leimay®

syngenta®

Product registration number: MAPP 19280

A suspension concentrate containing 200 g/l (17.7% w/w) amisulbrom.

For the control of late blight (*Phytophthora infestans*) in potatoes.

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

In case of toxic or transport emergency ring 0044 (0) 1484 538444 any time



LEIMAY®

A suspension concentrate containing 200 g/l (17.7% w/w) amisulbrom.

Warning

Very toxic to aquatic life with long lasting effects.

Suspected of causing cancer.

Keep out of reach of children.

Obtain special instructions before use.

Avoid release to the environment.

Use personal protective equipment as required.

IF exposed or concerned: Get medical advice/attention.

Collect spillage.

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

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



MAPP 19280

PROTECT FROM FROST
SHAKE WELL BEFORE USE

3 litres



This product label is compliant with the CPA Voluntary Initiative (VI) guidance. (UK only)

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Leimay® is a registered trademark of Nissan Chemical Industries, Ltd., Japan

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

For use in potatoes.

Crop	Maximum Individual Dose	Maximum Total dose	Maximum Number of Treatments	Latest Time of Application
Potatoes	0.5 litres product per hectare	3.0	Six per crop	7 days before harvest

Other specific restrictions:

Applications to be made only one year in every three years to protect groundwater.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

SAFETY PRECAUTIONS**(a) Operator protection**

Avoid all contact with eyes.

When using do not eat, drink or smoke.

WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking and after work.

(b) Environmental protection

To protect aquatic organisms, respect an unsprayed buffer zone distance to surface water bodies in line with LERAP requirements.



DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m of the top of the bank of a static or flowing water body, unless a Local environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 m of the top of a ditch which is dry at the time of application. DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall

within 1m of the top of the bank of a static or flowing water body. Aim spray away from water.

This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with CRD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.

Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

(c) Storage and disposal

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING-STUFFS.

KEEP OUT OF REACH OF CHILDREN.

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

DO NOT RE-USE CONTAINER FOR ANY PURPOSE.

Authorisation Holder	Marketing Company
Nissan Chemical Europe S.A.S., Parc d'Affaires de Crecy, 10A rue de la Voie Lactée, 69370 Saint Didier au Mont d'Or, France. Tel : +33 (0) 4 37 64 40 20.	Syngenta UK Limited CPC 4, Capital Park Fulbourn, Cambridge CB21 5XE Tel: Cambridge (01223) 883400

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be carefully read in order to obtain safe and successful use of this product.

INTRODUCTION

Leimay is a fungicide with protectant and contact action for the control of potato late blight (*Phytophthora infestans*).

CROPS

All varieties of early, second early, maincrop and seed crop potatoes may be treated.

DISEASES CONTROLLED

Leimay controls both foliage and tuber blight of potatoes (*Phytophthora infestans*) when used as part of a full programme of correctly timed sprays.

Apply Leimay as a protectant treatment early in the season before blight enters the crop. Failure to treat blight at this stage can result in severe yield losses. Leimay can be used at any stage of a blight spray programme.

Leimay should be applied only as a protectant treatment. Using Leimay when blight has become readily visible (1% leaf area destroyed) is not recommended.

RESISTANCE RISK MANAGEMENT

Amisulbrom is a member of the Qil group of fungicides. To reduce the risk of resistance developing, Leimay, or other fungicides of the Qil group, should make up no more than 50% of sprays in the intended blight control spray programme. Alternation with fungicides having other modes of action is recommended in spray programs. No more than three Qil treatments should be made consecutively. If further treatments are required, allow a minimum of 3 applications of a fungicide from another chemical group to be applied before resuming with Leimay (or another Qil fungicide). Further information on resistance management is available from FRAG and AHDB Potato websites. Consult your agronomist for further advice.

RATE, WATER VOLUME AND APPLICATION

Number of applications and Dose Rate

Apply a maximum of 6 applications per crop, or a maximum of 50% of sprays in intended programmes of less than 12 fungicide applications (see Resistance risk management section). Use spray interval of 7 to 10 days. The last application may be made no later than 7 days before harvest.

Use up to 0.5 litres of product per hectare. The maximum total dose is 3.0 litres of product/ha.

Water Volume

Apply Leimay in 200-500 litres of water per hectare.

Application Timing

The first spray must be applied as soon as there is a risk of blight infection, that is when a Blight Infection Period (Smith Period) has occurred or an official warning has been issued. In the absence of any warning, spraying of Leimay should begin just before the crop foliage meets along the row.

Application at 7-day intervals should be used during periods of high disease pressure and rapid development of the haulm. When disease pressure is low, applications may be extended to a maximum of 10-day intervals. Applications of Leimay can be made at any stage of a blight spray programme, with the last application no later than 7 days prior to harvest. This product can be used in a blight programme in sequence with a range of other fungicides.

Spray Quality

Apply as a **MEDIUM** quality spray (as defined by BCPC). A spray pressure of 2-3 bar is recommended.

Rainfastness

Leimay should be applied when the foliage is dry, where possible. Leimay is rainfast within 3 hours. Rainfall or irrigation within 3 hours of application may lead to some loss of fungicidal activity.

MIXING AND SPRAYING PROCEDURE

Half-fill the spray tank with water. Add the required quantity of Leimay and agitate continuously. Complete the process by adding the remaining quantity of water to the required level. Do not allow the product to stand in the sprayer overnight. Ensure application equipment and especially nozzles are thoroughly cleaned before starting spraying. Spraying equipment should be properly calibrated before use to ensure accurate application. Wash equipment thoroughly after use and before storage.

SPRAY TANK CLEANING INSTRUCTIONS

Following use of the product, immediately wash out the spray tank with water and liquid detergent. Then wash twice more with water and drain the tank.

TANK MIXING COMPATIBILITY

Leimay has been tested for physical and biological compatibility with selected pesticide products used on potatoes. For up to date details please contact the manufacturer/distributor.

SUCCEEDING CROPS

There are no proposed limitations placed on succeeding crops. In the event of the crop being replanted or another crop being planted in the same soil as the treated crop, it is recommended to plough the soil to a normal depth.

CONDITIONS OF SUPPLY

All conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of the goods are excluded and no liability (save as to the liability to replace defective goods herein provided) will be accepted by us for any damage, loss or injury whatsoever arising out of, or in connection with, the goods or drums or other containers thereof, or from the storage, handling, applications or use thereof. In the case of alleged defects in the manufacture of the goods proved by the customer to our satisfaction we will, at our expense, replace or otherwise remedy the defective goods. In particular liability in tort arising in or out of the manufacture, distribution, sale or use of the product is hereby expressly excluded. All our goods are sold and supplied on the terms contained in our standard Conditions of Sale (of which the above is part) which shall prevail over any other terms and which may be inspected on request.

FIRST AID

Ingestion: If swallowed, seek medical advice immediately.

Inhalation: In case of accident by inhalation, remove casualty for fresh air and keep at rest.

Skin contact: After contact with skin, wash immediately with plenty of soap and water.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.

Note to doctor

There is no known antidote.

Treat symptomatically and give supportive therapy.

COMPANY ADVISORY INFORMATION

As part of our Product Stewardship policy, Nissan recommends the following precautions should also be observed:

Wear appropriate clothing – cotton overall and rubber gloves, when handling the concentrate.

Leimay is a registered trademark of Nissan Chemical Industries, Ltd., Japan

Section 6 of the Health and Safety at Work Act
Additional Product Safety Information (UK Only)

(This section does not form part of the product label under the Plant Protection Products Regulations 1995.)

The product label provides information on a specific pesticidal use of the product; do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required and that the particular use has 'Extension of Use' approval or is otherwise permitted under the Plant Protection Products Regulations.

The information on this label is based on the best available information including data from test results.

SAFETY DATA SHEET - V2

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

1.1 Product identifier

Trade name: LEIMAY

Design code: A17578B

Product Registration Number: MAPP 19280

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

Use of the Substance/Mixture: Fungicide

1.3 Details of the supplier of the safety data sheet Company

Company: Syngenta UK Limited
CPC4, Capital Park, Fulbourn,
Cambridge CB21 5XE, United Kingdom

Telephone: +44 (0) 1223 883400

Telefax: +44 (0) 1223 882195

E-mail address of person responsible for the SDS: customer.services@syngenta.com

1.4 Emergency telephone number

Emergency telephone number +44 (0) 1484 538444

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)


Carcinogenicity, Category 2 - H351: Suspected of causing cancer.

Short-term (acute) aquatic hazard, Category 1 - H400: Very toxic to aquatic life.

Long-term (chronic) aquatic hazard, Category 1 - H410: Very 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	H351 H410	Suspected of causing cancer. Very 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	P201 P273 P281 P308+P313 P391 P501	Obtain special instructions before use. Avoid release to the environment. Use personal protective equipment as required. IF exposed or concerned: Get medical advice/attention. Collect spillage. Dispose of contents/container in accordance with local regulation.

2.3 Other hazards

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

Hazardous components

Chemical Name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
amisulbrom (ISO)	348635-87-0 616-224-00-2	Eye Irrit. 2; H319 Eye Irrit. 2; H319 Carc. 2; H351 Carc. 2; H351 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10	>= 10 - < 20

For explanation of abbreviations see section 16.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: Have the product container, label or Material Safety Data Sheet with you when calling the Syngenta emergency number, a poison control centre or physician, or going for treatment.

If inhaled: Move the victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or poison control centre immediately.

In case of skin contact: Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

In case of eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.

If swallowed: If swallowed, seek medical advice immediately and show this container or label. Do **NOT** induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: Nonspecific. No symptoms known or expected.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: There is no specific antidote available. Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Extinguishing media - small fires

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

Extinguishing media - large fires

Use alcohol-resistant foam or water spray.

Unsuitable extinguishing media:

Do not use a solid water stream as it may scatter and spread fire.

5.2 Specific hazards arising from the substance or mixture

Specific hazards during firefighting: As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health.

5.3 Advice for firefighters

Special protective equipment for firefighters: Wear full protective clothing and self-contained breathing apparatus.

Further information: Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. 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: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Clean contaminated surface thoroughly. Clean with detergents. Avoid solvents. Retain and dispose of contaminated wash water.

6.4 Reference to other sections

For disposal considerations see section 13., Refer to protective measures listed in sections 7 and 8.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling: No special protective measures against fire required. Avoid contact with skin and eyes. When using, do not eat, drink or smoke. For personal protection see section 8.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: No special storage conditions required. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s)

Specific use(s): For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures

Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. Maintain air concentrations below occupational exposure standards. Where necessary, seek additional occupational hygiene advice.

Personal protective equipment

Eye protection: No special protective equipment required.

Hand protection

Material: Nitrile rubber

Break through time: > 480 min

Glove thickness: 0.5 mm

Remarks: Wear protective gloves. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. 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 the product is used, such as the danger of cuts, abrasion, and the contact time. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Skin and body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Remove and wash contaminated clothing before re-use.

Wear as appropriate: Impervious clothing

Respiratory protection: No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Protective measures: The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	liquid
Colour:	off-white
Odour:	odourless
Odour Threshold:	No data available
pH:	8.1
Melting point/range:	No data available
Boiling point/boiling range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Upper explosion limit / Upper flammability limit:	No data available
Lower explosion limit / Lower flammability limit:	No data available
Vapour pressure:	No data available

Relative vapour density:	No data available
Density:	1.13 g/cm ³
Solubility(ies)	
Solubility in other solvents:	No data available
Partition coefficient:	
n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity	
Viscosity, dynamic:	120 - 333 mPa.s (20 °C) 50 - 2,000 mPa.s (40 °C)
Explosive properties:	Not explosive
Oxidizing properties:	The substance or mixture is not classified as oxidizing.

9.2 Other Information

No data available

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

None reasonably foreseeable.

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

Hazardous reactions: No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : No decomposition if used as directed.

10.5 Incompatible materials

Materials to avoid : None known

10.6 Hazardous decomposition products

Hazardous decomposition products: No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Information on likely routes of exposure: Ingestion, Inhalation, Skin contact, Eye contact

Acute toxicity

Product:

Acute oral toxicity:	LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity:	LC50 (Rat): > 6.43 mg/l
	Exposure time: 4 h
	Test atmosphere: dust/mist
	Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity: LD50 (Rat): > 5,000 mg/kg

Components:

amisulbrom (ISO):

Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity: LC50 (Rat): > 2.85 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity: LD50 (Rat): > 5,000 mg/kg

Skin corrosion/irritation

Product:

Species: Rabbit

Result: No skin irritation

Components:

amisulbrom (ISO):

Species: Rabbit

Assessment: No skin irritation

Serious eye damage/eye irritation

Product:

Species: Rabbit

Result: No eye irritation

Components:

amisulbrom (ISO):

Species: Rabbit

Result: Irritation to eyes, reversing within 21 days

Respiratory or skin sensitisation

Product:

Species: Guinea pig

Result: Did not cause sensitisation on laboratory animals.

Components:

amisulbrom (ISO):

Species: Guinea pig

Assessment: Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Components:

amisulbrom (ISO):

Germ cell mutagenicity- Assessment: Animal testing did not show any mutagenic effects.

Carcinogenicity

Components:

amisulbrom (ISO):

Carcinogenicity - Assessment: Limited evidence of carcinogenicity in animal studies.

Reproductive toxicity

Components:

amisulbrom (ISO):

Reproductive toxicity - Assessment: No toxicity to reproduction

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Product:

Toxicity to fish: LC50 (*Cyprinus carpio* (Carp)): 1.9 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates: EC50 (*Daphnia magna* (Water flea)): 0.044 mg/l
Exposure time: 48 h

Components:

amisulbrom (ISO):

Toxicity to fish: LC50 (*Oncorhynchus mykiss* (rainbow trout)): 0.0515 mg/l
Exposure time: 96 h
LC50 (*Cyprinus carpio* (Carp)): 0.0229 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates: EC50 (*Daphnia magna* (Water flea)): 0.0368 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants: EbC50 (*Raphidocelis subcapitata* (freshwater green alga)): 0.0225 mg/l

Exposure time: 96 h

M-Factor (Acute aquatic toxicity): 10

M-Factor (Chronic aquatic toxicity): 10

12.2 Persistence and degradability

Components:

amisulbrom (ISO):

Biodegradability : Result: Not readily biodegradable.

Stability in water : Degradation half life: 16 - 163 d

Remarks: Product is not persistent.

12.3 Bioaccumulative potential

Components:

amisulbrom (ISO):

Bioaccumulation: Remarks: Does not bioaccumulate.

12.4 Mobility in soil

Components:

amisulbrom (ISO):

Distribution among environmental compartments: Remarks: immobile

Stability in soil: Dissipation time: 3 - 13 d

Percentage dissipation: 50% (DT50)

Remarks: Product is not persistent.

12.5 Results of PBT and vPvB assessment

Product:

Assessment : 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.

Components:

amisulbrom (ISO):

Assessment : 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

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging: Empty remaining contents. Triple rinse containers. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

Waste Code: 150110, packaging containing residues of or contaminated by dangerous substances.

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. (AMISULBROM)

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AMISULBROM)

RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AMISULBROM)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AMISULBROM)

IATA : Environmentally hazardous substance, liquid, n.o.s. (AMISULBROM)

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

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.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SECTION 15. REGULATORY INFORMATION

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

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

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 (EC) No 850/2004 on persistent organic pollutants: Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals: Not applicable

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

	Quantity 1	Quantity 2
E1 ENVIRONMENTAL HAZARDS	100 t	200 t

Other regulations:

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work. Use plant protection products safely. Always read the label and product information before use.

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.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

SECTION 16. OTHER INFORMATION**Full text of H-Statements**

- H319: Causes serious eye irritation.
H351: Suspected of causing cancer.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

Full text of other abbreviations

- Aquatic Acute: Acute aquatic toxicity
Aquatic Chronic: Chronic aquatic toxicity
Carc.: Carcinogenicity
Eye Irrit.: Eye irritation

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; AICS - Australian Inventory of Chemical Substances; 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; KECl - 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: Classification procedure:

Carc. 2	H351	Calculation method
Aquatic Acute 1	H400	Based on product data or assessment
Aquatic Chronic 1	H410	Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

For use in potatoes.

Crop	Maximum Individual Dose	Maximum Total dose	Maximum Number of Treatments	Latest Time of Application
Potatoes	0.5 litres product per hectare	3.0	Six per crop	7 days before harvest

Other specific restrictions:

Applications to be made only one year in every three years to protect groundwater.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

SAFETY PRECAUTIONS**(a) Operator protection**

Avoid all contact with eyes.

When using do not eat, drink or smoke.

WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking and after work.

(b) Environmental protection

To protect aquatic organisms, respect an unsprayed buffer zone distance to surface water bodies in line with LERAP requirements.



DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m of the top of the bank of a static or flowing water body, unless a Local environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 m of the top of a ditch which is dry at the time of application. DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall

within 1m of the top of the bank of a static or flowing water body. Aim spray away from water.

This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with CRD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.

Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

(c) Storage and disposal

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING-STUFFS.

KEEP OUT OF REACH OF CHILDREN.

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

DO NOT RE-USE CONTAINER FOR ANY PURPOSE.

Authorisation Holder	Marketing Company
Nissan Chemical Europe S.A.S., Parc d'Affaires de Crecy, 10A rue de la Voie Lactée, 69370 Saint Didier au Mont d'Or, France. Tel : +33 (0) 4 37 64 40 20.	Syngenta UK Limited CPC 4, Capital Park Fulbourn, Cambridge CB21 5XE Tel: Cambridge (01223) 883400

