Monceren® IM

F

For the control of black scurf *(Rhizoctonia solani)*, reduction of silver scurf and some reduction of stem canker in potatoes.

MAPP 11426

A dustable powder formulation for dry, seed potato treatment containing 12.5% pencycuron and 0.6% w/w imazalil

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

Bayer CropScience Limited
230 Cambridge Science Park
Milton Road, Cambridge CB4 0WB
Telephone: 01223 226500

For 24 hour emergency information contact Bayer CropScience Limited
Telephone: 0800 220876

GB79548591e rA3b

SAFETY PRECAUTIONS

Operator Protection
Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:
WEAR SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT (CONFORMING TO EN 149 FFP2 OR EN 149 FFP3) AND SUITABLE PROTECTIVE GLOVES when handling the product.
WEAR SUITABLE PROTECTIVE GLOVES when handling treated potatoes.
WEAR SUITABLE RESPITATORY PROTECTIVE EQUIPMENT (CONFORMING TO EN 149 FFP2 OR EN 149 FFP3) when applying the dust to potatoes, filling the hopper and riding on the planter.
However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.
WASH HANDS AND EXPOSED SKIN before meals and after work.
LABEL TREATED SEED with the appropriate precautions using printed sacks, labels or bag tags.

Environmental Protection
DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container.

Storage and Disposal
KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.
EMPTY CONTAINER COMPLETELY and dispose of safely.
LABEL TREATED SEED with the appropriate precautions using printed sacks, labels, or bag tags.

SEED TAG LABEL

PRECAUTIONS for treated seed
WEAR SUITABLE PROTECTIVE GLOVES when handling treated potatoes.
DO NOT HANDLE seed unnecessarily.
DO NOT USE TREATED SEED as food or feed.
KEEP TREATED SEED SECURE from people, domestic stock/pets and wildlife at all times during storage and use.
BURY OR REMOVE SPILLAGES.
DO NOT RE-USE SACKS OR CONTAINERS THAT HAVE BEEN USED FOR TREATED SEED for food or feed.
WASH HANDS AND EXPOSED SKIN before meals and after work.

Safety information
MONCEREN IM
Contains 12.5% w/w pencycuron and 0.6% w/w imazalil

Toxic to aquatic life with long lasting effects

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

To avoid risks to human health and the environment, comply with the instructions for use. Contains imazalil sulphate. May produce an allergic reaction.

IMPORTANT INFORMATION
FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crops:	Seed potatoes
Maximum individual dose:	2 kg product per tonne seed potatoes
Maximum number of treatments:	1 per batch
Latest time of application:	Immediately prior to planting

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.

DIRECTIONS FOR USE

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

Monceren IM is recommended for the control of black scurf (*Rhizoctonia solani*)* and a reduction in silver scurf (*Helminthosporium solani*) and stem canker (*R. solani*) on potatoes.

**Rhizoctonia* is able to exist freely in soils, but disease transmission can also take place from sclerotia present on seed tubers. Monceren IM is primarily used for control of the tuber-borne inoculum.

RESTRICTIONS
BEFORE USING MONCEREN IM ALWAYS CHECK THE LATEST GUIDELINES FOR THE USE OF MONCEREN PRODUCTS, AVAILABLE FROM BAYER CROPSCIENCE LIMITED OR YOUR MONCEREN IM SUPPLIER.
CONSULT PROCESSOR BEFORE USING ON CROPS FOR PROCESSING.

DISEASES AND PESTS CONTROLLED
The possible development of disease strains resistant to Monceren IM cannot be excluded or predicted. Where such resistant strains occur, Monceren IM is unlikely to give satisfactory control.
A strategy for preventing and managing such resistance should be adopted. Guidelines have been produced by the Fungicide Resistance Action Group (FRAC) and copies are available from the HGCA, CPA, your distributor, crop advisor or product manufacturer.

Rhizoctonia solani
Helminthosporium solani

CROP SPECIFIC INFORMATION
Monceren IM is for use on seed tubers of all varieties grown as main or seed crops.

APPLICATION
2.0 kg of Monceren IM per tonne of seed tubers (3.6 oz per cwt).

Seed tubers should be free from soil deposits at treatment – see also 'Seed Quality' below.

Monceren IM is applied to seed tubers during the planting process. Whichever application technique is chosen, it is essential to obtain an even distribution of the product on the tubers for optimum efficacy. The action of the potato planter achieves this very efficiently provided Monceren IM is initially distributed to some extent within the hopper load of tubers. A number of approaches are available:

Hopper Application

(i). Measure the quantity of Monceren IM required to treat a hopper load of seed tubers. One quarter fill the hopper with seed tubers, sprinkle over the tubers one third of the required quantity of Monceren IM, add a further quarter of the seed tubers and sprinkle a further third of the Monceren IM dust over the tubers, and so on in layers until the hopper is completely filled with seed tubers. Depending on the size and shape of the hopper, the number of layers required may be varied, provided even coverage of Monceren IM on the tubers is obtained as they are planted. Cover the hopper at the end of the filling process.

(ii). *On-planter Applicator:* Monceren IM may be applied directly onto the tubers using powder metering units fitted to the planter hopper (e.g. Team Sprayers applicator). Powder dispenser manufacturers should be consulted as to the suitability of individual machines for use with Monceren IM and the appropriate machine setting to ensure the correct application rate relative to tuber size is achieved. This method of application reduces risk of operator exposure. These applicators may not be suitable for all automated planters. Care should be taken to ensure that 'bridging' and subsequent build-up of Monceren IM in the applicator does not occur.

Bulk Box Application
Before tipping the seed tubers into the planter hopper Monceren IM may be applied either by scattering the total amount required to treat the bulk load of seed tubers over the surface of the tubers in the full container, or by using the 'sandwich' technique (described above under 'Hopper Application').

Note: this method of application can result in some staining of the bulk box inside surfaces - consequently, ware tubers should not be stored or supplied to packers in such stained boxes.

Chitting Trays
The appropriate amount of Monceren IM can be sprinkled evenly over seed tubers in chitting trays before loading into the planter.

Rain
If seed tubers become damp from light rain, the distribution of Monceren IM on the tubers at planting should not be affected. If, however, a rain shower interrupts planting, the tubers in the hopper should be covered in accordance with normal practice.

Dust
Potato planting is a dusty operation, particularly in windy weather. The use of Monceren IM may add to this problem and operators must wear a dust mask (conforming to EN 149 FFP2 or EN 149 FFP3) when handling the dust formulation, including applying the dust to the potatoes, filling the hopper and when riding on the planter.

SEED QUALITY
Growers are advised to carefully check seed tuber health before applying Monceren IM.
Potato seed tubers to be treated with seed treatments, including Monceren IM, should be of good quality and vigour (i.e. free from conditions such as bacterial rots, physical damage, virus infection, etc.). Crop establishment may be impaired where seed is affected by the conditions above irrespective of any subsequent seed treatment application.

It is Good Agricultural Practice to allow seed tubers coming out of cold store to achieve ambient temperature before planting in to cold and / or wet seed beds.

TUBER HANDLING
Any damage occurring to tubers or sprouts/chits during handling, treatment or planting may adversely affect their subsequent performance and cropping

OTHER SEED TREATMENTS
Monceren IM should NOT be used on seed tubers which have previously been treated with another dry powder seed treatment or where hot water treatment is used.

COMPATIBILITY – not applicable
There are no Bayer CropScience Limited recommendations for the use of Monceren IM in conjunction with any seed tuber treatment.
Check with Bayer CropScience or your supplier before use of any other chemical in sequence with Monceren IM at planting.

Harvest Interval - not applicable
Use of treated tubers - Use of Tubers treated with Monceren IM may be used only as seed.
They must not be used for human or animal consumption.

Section 6 of the Health and Safety at Work Act

Additional Product Safety Information (This section does not form part of the approved product label). 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 "off-label" approval or is otherwise permitted. The information on this label is based on the best available information including data from test results.

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

MONCEREN IM

Version 4 / GB Revision Date: 24.07.2014 102000007045

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

1.1 Product identifier

Trade name MONCEREN IM
Product code (UVP) 04368568

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

Use Fungicide, Seed treatment

1.3 Details of the supplier of the safety data sheet

Supplier Bayer CropScience Limited, 230 Cambridge Science Park
Milton Road, Cambridge CB4 0WB
Telephone +44(0)1223 226500
Telefax +44(0)1223 426240
Responsible Department Email: ukinfo@bayercropscience.com

1.4 Emergency telephone no.

Emergency telephone no. 0800-220876 (UK 24 hr)
+44(0)1635-563000 (Overseas 24 hr)

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.

Chronic aquatic toxicity: Category 2
H411 Toxic to aquatic life with long lasting effects.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

R52/53

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:

· Imazalil sulphate
· Pencycuron

Hazard statements

H411 Toxic to aquatic life with long lasting effects.
EUH401 To avoid risks to human health and the environment, comply with the instructions for use.
EUH208 Contains imazalil sulfate. May produce an allergic reaction.

Precautionary statements

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

2.3 Other hazards

Dust may form explosive mixture in air.

SECTION 3: COMPOSITION//INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical nature

Powder for dry seed treatment (DS)
Imazalil sulphate/Pencycuron 0.8:12,5 % w/w

Hazardous components

R-phrase(s) according to EC directive 67/548/EEC
Hazard statements according to Regulation (EC) No. 1907/2006

Name	CAS-No. / EC-No.	Classification		Concentration [%]
		EC Directive 67/548/EEC	Regulation (EC) No 1272/2008	
Imazalil sulphate	58594-72-2 281-291-3	Xn; R22 R43 N; R50/53	Acute Tox. 4, H302 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	0.80
Pencycuron	66063-05-6 266-096-3	Not classified	Aquatic Chronic 1, H410	12.50
White mineral oil	8042-47-5 232-455-8	Not classified	Asp. Tox. 1, H304	> 1.00 – < 10.00
Kaolin	1332-58-7 310-194-1	Not classified	Not classified	> 1.00
Talc	14807-96-6 238-877-9	Not classified	Not classified	> 1.00

Further information

For the full text of the R-phrases/ Hazard statements mentioned in this Section, see Section 16.

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. If symptoms persist, call a physician.
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. Get medical attention if irritation develops and persists.
Ingestion Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms No symptoms known or expected.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment 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.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Water spray, Carbon dioxide (CO2), Foam, Sand

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), Carbon monoxide (CO), Nitrogen oxides (NOx)

5.3 Advice for firefighters

Special protective equipment for fire-fighters

In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.

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. Remove all sources of ignition.

6.2 Environmental precautions

Do not allow to get into surface water, drains and ground water. If spillage enters drains leading to sewage works inform local water company immediately. If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up Use mechanical handling equipment. Clean contaminated floors and objects thoroughly, observing environmental regulations. Keep in suitable, closed containers for disposal.

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.

SECTION 7: HANDLING AND STORAGE

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 Dust may form explosive mixture in air. Keep away from heat and sources of ignition.
Hygiene measures Avoid contact with skin, eyes and clothing. Keep working clothes separately. Wash hands immediately after work, if necessary take a shower. 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 Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only. Keep away from direct sunlight.
Advice on common storage Keep away from food, drink and animal feedingstuffs.
Suitable materials Polyethylene film within an outer package

7.3 Specific end uses Refer to the label and/or leaflet.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Pencycuron	66063-05-6	5 mg/m3 (TWA)		OES BCS*
Kaolin (Respirable dust.)	1332-58-7	2 mg/m3 (TWA)	12 2011	EH40 WEL
Talc (Respirable dust.)	14807-96-6	1 mg/m3 (TWA)	12 2011	EH40 WEL

*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

8.2 Exposure controls

Refer to COSHH assessment (Control of Substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practicable. Refer also to COSHH Essentials.

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 If product is handled while not enclosed, and if contact may occur: Wear respirator with a particle filter mask (protection factor 4) conforming to European norm EN149FFP1 or equivalent. 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 Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness of 0,4 mm). Wash when contaminated and 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.
Eye protection Wear goggles (conforming to EN166, Field of Use = 5 or equivalent).
Skin and body protection Wear standard coveralls and Category 3 Type 5 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 powder
Colour red
Odour weak, characteristic
pH 4.5 - 6.5 at 1 % (23 °C) (deionized water)
Dust explosion class capable of causing a dust explosion (modified Hartmann tube, ignition with continuous spark generator)
Water solubility Not dispersible
Partition coefficient: noctanol/ water Imazalil sulphate: log Pow: 3.31. Pencycuron: log Pow: 4.68 at 20 °C
Impact Sensitivity Not impact sensitive.
Combustion number CN3 Local combustion without spreading
9.2 Other information Further safety related physical-chemical data are not known.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Thermal decomposition from 140 °C. Exothermic decomposition.
10.2 Chemical stability Stable under recommended storage conditions.
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 normal conditions of use.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity LD50 (rat) > 5,000 mg/kg
Acute inhalation toxicity LC50 (rat) > 0.401 mg/l
Determined in the form of a respirable fine dust.
Highest attainable concentration.
Acute dermal toxicity LD50 (rat) > 5,000 mg/kg
Skin irritation No skin irritation (rabbit)
Eye irritation Slight irritant effect - does not require labelling. (rabbit)

Assessment repeated dose toxicity

Pencycuron did not cause specific target organ toxicity in experimental animal studies.
Imazalil sulphate did not cause specific target organ toxicity in experimental animal studies.

Assessment Mutagenicity

Pencycuron was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.
Imazalil sulphate was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

Assessment Carcinogenicity

Pencycuron was not carcinogenic in lifetime feeding studies in rats and mice.
Imazalil sulphate was not carcinogenic in lifetime feeding studies in rats and mice.

Assessment toxicity to reproduction

Pencycuron caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Pencycuron is related to parental toxicity.
Imazalil sulphate did not cause reproductive toxicity in a two-generation study in rats.

Assessment developmental toxicity

Pencycuron did not cause developmental toxicity in rats and rabbits.
Imazalil sulphate caused developmental toxicity only at dose levels toxic to the dams.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish LC50 (Lepomis macrochirus (Bluegill sunfish)) > 0.26 mg/l
Exposure time: 96 h
The value mentioned relates to the active ingredient pencycuron.
No acute toxicity was observed at its limit of water solubility.
LC50 (Rainbow trout (Oncorhynchus mykiss)) 1.48 mg/l
Exposure time: 96 h
The value mentioned relates to the active ingredient imazalil.

Toxicity to aquatic invertebrates EC50 (Water flea (Daphnia magna)) > 1.0 mg/l
Exposure time: 48 h
The value mentioned relates to the active ingredient pencycuron.
No acute toxicity was observed at its limit of water solubility.
EC50 (Water flea (Daphnia magna)) 3.5 mg/l
Exposure time: 48 h
The value mentioned relates to the active ingredient imazalil.

Chronic toxicity to aquatic invertebrates
NOEC (Daphnia): 0.0992 mg/l
Exposure time: 21 d
The value mentioned relates to the active ingredient pencycuron.

Toxicity to aquatic plants EC50 (Desmodesmus subspicatus) > 1 mg/l
Growth rate; Exposure time: 72 h
The value mentioned relates to the active ingredient pencycuron.
No acute toxicity was observed at its limit of water solubility.
EC50 (Pseudokirchneriella subcapitata) 0.87 mg/l
Biomass; Exposure time: 72 h
The value mentioned relates to the active ingredient imazalil.

12.2 Persistence and degradability

Biodegradability Imazalil sulphate:
not rapidly biodegradable
Pencycuron: not rapidly biodegradable
Koc Imazalil sulphate: Koc: 4753
Pencycuron: Koc: 5667

12.3 Bioaccumulative potential

Bioaccumulation Imazalil sulphate:
Does not bioaccumulate.
Pencycuron: Bioconcentration factor (BCF) 226
Does not bioaccumulate.

12.4 Mobility in soil

Mobility in soil Imazalil sulphate: Immobile in soil
Pencycuron: Immobile in soil

12.5 Results of PBT and vPvB assessment

PBT and vPvB assessment Imazalil sulphate: 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).
Pencycuron: 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 Other adverse effects

Additional ecological information No other effects to be mentioned.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant. Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK).
Contaminated packaging Empty remaining contents. Do not use containers for other products. Clean container with water. Rinsed packaging may be acceptable for landfill, otherwise incineration will be required in accordance with local regulations. Not completely emptied packagings should be disposed of as hazardous waste.

Waste key for the unused product

020108 agrochemical waste containing dangerous substances

SECTION 14: TRANSPORT INFORMATION

ADR/RID/ADN

14.1 UN number **3077**
14.2 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PENCYCURON MIXTURE)
14.3 Transport hazard class(es) 9
14.4 Packing group III
14.5 Environm. Hazardous Mark YES
Hazard no. 90
Tunnel Code E
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 **3077**
14.2 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PENCYCURON MIXTURE)
14.3 Transport hazard class(es) 9
14.4 Packing group III
14.5 Marine pollutant YES

IATA

14.1 UN number **3077**
14.2 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PENCYCURON MIXTURE)
14.3 Transport hazard class(es) 9
14.4 Packing group III
14.5 Environm. Hazardous Mark YES

UK 'Carriage' Regulations

14.1 UN number **3077**
14.2 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PENCYCURON MIXTURE)
14.3 Transport hazard class(es) 9
14.4 Packing group III
14.5 Environm. Hazardous Mark YES
Emergency action code 2Z

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 73/78 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 UK and Northern Ireland Regulatory References

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

Transport

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No 1348)
Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997 (SI 1997 No 2367)
Air Navigation Dangerous Goods Regulations 2002 (SI 2002 No 2786)

Supply and Use

Chemical (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No 716)
Chemical (Hazard Information and Packaging for Supply) (Northern Ireland) Regulations 2009
Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No 2677)
EH40 Occupational Exposure Limits - Table 1 List of approved workplace exposure limits
Control of Pesticide Regulations 1986
Dangerous Substances and Explosive Atmospheres Regulations 2002

Waste Treatment

Environmental Protection Act 1990, Part II
Environmental Protection (Duty of Care) Regulations 1991
The Waste Management Licensing Regulations 1994 (as amended)
Hazardous Waste Regulations 2005 (Replacing Special Waste Regulations 1996 as amended)
Landfill Directive
Regulation on Substances That Deplete the Ozone Layer 1994 (EEC/3093/94)
Water Resources Act 1991
Anti-Pollution Works Regulations 1999

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 R-phrases mentioned in Section 3

R22 Harmful if swallowed.
R43 May cause sensitisation by skin contact.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Text of the hazard statements mentioned in Section 3

H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

The above information is intended to give general health and safety guidance on the storage and 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. 453/2010.