# **NISSODIUM®**



PCS 05514 | Batch No. and manufacturing date: See packaging An emulsion in water formulation containing 50 g/l cyflufenamid for the control of powdery mildew on a range of cereal crops.

# **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 PROTECTIVE GLOVES when handling the concentrate.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

#### **Environmental protection**

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

#### Storage and disposal

RINSE CONTAINER THOROUGHLY by using an integrated pressure device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safety. DO NOT RE-USE EMPTY CONTAINER for any purpose. KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEFDING STUFFS.

KEEP OUT OF THE REACH OF CHILDREN

CONDITIONS OF SUPPLY: The Seller warrants that the good shall at the time of delivery to the Buyer conform to the Seller's standard specification but all other conditions and warranties, whether exhess to implied by statute or custom of the trade or otherwise and whether as to condition, quality, performance, merchaniability, fitness for any purpose of otherwise, are expressly excluded and, subject as aforesaid, the Safer shall be under no liability whatsoever, in contract or in ort, for or in respect of any loss or damage whatsoever resulting from or arising out of the goods or supply or use thereof, whether caused by the negligence of the Seller or otherwise. The Seller shall be under no liability in respect of the warranty given above unless the Buyer allows the Seller respect of the warranty of inspecting the goods where practicable. A consumers statutory rights are not afficient.

#### **RISK AND SAFETY INFORMATION**

#### NISSODIUM

An emulsion in water formulation containing 50 g/l cyflufenamid.

# WARNING

# TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

Avoid release to the environment. Wear protective gloves. Collect spillage.

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.

To avoid risks to human health and the environment, comply with the instructions for use. PCS 05514

### IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE Crops: Barley, Durum wheat, oats, rye (winter), triticale and wheat.

Maximum individual dose: 0.5 L product per hectare Maximum number of applications: 2 per crop

Latest time of application: Before the start of flowering (GS 60)

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 IISING PLANT PROTECTION PRODUCTS.

DIRECTIONS FOR USE: Refer to leaflet attached to this bottle.

READ CAREFULLY BEFORE OPENING THE BOTTLE.

Marketed by: Certis, Suite 5, 3 Riverside, Granta Park, Great Abington, Cambridgeshire, CB21 6AD Tel: 0044 (0)845 373 0305 Fax: 0044 (0)1223 891210 E-mail: certis@certiseurope.co.uk For technical and non-emergency calls – phone 0044 (0)1223 894261

PROTECT FROM FROST

For advice on medical emergencies, fires, spillages or chemical hazards ONLY – phone 0870 190 6777

Approval Holder: Nisso Chemical Europe GmbH, Berliner Allee 42, 40212 Dusseldorf, Germany

NISSODIUM is a registered trademark of Nippon Soda Co., Ltd.

1 LITRE  $\leftarrow$ 

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Unsuitable extinguishing media . Jet of water.

# 5.2. Special hazards arising from the substance or mixture

Combustion or thermal decomposition may generate toxic vapours: chlorine compounds, nitrogen oxides, carbon monoxide, hydrocarbons,

### 5.3. Advice for firefighters

# Firefighting instructions

Exercise caution when fighting any chemical fire. Fight fire from safe distance and protected location.

Do not breathe fumes

Cool closed containers exposed to fire with water spray. If possible, take the containers out of dangerous zone.

Contain fire-fighting water with dikes or absorbents to prevent migration and entry into sewers or streams.

Wear a self-contained breathing apparatus

#### Protection during firefighting

Wear suitable protective clothing, gloves, eve/face protection and

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

# 6.1. Personal precautions, protective equipment and emergency

#### Protective equipment

Wear suitable protective clothing, gloves and eye or face protection.

#### Emergency procedures Evacuate area.

Ensure adequate ventilation

Avoid direct contact with the substance.

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters

Notify the authorities if product enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

### Methods for cleaning up

Clean up any spills as soon as possible, using an absorbent material to

Once absorbed collect spilled material with shovels, buckets and place in closed containers and label properly.

Remove as chemical waste, according to national or local legislation. In the event of major spillage; contact an expert.

#### 6.4. Reference to other sections

Reference to other sections (8, 13).

#### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

#### Precautions for safe handling

Read label before use

Avoid contact with eyes skin nose and mouth Wear suitable protective clothing, gloves and eye/face protection

Opened containers must be carefully closed and kept upright to avoid leakage.

#### Hygiene measures

Always wash your hands immediately after handling this product, and once again before leaving the workplace.

Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product.

#### Wash contaminated clothing before reuse.

#### 7.2. Conditions for safe storage, including any incompatibilities Technical measures

Provide adequate ventilation

#### Storage conditions

Prevent unauthorised access Keep locked up and out of the reach of children.

Keep away from heat and direct sunlight.

Keep in original containers, tightly closed. Keep away from food, drink and animal feedingstuffs.

Protect against frost.

#### 7.3. Specific end use(s)

Fungicide for agricultural use. Refer to the label.

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

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

Appropriate engineering controls Emergency eve wash fountains and safety showers should be available in the immediate vicinity of any

### notential exposure.

9.2. Other information Wear impervious gloves resistant to chemical. Gloves material; e.g.

Protective clothing with long sleeves waterproof and resistant to 10.2. Chemical stability The product is stable at normal handling and storage conditions.

#### 10.4. Conditions to avoid

10.3. Possibility of hazardous reactions

SECTION 10: STABILITY AND REACTIVITY

#### 10.5. Incompatible materials

Hazardous polymerization does not occur, Is not explosive and does not

The product is stable at normal handling and storage conditions.

10.6. Hazardous decomposition products

# Do not eat, drink or smoke while handling the product. Clean gloves with

Combustion or thermal decomposition may generate toxic vapours: chlorine compounds nitrogen oxides carbon monoxide hydrocarbons

#### 11.1. Information on toxicological effects

CYFLUFENAMID 5% EW			
LD50 oral rat	> 5000 mg/kg		
LD50 dermal rat	> 2000 mg/kg		
LC50 inhalation rat	> 4.41 mg/l/4h		

Skin Irritation Moderate to severe irritation in rabbits Persis Eve Irritation Very slight irritation in rabbits Sensitisation Not a skin sensitiser in quinea pigs. Carcinogenicity Not carcinogenic in rats and mice Cyflufe (Cvflufenamid) Ames test: Negative (Cyflufenamid) BCF Chromosomal aberration test: Negative. (Cyflufenamid) Cytogenetic test (mouse lymphoma): Negative (Cyflufenamid) Negative (Cyflufenamid) Tetratogenicity Negative in rats and rabbits (Cyflufenamid) Log Koc Cvflufenamid NOAEL (rat, 2 years) 4,4 mg/kg/day (male)

Cyflufénamid			
Log Koc	1003 - 2100	(	
12.5. Results of PBT and vPvB assessment			

# This mixture contains no substance considered

bioaccumulating nor toxic (PBT). This mixt considered to be very persistent and very bloaccumulative (vPvB).

# 12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

rinse water in the tank or container where the mixture is prepared. Handle empty containers and waste as established by the competent authorities.

#### SECTION 14: TRANSPORT INFORMATION In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

ENVIRONMENTALLY HAZARDOLIS SURSTANCE LIQUID NOS

("Cyflufenamid"/"Solvent naphtha (petroleum), heavy arom," mixture)

LIN 3082 ENVIRONMENTALLY HAZARDOLIS SUBSTANCE LIQUID N.O.S.

14.1. UN number

Proper Shipping Name

14.2. UN proper shipping name

Transport document description

HN-No

9. III. (E)

SECTION 12: FCOLOGICAL INFORMATION

9.84 mg/l (96 h)	
9.48 mg/l (48 h)	
1.628 mg/l (72h)	
0,395 mg/l (72h)	

# 12.2. Persistence and degradability

		14.3. Transport hazard class(es)	
lufenamid (180409-60-3)			
141011411114 (100 100 00 0)		Class (UN)	
sistence and degradability	Not readily biodegradable	Hazard labels (UN)	

### 12.3. Bioaccumulative potential

Cyflufenamid (180409-60-3)				
BCF	BCF = 528 at 10 µg/L (Mean of 10 -28 days)	Pac		
Log Pow	Log Pow = 4,7 (25°C, pH 6.75)	14.		

#### 12.4. Mobility in soi

d		
	1003 - 2100	

# 14.6.1. Overland transport

azard identification number (Kemler No.) Classification code (UN)

# 3082

AII $\mathbb{N}$ 

Special provision (ADR)	274, 335, 601
Transport category (ADR)	3
Tunnel restriction code	E
Limited quantities (ADR	5L
Excepted quantities (ADR)	E1
FAC code	•37

No additional information available.

### No additional information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78

# SECTION 15: REGIII ATORY INFORMATION

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

# 15 1 1 FII-Regulations

No REACH Annex XVII restrictions

Contains no REACH candidate substance

# 15.1.2. National regulations

No additional information available

Change date	Previous Version	Section	Changed Item	Change	Comments
04/02/2014	1.1	2	CLP classification and label elements	Added	
			R51/53	Removed	
			R50/53	Added	
31/10/2014	3.0	3.2, 9.0, 12			Update according to Version 10 of NISSO (05/06/2014)

nal)	Acute toxicity (dermal) Category 4	Do not contaminate water with the product or its container	
lation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4	Do not clean applicator equipment near surface water.	
)	Acute toxicity (oral) Category 4	Avoid contamination via drains from farmyards and roads.	
	Hazardous to the aquatic environment - Acute Hazard Category 1	Storage and disposal	
!	Hazardous to the aquatic environment - Chronic Hazard Category 2	RINSE CONTAINER THOROUGHLY by using an integrated	
	Hazardous to the aquatic environment - Chronic Hazard Category 3	pressure device or manually rinsing three times. Add	
	Aspiration hazard Category 1	weehings to aprover at time of filling and dispose of cofely	

KEEP OUT OF THE REACH OF CHILDREN

CONDITIONS OF SUPPLY: The Seller warrants that the goods shall at the time of delivery to the Buyer conform to the Seller's standard specification but all other conditions and warranties, whether express or implied by statute or custom of the trade or otherwise and whether as to condition, quality, performance, merchantability, fitness for any purpose or otherwise, are expressly excluded and, subject as aforesaid, the Seller shall be under no liability whatsoever, in contract or in tort, for or in respect of any loss or damage whatsoever resulting from or arising out of the goods or supply or use thereof, whether caused by the negligence of the Seller or otherwise. The Seller shall be under no liability in respect of the warranty given above unless the Buyer allows the Seller reasonable opportunity of inspecting the goods where practicable. A consumers statutory rights

RISK AND SAFFTY INFORMATION

LASTING FEFFCTS

Wear protective gloves.

non-hazardous waste

instructions for use.

IMPORTANT INFORMATION

Collect spillage.

TOXIC TO AQUATIC LIFE WITH LONG

Dispose of contents/container to a licensed

collection site except for triple rinsed, empty

containers which can be disposed of as

To avoid risks to human health and

the environment, comply with the

hazardous waste disposal contractor or

Avoid release to the environment

#### An emulsion in water formulation containing 50 g/l cvflufenamid.

NISSODIUM® CERTIS

WARNING

#### personal protective equipment: WEAR SUITABLE PROTECTIVE GLOVES when handling

PCS 05514 | Batch No. and manufacturing date: See packaging

An emulsion in water formulation containing 50 g/l cvflufenamic

for the control of powdery mildew on a range of cereal crops.

the concentrate. WHEN LISING DO NOT FAT DRINK OR SMOKE

Engineering control of operator exposure must be used

where reasonably practicable in addition to the following

**SAFETY PRECAUTIONS** 

# Environmental protection

Operator protection

d roads

rated washings to sprayer at time of filling and dispose of safely. DO NOT RE-USE EMPTY CONTAINER for any purpose. KEEP AWAY FROM FOOD DRINK AND ANIMAL FFFDING STUFFS.

FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE Crops: Barley, Durum wheat, oats, rye (winter), triticale and wheat,

Maximum individual dose: 0.5 L product per hectare Maximum number of applications: 2 per crop

Latest time of application: Before the start of flowering (GS 60)

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:** Refer to leaflet attached to this bottle. READ CAREFULLY BEFORE OPENING THE BOTTLE

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Tel: 0044 (0)845 373 0305 Fax: 0044 (0)1223 891210 E-mail: certis@certiseurope.co.uk

For advice on medical emergencies, fires, spillages or chemical hazards ONLY - phone 0870 190 6777





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Discharge into the environment must be avoided. Do not contaminate

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Wash hands and face with soap and water before eating, drinking or smoking

should remain on the work area and stored separately from street clothes.

Clean equipment, premises and work clothes regularly. Work clothing

9.1. Information on basic physical and	chemical properties	- [1
Physical state	Liquid	
Colour	Off-white to pale yellow	
Odour	Aromatic	Sł
Odour threshold	No data available	Ey
pH	No data available	Se
Relative evaporation rate (butylacetate=1)	No data available	C
Melting point	No data available	
Freezing point	No data available	M
Boiling point	103°C	
Flash point	112°C (Cleaveland open cup)	

Boiling point Flash point Self ignition temperature No data available >140°C (Cvflufenamid) Decomposition temperature Flammability (solid, gas) No data available

Insoluble

No data available

No data available

31.9 mN/m (25°C)

No oxidising properties

Not explosive

3,54 × 10-5 Pa (Cyflufenamid) Chronic Toxicity Vapour pressure at 20°C Relative vapour density No data available Relative density 1.027 (20°C)

Partition Coefficient n-Octanol/H<sub>o</sub>O

Hyniene measures

soap and water before removing.

Environmental exposure controls

surface and groundwater.

Solubility

Viscosity, kinematic

Viscosity, dynamic

Explosive properties

Oxidising properties

Explosive limits

Surface tension

10.1. Reactivity

exhibit oxidant properties

# Personal protective equipment

Hand protection

#### outside Rubber, Vinvl chloride resin; inside; cotton, rayon, Eve protection

Safety googles or a face shield.

Skin and body protection

chemicals, Rubber boots.

### Respiratory protection

Wear appropriate respirator for dust/organic vapours.

High temperature.

# Strong oxidising agents, strong acids or bases.

12.1. Toxicity

# CYFLUI

		,
TOXICOLOGICAL	INFORMATION	

Not classified	

FLUFENAMID 5% EW		
iO oral rat	> 5000 mg/kg	
i0 dermal rat	> 2000 mg/kg	

Mutagenicity

5.5 mg/kg/day (female)

(male), 9.0 mg/kg/jour (female)

Toxicity for reproduction

Log Pow =  $4.7 (25^{\circ}C. pH6.75)$ 

No data available Subchronic Toxicity 3.7 x 10-5 m<sup>2</sup>/sec (40°C)

NOAFL (rat. 90 days, repeated dose) : 20,1 mg/kg/day (male), 24,7 mg/kg/day

No additional information available

NOAFL (mice, 1.5 years) 62.8 mg/kg/day

13.1. Waste treatment methods

Waste treatment methods

Transpor Apply triple washing procedure of the empty container and place the

No supplementary information available

14.6. Special precautions for user

14.6.2. Transport by sea

14.6.3. Air transport

and the IBC Code

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#### 15.2. Chemical safety assessment No additional information available.

SECTION 16: OTHER INFORMATION

SECTION TO CTILET IIII CHIMATION						
Change date	Previous Version	Section	Changed Item	Change	Comments	
04/02/2014	1.1	2	CLP classification and label elements	Added		

Change date	Previous Version	Section	Changed Item	Change	Comments
04/02/2014	1.1	2	CLP classification and label elements	Added	
			R51/53	Removed	
			R50/53	Added	
31/10/2014	3.0	3.2, 9.0, 12			Update according to Version 10

# Full text of H- and EUH-phrases

Acute Tox

Acute Tox

Acute Tox

Aquatic A

Aquatic 0

Aquatic 0

Asp. Tox.

Fve Dam. 1

Eve Irrit 2

Skin Corr 1B

Skin Irrit 2

x. 4 (Dermal)	Acute toxicity (dermal) Category 4		
x. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4	Do not clean	
x. 4 (Oral)	Acute toxicity (oral) Category 4	Avoid contam	
Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1	Storage an	
Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2	RINSE CONTA	
Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3	pressure devi	
	4	product dovi	

Serious eye damage/eye irritation Category Serious eye damage/eye irritation Category 2 skin corrosion/irritation Category 1B skin corrosion/irritation Category 2

Skin Sens 1 Skin sensitisation Category 1 Harmful if swallowed Harmful in contact with skin Causes severe skin burns and eve damage Causes skin irritation

May cause an allergic skin reaction Causes serious eye damage Causes serious eve irritation Harmful if inhaled

Very toxic to aquatic life Toxic to aquatic life with long lasting effects

Harmful to aquatic life with long lasting effects

For technical and non-emergency calls – phone 0044 (0)1223 894261

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PCS 05514

PROTECT FROM FROST

Not applicable.

# IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

**Crops:** Barley, Durum wheat, oats, rye (winter), triticale and wheat

**Maximum individual dose:** 0.5 L product per hectare

Maximum number of applications: 2 per crop

**Latest time of application:** Before the start of flowering (GS 60)

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**

#### Operator protection

Engineering control of operator, exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

### **Environmental protection**

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

### Storage and disposal

RINSE CONTAINER THOROUGHLY by using an integrated pressure device or manually rinsing three times.

Add washings to sprayer at time of filling and dispose of safely.

DO NOT RE-USE EMPTY CONTAINER for any purpose.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF THE REACH OF CHILDREN.

# DIRECTIONS FOR USE - READ CAREFULLY BEFORE OPENING THE BOTTLE

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 use and successful use of this product.

NISSODIUM® is a protectant fungicide with useful curative activity against powdery mildew on a range of cereal crops.

# Crop safety and timing

NISSODIUM can be used on all varieties of wheat, barley, oats, rye (winter). Durum wheat, triticale from the beginning of stem elongation (GS 30) and before the start of flowering (GS 60).

Half-fill the spray tank with clean water. Commence agitation, Add the recommended quantity of NISSODIUM to the spray tank. Complete filling and maintain agitation of the solution before and during spraying until the tank is empty.

# Rate, water volume and application

Rate: 0.5 L NISSODIUM per hectare per application.

# Maximum number of applications

A maximum of two applications of NISSODIUM may be applied to any one crop.

Water Volume: A water volume of 200-400 litres per hectare is recommended. It is important to ensure that good overall coverage of the plant is achieved. Where the crop is dense, the higher water volume should be used. Where the crop is very open, the lower water volume may be used.

**Spray quality:** FINE or MEDIUM (as defined by the BCPC) using a conventional hydraulic sprayer.

## Time of application

For best results NISSODIUM should be applied at the first visible signs of infection by powdery mildew. For disease contro other than Powdery mildew, NISSODIUM should be tank mixed with a broad-spectrum fungicide (see Compatibility section for approved tank mix partners). Where disease pressure remains high or re-infection occurs, a further application of NISSODIUM can be made to the crop.

NISSODIUM should be applied in the spring only.

### Latest time of application

Before the start of flowering (GS 60).

#### Compatibility

NISSODIUM can be tank mixed with a number of fungicide products to broaden the disease spectrum. The other product labels should be checked thoroughly prior to use to ensure that the crops, timing and any other restrictions on them are appropriate for use with NISSODIUM. Tank mixes should not be allowed to stand in the tank and agitation must be maintained at all times

NISSODIUM is compatible in two-way tank mixes with any one of the following products:

wapproved formulations of prochloraz (Mirage 40EC)

approved formulations of cyproconazole

approved formulations of azoxystrobin (Amistar)

approved formulations of fenpropimorph (Corbel)

approved formulations of tebuconazole (Folicur) approved formulations of epoxiconazole (Opus)

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The crop safety of the listed tank mixes has only been established on winter wheat and winter barley. On winter wheat some transient chlorosis/necrosis has been recorded which has not affected final yield.

# Resistance management

The mode of action of cyflufenamid is different to that of fungicides from other groups. There are no known cases of cross resistance to cyflufenamid in pathogens that have developed reduced sensitivity to other fungicides

Disease control may be reduced if strains of pathogens less sensitive to cyflufenamid develop. Guidelines issued by FRAC may help to reduce the onset of resistant strains:

- Apply NISSODILIM at the start of foliar disease attack
- NISSODIUM must be used as part of an Integrated Crop Management programme that includes use in alternation or tank mixture with fungicides with different modes of action effective against powdery mildew AS WELL AS non-chemical methods of disease management.
- Do not apply consecutive applications of products containing cyflufenamid.
- Apply according to manufacturers recommendations at the specific cop growth stage indicated.
- Apply a maximum of 2 sprays per cereal crop.

#### Rainfastness

NISSODILIM is rainfast within one hour

### Restrictions

Do not apply NISSODIUM to crops under stress from drought, waterloaging, cold, pes deficiency or other factors reducing plant growth

## Succeeding and replacement crops

There are no restrictions on the planting of any succeeding or rotational crop following the application of NISSODIUM.

### Spray tank clean-out

Immediately after spraying NISSODIUM, drain tank completely. Any contamination on the outside of the spraying equipment should be removed by washing with water and a commercially available cleaning agent (e.g. All Clear Extra). Rinse inside of tank with clean water and cleaning agent and flush through boom and hoses using at least one tenth of the spray tank volume. Drain completely, Repeat hissing as above. Do not contaminate surface waters or ditches with rinse water or empty containers.

#### Warning

Avoid spray drift onto ponds, waterways and ditches

All Clear is a registered trademark of E.I.Du Pont de Nemours and Co Inc. Mirage is a registered trademark of Adama Folicur is a registered trademark of Bayer Amistar and Corbel are registered trademarks of Syngenta Opus is a registered trademark of BASF

This Safety Data Sheet does not form part of the label authorised under Regulation 1107/2009.

# SAFETY DATA SHEET

Date of issue 06/01/2016 Revision date 06/01/2016 Version 3.3

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

#### 1.1. Product identifier

Main use category

Product name Cvflamid Product form Mixture Fmulsion, oil in water (FW) Type of formulation

Active Ingredient Cyflufenamid Composition code NI 022 C0058

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

#### 2.1. Relevant identified uses

Plant protection product for professional use. Agriculture. Fungicide

#### 1.2.2. Uses advised against

No additional information available.

# 1.3. Details of the supplier of the safety data sheet

Use of the substance/mixture

Nisso Chemical Furone GmbH. Berliner Allee 42.

40212 Düsseldorf, Allemagne T · +49(0) 211 130 66 86 0

F.: +49(0) 211 328231 sds@nisso-chem.de

Suite 5. 3 Riverside, Granta Park, Great Abington. Cambridgeshire CB21 6AD United Kingdom

Tel: +44 (0)845 373 0305 Fax: +44 (0)1223 891210

Email: certis@certiseurope.co.uk Website: www.certiseurope.co.uk

### 1.4. Emergency telephone number

Certis Carechem24 multilingual 24 hours emergency number: +44 (0) 870 190 6777.

For advice on medical emergencies, fires, spillages or chemical hazards only -phone: 0870 190 6777.

For further advice for medical professionals - The National Poisons Information Service:

Tel: 0870 600 6266 (UK only) or Dublin Tel: 0035 3 137 99 64/379966. For further advice for veterinary surgeons: 020 7635 9195.

### SECTION 2: HAZARDS IDENTIFICATION

# 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Aquatic Chronic 2 H411

Full text of H-phrases: see section 16. 2.2. Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

# Hazard statements (CLP)

H411 - Toxic to aquatic life with long lasting effects.

#### Precautionary statements (CLP) P273 - Avoid release to the environment

P280 - Wear protective gloves.

P391 - Collect spillage. 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 non-hazardous waste.

#### EUH phrases

FUH401 - To avoid risks to human health and the environment, comply with the instructions for use.

#### 2.3. Other hazards

No additional information available

# SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

### 3.1. Substances

Not applicable.

### 3.2. Mixtures

me	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
lufenamid	(CAS No) 180409-60-3 (EC no) - (EC index no) -	5,3	Aquatic Chronic 1, H410
drocarbons, C10-C13, aromatics, <1% naphthalene	(CAS No) - (EC no) 922-153-0 (EC index no) -	18	Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066
bitane trioleate (Anhydro-D-glucitol trioleate)	(CAS No) 26266-58-0 (EC no) 247-569-3 (EC index no) -	10	Skin Irrit. 2, H315 Eye Irrit. 2, H319
yoxyethylene oleylether IS No) 9004-98-2	(CAS No) 9004-98-2 (EC no) 500-016-2 (EC index no) -	10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
y(oxy-1,2-ethanediyl), a-[2,4,6-tris(1-phenylethyl)phenyl]-w-hydroxy	(CAS No) 99734-09-5	5	Aquatic Chronic 3, H412
yoxyethylene tristylylphenylether phosphate	(CAS No) 90093-37-1	< 5	Eye Irrit. 2, H319
2-Benzisothiazole-3-(2H)-one	(CAS No) 2634-33-5 (EC no) 220-120-9 (EC index no) 613-088-00-6	0.2	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 (2) Aquatic Acute 1, H400

Full text of H- and FUH-phrases: see section 16.

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

First-aid measures general In the event of any complaints or symptoms, avoid further exposure.

First-aid measures after inhalation IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing, If symptoms persist call a doctor.

First-aid measures after skin contact IF ON SKIN: Wash with plenty of soap and water, Remove contaminated clothing and shoes.

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

First-aid measures after eve contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist.

First-aid measures after ingestion IF SWALLOWED: Immediately call a POISON CENTER or doctor. Never give anything by mouth to an

unconscious person

# 4.2. Most important symptoms and effects, both acute and delayed

No data available. 4.3. Indication of any immediate medical attention and special treatment needed

# Treat symptomatically

XXXXXX