

# Safety data sheet

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BASF Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

Date / Revised: 18.11.2014

Version: 4.0

Product: **MASAI**

(ID no. 30264498/SDS\_CPA\_GB/EN)

Date of print 18.11.2014

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**MASAI**

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

Relevant identified uses: crop protection product, insecticide

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

Company:  
BASF SE  
67056 Ludwigshafen  
GERMANY

Contact address:  
BASF plc  
PO Box 4, Earl Road, Cheadle Hulme,  
Cheadle, Cheshire  
SK8 6QG, UNITED KINGDOM

Telephone: +44 161 485-6222  
E-mail address: product-safety-north@basf.com

### 1.4. Emergency telephone number

International emergency number:  
Telephone: +49 180 2273-112

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## SECTION 2: Hazards Identification

### 2.1. Classification of the substance or mixture

According to Regulation (EC) No 1272/2008 [CLP]

Acute Tox. 4 (Inhalation - dust)  
Acute Tox. 4 (oral)  
STOT SE 3 (irritating to respiratory system)

| STOT RE (Gastrointestinal tract) 2 (oral)

Aquatic Acute 1

Aquatic Chronic 1

According to Directive 67/548/EEC or 1999/45/EC

Possible Hazards:

Harmful by inhalation.

Harmful if swallowed.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

For the classifications not written out in full in this section the full text can be found in section 16.

## 2.2. Label elements

| According to Regulation (EC) No 1272/2008 [CLP]

Pictogram:



Signal Word:

Warning

Hazard Statement:

H332

Harmful if inhaled.

H302

Harmful if swallowed.

H335

May cause respiratory irritation.

| H373

May cause damage to organs (Gastrointestinal tract) through prolonged or repeated exposure (oral).

H400

Very toxic to aquatic life.

H410

Very toxic to aquatic life with long lasting effects.

EUH401

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

Precautionary Statements (Prevention):

P271

Use only outdoors or in a well-ventilated area.

| P260

Do not breathe dust/gas/mist/vapours.

P270

Do not eat, drink or smoke when using this product.

| P264

Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

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P311	Call a POISON CENTER or doctor/physician.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301 + P330	IF SWALLOWED: rinse mouth.
P391	Collect spillage.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

## Precautionary Statements (Disposal):

P501	Dispose of contents/container to hazardous or special waste collection point.
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## Labeling of special preparations (GHS):

EUH208: May produce an allergic reaction. Contains: TEBUFENPYRAD

According to Regulation (EC) No 1272/2008 [CLP]

Hazard determining component(s) for labelling: TEBUFENPYRAD, SODIUM DODECYL SULPHATE

According to Directive 67/548/EEC or 1999/45/EC

Classification/labelling in accordance with UK regulations.

## Hazard symbol(s)

Xn Harmful.



N Dangerous for the environment.



## R-phrases(s)

R20	Harmful by inhalation.
R22	Harmful if swallowed.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## S-phrases(s)

S2	Keep out of the reach of children.
S13	Keep away from food, drink and animal feeding stuffs.
S20/21	When using do not eat, drink or smoke.
S35	This material and its container must be disposed of in a safe way.
S46	If swallowed, seek medical advice immediately and show this container or label.
S57	Use appropriate container to avoid environmental contamination.

Hazard determining component(s) for labelling: TEBUFENPYRAD, SODIUM DODECYL SULPHATE

The product contains: TEBUFENPYRAD

May produce an allergic reaction.

### 2.3. Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

See section 12 - Results of PBT and vPvB assessment.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

## SECTION 3: Composition/Information on Ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

#### Chemical nature

crop protection product, acaricide, Wettable powder (WP)

#### Hazardous ingredients (GHS)

according to Regulation (EC) No. 1272/2008

#### Tebufenpyrad

Content (W/W): 20 %  
CAS Number: 119168-77-3

Acute Tox. 4 (Inhalation - dust)  
Acute Tox. 3 (oral)  
Skin Sens. 1B  
STOT RE (Gastrointestinal tract) 2 (oral)  
Aquatic Acute 1  
Aquatic Chronic 1  
M-factor acute: 10  
M-factor chronic: 10  
H332, H301, H317, H373, H400, H410

Sodium dodecyl sulphate

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Content (W/W): < 5 %  
 CAS Number: 151-21-3  
 EC-Number: 205-788-1  
 REACH registration number: 01-2119489461-32

Flam. Sol. 2  
 Acute Tox. 4 (Inhalation - dust)  
 Acute Tox. 4 (oral)  
 Skin Corr./Irrit. 2  
 Eye Dam./Irrit. 1  
 STOT SE 3 (irr. to respiratory syst.)  
 Aquatic Chronic 3  
 H228, H318, H315, H332, H302, H335, H412

Specific concentration limit:

Eye Dam./Irrit. 2: 10 - < 20 %  
 Eye Dam./Irrit. 1: >= 20 %

oleylaminethoxylate, polymer, starting materials listed in EINECS

Content (W/W): < 5 %  
 CAS Number: 26635-93-8

Acute Tox. 4 (oral)  
 Skin Corr./Irrit. 2  
 Eye Dam./Irrit. 1  
 Aquatic Acute 1  
 Aquatic Chronic 1  
 H318, H315, H302, H400, H410

Alcohols, C12-15, ethoxylated

Content (W/W): < 3 %  
 CAS Number: 68131-39-5

Acute Tox. 4 (oral)  
 Skin Corr./Irrit. 2  
 Eye Dam./Irrit. 1  
 Aquatic Chronic 2  
 H318, H315, H302, H411

| Sodium dioctyl sulfosuccinate

Content (W/W): < 3 %  
 CAS Number: 1639-66-3  
 EC-Number: 216-684-0

Skin Corr./Irrit. 2  
 Eye Dam./Irrit. 1  
 Aquatic Chronic 3  
 H318, H315, H412

Kaolin

Content (W/W): < 60 %  
 CAS Number: 1332-58-7  
 EC-Number: 310-194-1

Silicon dioxide

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Content (W/W): < 15 %  
CAS Number: 7631-86-9  
EC-Number: 231-545-4  
REACH registration number: 01-  
2119379499-16

Silica gel, precipitated, crystalline free

Content (W/W): < 5 %  
CAS Number: 112926-00-8  
REACH registration number: 01-  
2119379499-16

#### Hazardous ingredients

according to Directive 1999/45/EC

Tebufenpyrad

Content (W/W): 20 %  
CAS Number: 119168-77-3  
Hazard symbol(s): Xn, N  
R-phrases: 20/22, 43, 50/53

Sodium dodecyl sulphate

Content (W/W): < 5 %  
CAS Number: 151-21-3  
EC-Number: 205-788-1  
REACH registration number: 01-2119489461-32  
Hazard symbol(s): F, Xn  
R-phrases: 41, 11, 37/38, 20/22

oleylaminethoxylate, polymer, starting materials listed in EINECS

Content (W/W): < 5 %  
CAS Number: 26635-93-8  
Hazard symbol(s): Xn, N  
R-phrases: 22, 38, 41, 50/53

Alcohols, C12-15, ethoxylated

Content (W/W): < 3 %  
CAS Number: 68131-39-5  
Hazard symbol(s): Xn, N  
R-phrases: 22, 38, 41, 51/53

| Sodium dioctyl sulfosuccinate

Content (W/W): < 3 %  
CAS Number: 1639-66-3  
EC-Number: 216-684-0  
Hazard symbol(s): Xi  
R-phrases: 38, 41, 52/53

Kaolin

Content (W/W): < 60 %  
CAS Number: 1332-58-7  
EC-Number: 310-194-1

Silicon dioxide

Content (W/W): < 15 %  
CAS Number: 7631-86-9  
EC-Number: 231-545-4  
REACH registration number: 01-2119379499-16

Silica gel, precipitated, crystalline free

Content (W/W): < 5 %  
CAS Number: 112926-00-8  
REACH registration number: 01-2119379499-16

For the classifications not written out in full in this section, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, the full text is listed in section 16.

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## SECTION 4: First-Aid Measures

### 4.1. Description of first aid measures

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

Show container, label and/or safety data sheet to physician.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

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

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

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

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## SECTION 5: Fire-Fighting Measures

### 5.1. Extinguishing media

Suitable extinguishing media:  
dry powder, foam, water spray

Unsuitable extinguishing media for safety reasons:  
carbon dioxide

### 5.2. Special hazards arising from the substance or mixture

carbon monoxide, hydrogen chloride, Carbon dioxide, nitrogen oxides, organochloric compounds  
The substances/groups of substances mentioned can be released in case of fire.

### 5.3. Advice for fire-fighters

Special protective equipment:  
Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## SECTION 6: Accidental Release Measures

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

Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Avoid dust formation.

### 6.2. Environmental precautions

Do not allow contamination of public drains or surface or ground waters. Inform local water plc if spillage enters drains and the Environment Agency (England & Wales), the Scottish Environmental Protection Agency (Scotland), or the Environment and Heritage Service (Northern Ireland) if it enters surface or ground waters. Keep people and animals away.

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

For small amounts: Contain with dust binding material and dispose of.

For large amounts: Sweep/shovel up.

Avoid raising dust. Cleaning operations should be carried out only while wearing breathing apparatus. Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

### 6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

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## SECTION 7: Handling and Storage

### 7.1. Precautions for safe handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Protection against fire and explosion:

Dust can form an explosive mixture with air. Avoid dust formation. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

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

Segregate from foods and animal feeds.

Further information on storage conditions: Protect against moisture. Keep away from heat. Protect from direct sunlight.

Protect from temperatures above: 30 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

### 7.3. Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

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## SECTION 8: Exposure Controls/Personal Protection

### 8.1. Control parameters

#### Components with occupational exposure limits

1332-58-7: Kaolin

TWA value 2 mg/m<sup>3</sup> (WEL/EH 40 (UK)), Respirable dust

7631-86-9: Silicon dioxide

TWA value 6 mg/m<sup>3</sup> (WEL/EH 40 (UK)), Inhalable dust

TWA value 2.4 mg/m<sup>3</sup> (WEL/EH 40 (UK)), Respirable dust

Refer to the current edition of HSE Guidance Note EH40 Occupational Exposure Limits (United Kingdom).

For normal use and handling refer to the product label/leaflet. In all other cases the following apply.

### 8.2. Exposure controls

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection for higher concentrations or long-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

**Hand protection:**

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc.

**Eye protection:**

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

**Body protection:**

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

**General safety and hygiene measures**

The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

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## SECTION 9: Physical and Chemical Properties

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

Form:	powder
Colour:	beige
Odour:	faint odour
Odour threshold:	Not determined since harmful by inhalation.
pH value:	approx. 8 - 9 (1 %(m), 21 °C) (as suspension)
Melting point:	> 460 °C The data given are those of the active ingredient.
Boiling point:	The product is a non-volatile solid.
Flash point:	not applicable
Evaporation rate:	not applicable
Flammability:	not self-igniting (Directive 92/69/EEC, A.10)
Lower explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.

Upper explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.	
Vapour pressure:	The product has not been tested.	
Relative vapour density (air):	not applicable	
Solubility in water:	dispersible	
Partitioning coefficient n-octanol/water (log Kow):	not applicable	
Self ignition:	not self-igniting	(Method: Directive 92/69/EEC, A.16)
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	not applicable, the product is a solid	
Explosion hazard:	Based on the chemical structure there is no indicating of explosive properties.	(Directive 92/69/EEC, A.14)
Fire promoting properties:	Based on its structural properties the product is not classified as oxidizing.	(Directive 92/69/EEC, A.17)

## 9.2. Other information

Bulk density:	approx. 300 - 400 kg/m <sup>3</sup> (20 °C)
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## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

### 10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### 10.3. Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

### 10.4. Conditions to avoid

See MSDS section 7 - Handling and storage.

### 10.5. Incompatible materials

Substances to avoid:

strong acids, strong bases, strong oxidizing agents

## 10.6. Hazardous decomposition products

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

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## SECTION 11: Toxicological Information

### 11.1. Information on toxicological effects

#### Acute toxicity

Assessment of acute toxicity:

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Of moderate toxicity after short-term inhalation. Of moderate toxicity after single ingestion. Virtually nontoxic after a single skin contact.

Experimental/calculated data:

LD50 rat (oral): 1,278 mg/kg

LC50 rat (by inhalation): 2.1 mg/l 4 h

LD50 rat (dermal): > 4,000 mg/kg

No mortality was observed.

#### Irritation

Assessment of irritating effects:

Not irritating to the eyes. Not irritating to the skin.

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Serious eye damage/irritation rabbit: non-irritant

#### Respiratory/Skin sensitization

Assessment of sensitization:

There is no evidence of a skin-sensitizing potential.

Experimental/calculated data:

modified Buehler test guinea pig: Skin sensitizing effects were not observed in animal studies.

#### Germ cell mutagenicity

Assessment of mutagenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

#### Carcinogenicity

Assessment of carcinogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Kaolin*

*Assessment of carcinogenicity:*

*Indication of possible carcinogenic effect in animal tests. However, the relevance of this result for humans is unclear.*

#### Reproductive toxicity

Assessment of reproduction toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of a fertility impairing effect.

#### Developmental toxicity

Assessment of teratogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

#### Specific target organ toxicity (single exposure)

Assessment of STOT single:

Causes temporary irritation of the respiratory tract.

#### Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Tebufenpyrad*

*Assessment of repeated dose toxicity:*

*Repeated oral exposure may affect certain organs. Damages the gastrointestinal tract.*

*Information on: Sodium dodecyl sulphate*

*Assessment of repeated dose toxicity:*

*Adaptive effects were observed after repeated exposure in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Repeated exposure to large quantities may affect certain organs.*

*Information on: Silicon dioxide*

*Assessment of repeated dose toxicity:*

**|** *Repeated inhalative uptake of particles/dust reaching the alveoli may cause damage to the lungs.*

*Information on: Silica gel, precipitated, crystalline free*

*Assessment of repeated dose toxicity:*

**|** *The substance may cause damage to the lung after repeated inhalation of high doses.*

#### Other relevant toxicity information

Misuse can be harmful to health.

## SECTION 12: Ecological Information

### 12.1. Toxicity

Assessment of aquatic toxicity:

Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Toxicity to fish:

LC50 (96 h) 0.019 mg/l, *Oncorhynchus mykiss*

Aquatic invertebrates:

LC50 (48 h) 0.277 mg/l, *Daphnia magna*

Aquatic plants:

EC50 (72 h) 6.6 mg/l, *Pseudokirchneriella subcapitata*

### 12.2. Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Tebufenpyrad*

*Assessment biodegradation and elimination (H<sub>2</sub>O):*

*Not readily biodegradable (by OECD criteria).*

### 12.3. Bioaccumulative potential

Assessment bioaccumulation potential:

The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Tebufenpyrad*

*Bioaccumulation potential:*

*Bioconcentration factor: 33 (OECD Guideline 305 E)*

*Does not accumulate in organisms.*

#### 12.4. Mobility in soil

Assessment transport between environmental compartments:

Adsorption in soil: The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Tebufenpyrad*

*Assessment transport between environmental compartments:*

*Adsorption in soil: Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.*

#### 12.5. Results of PBT and vPvB assessment

The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

#### 12.6. Other adverse effects

The product does not contain substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

#### 12.7. Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control.

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### SECTION 13: Disposal Considerations

#### 13.1. Waste treatment methods

Must be sent to a suitable incineration plant, observing local regulations.

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom).

This product and any uncleaned containers must be disposed of as hazardous waste in accordance with the 2005 Hazardous Waste Regulations and amendments (United Kingdom)

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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### SECTION 14: Transport Information

#### Land transport

**ADR**

UN number UN3077  
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(contains TEBUFENPYRAD 20%, ALCOHOL ETHOXYLATE)  
Transport hazard class(es): 9, EHSM  
Packing group: III  
Environmental hazards: yes  
Special precautions for user: Tunnel code: E

**RID**

UN number UN3077  
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(contains TEBUFENPYRAD 20%, ALCOHOL ETHOXYLATE)  
Transport hazard class(es): 9, EHSM  
Packing group: III  
Environmental hazards: yes  
Special precautions for user: None known

**Inland waterway transport****ADN**

UN number UN3077  
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(contains TEBUFENPYRAD 20%, ALCOHOL ETHOXYLATE)  
Transport hazard class(es): 9, EHSM  
Packing group: III  
Environmental hazards: yes  
Special precautions for user: None known  
Transport in inland waterway vessel: Not evaluated

**Sea transport****IMDG**

UN number: UN 3077  
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(contains TEBUFENPYRAD 20%, ALCOHOL ETHOXYLATE)  
Transport hazard class(es): 9, EHSM  
Packing group: III  
Environmental hazards: yes  
Marine pollutant: YES  
Special precautions for user: None known

## **Air transport**

### IATA/ICAO

UN number: UN 3077  
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(contains TEBUFENPYRAD 20%, ALCOHOL ETHOXYLATE)  
Transport hazard class(es): 9, EHSM  
Packing group: III  
Environmental hazards: yes  
Special precautions for user: None known

### **14.1. UN number**

See corresponding entries for "UN number" for the respective regulations in the tables above.

### **14.2. UN proper shipping name**

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

### **14.3. Transport hazard class(es)**

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

### **14.4. Packing group**

See corresponding entries for "Packing group" for the respective regulations in the tables above.

### **14.5. Environmental hazards**

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

### **14.6. Special precautions for user**

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Regulation: Not evaluated  
Shipment approved: Not evaluated  
Pollution name: Not evaluated  
Pollution category: Not evaluated  
Ship Type: Not evaluated

## **Further information**

This product is subject to the most recent edition of "The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations" and their amendments (United Kingdom).

## SECTION 15: Regulatory Information

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

To avoid risks to man and the environment, comply with the instructions for use.

The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, 'COSHH Essentials' (United Kingdom).

This product is classified under the Chemicals (Hazard Information and Packaging) Regulations, (CHIP) (United Kingdom).

This product may be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments if specific threshold tonnages are exceeded (United Kingdom).

### 15.2. Chemical Safety Assessment

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

## SECTION 16: Other Information

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

Full text of the classifications, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, if mentioned in section 2 or 3:

Xn	Harmful.
N	Dangerous for the environment.
F	Highly flammable.
Xi	Irritant.
20/22	Harmful by inhalation and if swallowed.
43	May cause sensitization by skin contact.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
41	Risk of serious damage to eyes.
11	Highly flammable.
37/38	Irritating to respiratory system and skin.
22	Harmful if swallowed.
38	Irritating to skin.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Acute Tox.	Acute toxicity
STOT SE	Specific target organ toxicity — single exposure
STOT RE	Specific target organ toxicity — repeated exposure
Aquatic Acute	Hazardous to the aquatic environment - acute
Aquatic Chronic	Hazardous to the aquatic environment - chronic

Skin Sens.	Skin sensitization
Flam. Sol.	Flammable solids
Skin Corr./Irrit.	Skin corrosion/irritation
Eye Dam./Irrit.	Serious eye damage/eye irritation
H332	Harmful if inhaled.
H301	Toxic if swallowed.
H317	May cause an allergic skin reaction.
H373	May cause damage to organs (Gastrointestinal tract) through prolonged or repeated exposure (oral).
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H228	Flammable solid.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H302	Harmful if swallowed.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

If you have any queries relating to this MSDS, its contents or any other product safety related questions, please write to the following e-mail address: [product-safety-north@basf.com](mailto:product-safety-north@basf.com)

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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Vertical lines in the left hand margin indicate an amendment from the previous version.