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

1.1 Product identifier

Trade name: CONTANS PRIME WG
Product code (UVP): 80998929

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

Use: Fungicide

1.3 Details of the supplier of the safety data sheet

Supplier: Bayer (Pty) Ltd.
27 Wrench Road, P.O. Box 143
1600 Isando
South Africa

Telephone: +27 (011) 921 5911
Telefax: +27 (011) 921 5766

Responsible Department: QHSE - Nigel, South Africa
+27 (011) 365 8675 (during business hours only)

1.4 Emergency telephone no.

Emergency telephone no.: +27 (0861) 555 777 (Western Cape Poisons Helpline)

Global Incident Response Hotline (24h): +1 (760) 476 3964 (Company 3E for Bayer AG, Crop Science Division)

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.

Not classified, the classification criteria are not met.

2.2 Label elements

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

No hazard label for supply/use required.

2.3 Other hazards

Micro-organisms may have the potential to provoke sensitising reactions.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical nature

Water dispersible granules (WG)
Coniothyrium mimitans, strain: CON/M/91-08, 1x10 EXP12 active spores per kg
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. If symptoms persist, call a physician.

Skin contact
Wash off with soap and water.

Eye contact
If eye irritation or redness persists, see an ophthalmologist. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

Ingestion
Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center.

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. There is no specific antidote.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable
Water spray, Foam, Dry chemical, Carbon dioxide (CO2)

Unsuitable
High volume water jet

5.2 Special hazards arising from the substance or mixture

Dangerous gases are evolved in the event of a fire.

5.3 Advice for firefighters

Special protective equipment for firefighters
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. When dealing with a spillage do not eat, drink or smoke.

6.2 Environmental precautions

Do not allow to get into surface water, drains and ground water.
6.3 Methods and materials for containment and cleaning up
Methods for cleaning up
Sweep up or vacuum up spillage and collect in suitable container for disposal. Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.

Additional advice
Check also for any local site procedures.

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
7.1 Precautions for safe handling
Advice on safe handling
No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.

Advice on protection against fire and explosion
Keep away from heat and sources of ignition.

Hygiene measures
When using, do not eat, drink or smoke. Wash thoroughly with soap and water after handling. Remove soiled clothing immediately and clean thoroughly before using again.

7.2 Conditions for safe storage, including any incompatibilities
Requirements for storage areas and containers
Store in a place accessible by authorized persons only. Store in original container. Protect against moisture. Keep away from direct sunlight.

Storage stability
Storage period
24 Months
Storage temperature
4 °C

7.3 Specific end use(s)
Refer to the label and/or leaflet.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1 Control parameters
No control parameters known.

8.2 Exposure controls
Respiratory protection
Respiratory protection is not required under anticipated circumstances of exposure.
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
Nitrile rubber gloves

Eye protection
Safety glasses with side-shields

Skin and body protection
Wear standard coveralls and Category 3 Type 5 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 there is a risk of significant exposure, consider a higher protective type suit.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form: granular
Colour: dark brown
Odour: mushroom-like
pH: 6 - 8 at 3 %
Minimum ignition energy: 10 - 30 mJ
Bulk density: 0.42 - 0.47 g/ml
Water solubility: dispersible

9.2 Other information

Further safety related physical-chemical data are not known.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Thermal decomposition: Stable under normal conditions.

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) > 2.500 mg/kg
Acute inhalation toxicity: LC50 (Rat) > 12.74 mg/l
Exposure time: 4 h
Acute dermal toxicity: LD50 (Rat) > 2.500 mg/kg
Skin irritation: No skin irritation (Rabbit)
Eye irritation: No eye irritation (Rabbit)
Sensitisation: Non-sensitizing. (Guinea pig)
OECD Test Guideline 406, Magnusson & Kligman test

Assessment STOT Specific target organ toxicity – repeated exposure
Coniothyrium minitans did not cause specific target organ toxicity in rats.

Assessment mutagenicity
Coniothyrium minitans is not considered mutagenic.

Assessment carcinogenicity
Coniothyrium minitans: Test not required for microorganisms.

Assessment toxicity to reproduction
Coniothyrium minitans: Test not required for microorganisms.

Assessment developmental toxicity
Coniothyrium minitans: Test not required for microorganisms.

Aspiration hazard
Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity
Toxicity to fish
LC50 (Leuciscus idus (Golden orfe)) > 100 mg/l
Exposure time: 96 h
The value mentioned relates to the active ingredient.

Toxicity to aquatic invertebrates
EC50 (Daphnia magna (Water flea)) > 100 mg/l
Exposure time: 48 h
The value mentioned relates to the active ingredient.

Toxicity to aquatic plants
EC50 (Desmodesmus subspicatus (green algae)) > 100 mg/l
Exposure time: 72 h
The value mentioned relates to the active ingredient.

12.2 Persistence and degradability
Biodegradability
Coniothyrium minitans: Evaluation of biodegradability is not relevant for micro-organisms.

Bioaccumulation
Coniothyrium minitans: Evaluation of bioaccumulation is not relevant for micro-organisms.

12.4 Mobility in soil
Mobility in soil
Coniothyrium minitans: Evaluation of mobility in soil is not relevant for micro-organisms.

12.5 Results of PBT and vPvB assessment
PBT and vPvB assessment
Coniothyrium minitans: 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 further ecological information is available.
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.

Contaminated packaging
Empty remaining contents.
Do not re-use empty containers.
Not completely emptied packagings should be disposed of as hazardous waste.

SECTION 14: TRANSPORT INFORMATION

According to SANS 10231/IMDG/IATA not classified as dangerous goods.

14.1 – 14.5 Not applicable.
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 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

Further information
WHO-classification: U (Unlikely to present acute hazard in normal use)

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms

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
ATE       Acute toxicity estimate
CAS-Nr.   Chemical Abstracts Service number
Conc.     Concentration
EC-No.    European community number
ECx       Effective concentration to x %
EINECS    European inventory of existing commercial substances
ELINCS    European list of notified chemical substances
EN        European Standard
EU        European Union
IATA      International Air Transport Association
IBC       International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)
ICx       Inhibition concentration to x %
IMDG      International Maritime Dangerous Goods
The information contained within this Safety Data Sheet is in accordance with the guidelines established by Regulation (EU) 1907/2006 and Regulation (EU) 2015/830 amending Regulation (EU) No 1907/2006 and any subsequent amendments. This data sheet complements the user's instructions, but does not replace them. The information it contains is based on the knowledge available about the product concerned at the time it was compiled. Users are further reminded of the possible risks of using a product for purposes other than those for which it was intended. The required information complies with current EEC legislation. Addressees are requested to observe any additional national requirements.

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