according to WHS Regulations

Printing date 07.05.2019 Revision: 07.05.2019

# 1 Identification

Product Name: EZYFLOW MANGANESE

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Trace Element Supplement

**Details of Manufacturer or Importer:** 

Nutrien Ag Solutions Limited

Level 5, Building A, 26 Talavera Road

Macquarie Park NSW 2113

Phone Number: (02) 9889 5400

Emergency telephone number: 1800 033 111

# 2 Hazard(s) Identification

#### **Hazardous Nature:**

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

The product is not classified, according to the Globally Harmonised System (GHS).

# Signal Word None

**Hazard Statements None** 

Precautionary Statements None

# 3 Composition and Information on Ingredients

**Chemical Characterization: Mixtures** 

Description: Mixture of substances listed below with nonhazardous additions.

#### **Hazardous Components:**

CAS: 598-62-9 Manganese carbonate

# **4 First Aid Measures**

#### Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

#### **Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

#### **Eye Contact:**

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

#### Inaestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

# Symptoms Caused by Exposure:

Inhalation: May cause mild respiratory irritation. Skin Contact: May cause mild skin irritation. Eye Contact: May cause mild eye irritation. Ingestion: May cause gastrointestinal irritation.

40%

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# **5 Fire Fighting Measures**

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

# **Specific Hazards Arising from the Chemical:**

No hazardous decomposition products known.

This product is not flammable.

Containers close to fire should be removed only if safe to do so.

# **Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

# **6 Accidental Release Measures**

## Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

#### **Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

# Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.

# 7 Handling and Storage

## **Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

# **Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from extreme temperatures and direct sunlight. Protect from frost. Keep away from oxidising agents and strong acids.

Store at 5 - 30°C.

# 8 Exposure Controls and Personal Protection

## **Exposure Standards:**

# CAS: 598-62-9 Manganese carbonate

NES TWA: 1 mg/m³

as Mn

WES TWA: 1 mg/m<sup>3</sup>

as Mn

#### **Engineering Controls:**

Maintain air concentration below occupational exposure standards, providing adequate ventilation.

Respiratory Protection: Respiratory protection is not required under normal use conditions.

#### Skin Protection:

PVC or nitrile gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and

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permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

#### **Eve and Face Protection:**

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

# 9 Physical and Chemical Properties

Appearance:

Form: Liquid Colour: Beige Odour: Slight

Odour Threshold: No information available

**pH-Value:** 7.5 - 8.5

Melting point/freezing point: No information available

Initial Boiling Point/Boiling Range: ~100 °C Flash Point: Not applicable

**Flammability:** Product is not flammable.

Auto-ignition Temperature: Not applicable

**Decomposition Temperature:** No information available

**Explosion Limits:** 

Lower: Not applicable Upper: Not applicable

Vapour Pressure: No information available

Density at 20 °C: 1.62 g/cm<sup>3</sup>

Vapour Density:No information availableEvaporation Rate:No information available

Solubility in Water: Insoluble

Partition Coefficient (n-octanol/water): No information available Viscosity:

No information available

# 10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Extreme temperatures and direct sunlight.

**Incompatible Materials:** Oxidising agents and strong acids.

Hazardous Decomposition Products: No hazardous decomposition products known.

# 11 Toxicological Information

**Toxicity:** 

LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification: No information available

**Acute Health Effects** 

Inhalation: May cause mild respiratory irritation.

**Skin:** May cause mild skin irritation. **Eye:** May cause mild eye irritation.

Ingestion: May cause gastrointestinal irritation.

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**Skin Corrosion** / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects: No information available

Existing Conditions Aggravated by Exposure: No information available

Additional toxicological information: No information available

# 12 Ecological Information

**Ecotoxicity:** 

Aquatic toxicity: No further relevant information available.

Persistence and Degradability: No further relevant information available. Bioaccumulative Potential: No further relevant information available.

Mobility in Soil: No further relevant information available.

Other adverse effects: No further relevant information available.

# 13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

#### Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

# 14 Transport Information

UN Number Not regulated
Proper Shipping Name Not regulated
Dangerous Goods Class Not regulated
Packing Group: Not regulated

# 15 Regulatory Information

Australian Inventory of Chemical Substances:	
CAS: FOR 62.0 Manganasa carbanata	

CAS: 598-62-9 | Manganese carbonate

CAS: 7732-18-5 Water

# Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Not Scheduled.

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# 16 Other Information

**Date of Preparation or Last Revision:** 07.05.2019

Prepared by: MSDS.COM.AU Pty Ltd www.msds.com.au

#### Abbreviations and acronyms:

GHS: Globally Harmonised System of Classification and Labelling of Chemicals CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC<sub>50</sub>: Lethal concentration, 50 percent

LD<sub>50</sub>: Lethal dose, 50 percent IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

#### **Disclaimer**

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016"

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