



MATERIAL SAFETY DATA SHEET

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Issued: August 2011

Section 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **MP 430**

Company: MILLER CHEMICAL & FERTILIZER (AUSTRALIA) PTY LTD.
Address: Level 3 / 141-149 Ifould Street,
Adelaide, SA, 5000
ACN/ABN: 086 969 628
Telephone Number: 08 8290 9300 **Fax Number:** 08 8290 9350
Full Product Name: MP430
Other Names: Fertilizer
Use: A liquid fertilizer to aid crop production.

DISTRIBUTED BY: Agspec Australia Pty Ltd
Address: Lot 1 Wandilo Road,
Mt Gambier, SA, 5291
ACN/ABN: 40 109 573 953
Telephone Number: 0427 490 551 **Fax Number:** 08 8125 6555
Emergency Contact: 0488 171 177

Section 2. HAZARDS IDENTIFICATION

**Not classified as hazardous according to criteria of ASCC.
Not classified as a Dangerous Good according to the ADG Code**

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients*:

| <i>CHEMICAL</i> | <i>CAS NUMBER</i> | <i>PROPORTION</i> |
|--|-------------------|-------------------|
| Ingredients determined not to be hazardous | | 100% w/w |

* The formulation of this product is proprietary information

Section 4. FIRST AID MEASURES

FIRST AID

Ingestion: If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126.

Eye contact: If in eyes, hold eyes open, flood gently with water for at least 15 minutes and see a doctor if irritation occurs and persists.

Skin contact: If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water.

Inhalation: Remove to fresh air.

Advice to Doctor: Treat symptomatically.

Section 5. FIRE FIGHTING MEASURES

Extinguishing media: This product is not flammable. Use appropriate extinguishing media for the material that is on fire. Contain all runoff.

Hazards from combustion products: In a fire, overheated drums may rupture but the product will not burn until the water boils off. May evolve toxic gases (hydrogen, nitrogen oxides and ammonia) when heated to decomposition.

Precautions for fire-fighters and special protective equipment: Where large quantities of this product are involved in a fire, always fight fires upwind. If down wind, in enclosed spaces or in smoke or fumes, wear full protective clothing and self contained breathing apparatus. Isolate fire area. Evacuate downwind residents. Do not breathe smoke or vapours generated. Use waterfog to cool intact containers and nearby storage areas.

Section 6. ACCIDENTAL RELEASE MEASURES

Emergency procedures / Material and methods for containment and cleanup procedures: For good hygiene practices, wear protective equipment to prevent skin contamination. Contain spill. Prevent contamination of drains and waterways. Collect and seal in properly labelled containers for disposal or re-use. Reclaimed material can still be used as a fertilizer in this form unless contaminated with other chemicals. Wash down area with excess water. Do not contaminate streams, rivers or water courses. Spilled product can be diluted with large quantities of water and used as a fertilizer.

Section 7. HANDLING AND STORAGE

Precautions for safe handling: Use good hygiene practises by wearing gloves and goggles or face shield to avoid splashing onto skin or eyes. Wash hands after use.

Conditions for safe storage: Not classified as a Dangerous Good. This product is a not a schedule poison. Store in the closed, original container in a well ventilated area. Do not re-use container for any purpose.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure Guidelines:**

No exposure limits have been established for this product by ASCC. A general exposure limit for mists of 245 mg/m³ is not expected to be reached under normal use conditions.

Biological Limit Values:

No biological limit allocated.

Engineering Controls:

Keep containers closed when not in use. No special engineering controls are required for normal use.

Personal Protective Equipment (PPE):

Eye Protection: Where potential for splash exists wear chemical protective goggles or a face shield.

Skin: Use normal hygiene practises when opening the container and using the product, by wearing cotton overalls and rubber or PVC gloves. Wash hands after use.

Respiratory Protection: Generally not required.



Section 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------------------|----------------------------|
| Appearance: | Dark brown liquid. |
| Odour: | Moderate odour. |
| Boiling point: | No data available. |
| Freezing point: | No data available. |
| Specific Gravity: | 1.13 to 1.19 g/mL @ 20 °C. |
| Solubility in Water: | soluble. |
| pH: | 6 - 6.5. |
| Flammability: | Not flammable. |
| Flashpoint (°C): | Not flammable. |
| Flammability Limits (%): | Not applicable. |
| Poisons Schedule: | Not a scheduled poison. |

Section 10. STABILITY AND REACTIVITY

Chemical Stability: Product is considered stable.

Conditions to Avoid: Oxidising agents and acids.

Incompatible Materials: Incompatible with oxidising agents (eg. peroxides) and acids (eg. hydrochloric acid).

Hazardous Decomposition Products: If involved in a fire, product will not burn until the water boils off. The remaining solid may emit fumes containing toxic compounds.

Hazardous Reactions: No special considerations.

Section 11. TOXICOLOGICAL INFORMATION***Potential Health Effects:***

To the best of our knowledge, the physical, chemical and toxicological properties of this substance have not yet been thoroughly investigated.

ACUTE EFFECTS

Swallowed: Low toxicity. Acute oral LD₅₀ is estimated at greater than 5050 mg/kg. Ingestion of very large amounts may cause diarrhoea, nausea, vomiting and cramps.

Eye: May to be irritating to the eyes.

Skin: Low toxicity. Acute dermal LD₅₀ is estimated at greater than 5,000 mg/kg. May cause mild skin irritation.

Inhaled: Low toxicity. Acute toxicity > 2.08 mg/L/4 hours (highest concentration attainable).

Long Term Exposure: None known effects.

Section 12. ECOLOGICAL INFORMATION

Environmental Toxicology: Avoid contaminating waterways. Fertilisers, particularly those containing nitrogen and/or phosphorus, can stimulate weed and algal growth in static surface waters. Nitrogen fertilisers may contain or form nitrate which can contaminate surface and ground-water. High nitrate concentrations may render the water unsuitable for human and livestock consumption



Section 13. DISPOSAL CONSIDERATIONS

Spills and Disposal: Persons involved in cleanup should use normal hygiene practises when cleaning up spills - see section 8. In case of spillage contain material. Keep material out of streams and sewers. Vacuum, shovel or pump waste into an approved drum. Dispose of drummed wastes, including decontamination solution, in accordance with the requirements of Local or State Waste Management Authorities.

Section 14. TRANSPORT INFORMATION

This product is not classified as a Dangerous Good.

Section 15. REGULATORY INFORMATION

Under the Standard for Uniform Scheduling of Drugs and Poisons (SUSDP), this product is not a scheduled poison.

This product is not classified as a Hazardous Substance under the criteria of ASCC.

This product is not classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Section 16. OTHER INFORMATION

Issue Date: 8 April 2010. (Updated address and telephone information).

Key to abbreviations and acronyms used in this MSDS:

ADG Code = Australian Dangerous Goods Code (for the transport of dangerous goods by Road and Rail).

ASCC = Australian Safety & Compensation Council (formally known as the National Occupational Health & Safety Commission (NOHSC)).

PPE = Personal protective equipment.

References

1. "Search Hazardous Substances". Australian Safety and Compensation Council website. (2008).
2. "Approved Criteria for Classifying Hazardous Substances" 3rd Ed. NOHSC Australia. [NOHSC:1008 (2004)]. October 2004.

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

End MSDS

