

Intermediate GHS-ANSI Format. This Material Safety Data Sheet conforms to the requirements of ANSI Z400.1. - Canada

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# Safety Data Sheet

## YaraVita Hydromag

### 1. Product and company identification

Product name : YaraVita Hydromag  
Product type : Liquid  
Code : PYP58M

#### Uses

Area of application : Professional applications  
Material uses : Fertilizers.

#### Supplier

Supplier's details : Yara Canada Inc.

#### Address

Street : 1130 Sherbrooke Street West  
Number : Suite 1120  
Postal code : H3A 2M8  
City : Montreal  
Country : Canada

Telephone number : +1 514 849 9222  
Fax no. : +1 514 849 3362  
e-mail address of person responsible for this SDS : yna-hesq@yara.com  
Emergency telephone number (with hours of operation) : 24 Hour Emergency Service, (Canutec 613-996-6666)

#### National advisory body/Poison Center

Name : Poisons and Drug Information Service  
Telephone number : +1 403 944 1414, (800) 332 1414 (Alberta only)

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### 2. Hazards identification

#### Emergency overview

Physical state : Liquid

- Color** : LightBrown.
- Hazard statements** : NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.
- Precautionary measures** : Avoid contact with eyes. Wash thoroughly after handling.

**GHS label elements**

**Signal word** : No signal word.

**Hazard statements** : Not applicable.

**Potential acute health effects**

- Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Ingestion** : No known significant effects or critical hazards.
- Skin** : No known significant effects or critical hazards.
- Eyes** : Moderately irritating to eyes.

**Potential chronic health effects**

- Chronic effects** : No known significant effects or critical hazards.
- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.
- Target organs** : Not available.

**Medical conditions aggravated by over-exposure** : None known.

See toxicological information (section 11)

**3. Composition/information on ingredients**

<u>Name</u>	<u>CAS number</u>	<u>%</u>
2-Propenoic acid, homopolymer, sodium salt	9003-04-7	>=2 - <3

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

**4. First aid measures**

- Eye contact** : Rinse with plenty of running water. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Skin contact** : Wash with soap and water. Get medical attention if irritation develops.
- Inhalation** : Avoid inhalation of vapor, spray or mist. If inhaled, remove to fresh air. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.
- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. In case of inhalation of

decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

## 5. Fire-fighting measures

**Flammability of the product** : In a fire or if heated, a pressure increase will occur and the container may burst.

### Extinguishing media

**Suitable** : Use an extinguishing agent suitable for the surrounding fire.

**Not suitable** : None identified.

**Special exposure hazards** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides  
metal oxide/oxides  
Avoid breathing dusts, vapors or fumes from burning materials.  
In case of inhalation of decomposition products in a fire, symptoms may be delayed.  
ammonia

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**Special remarks on fire hazards** : Non-flammable.

**Special remarks on explosion hazards** : None.

## 6. Accidental release measures

**Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods for cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages

into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7. Handling and storage

- Handling** :
- Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. See also Section 8 for additional information on hygiene measures.
- Storage** :
- Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. Exposure controls/personal protection

### Occupational exposure limits

No exposure standard allocated.

Consult local authorities for acceptable exposure limits.

- Engineering measures** :
- Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Hygiene measures** :
- Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Wash contaminated clothing before reusing. A washing facility or water for eye and skin cleaning purposes should be present.

### Personal protection

- Respiratory** :
- Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Hands** :
- Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Eyes** :
- Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. chemical splash goggles.

<b>Skin</b>	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<b>Environmental exposure controls</b>	:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9. Physical and chemical properties

<b>Physical state</b>	:	Liquid
<b>Flash point</b>	:	Not determined.
<b>Burning time</b>	:	Not determined.
<b>Burning rate</b>	:	Not determined.
<b>Auto-ignition temperature</b>	:	Not determined.
<b>Flammable limits</b>	:	<b>Lower:</b> Not determined. <b>Upper:</b> Not determined.
<b>Explosive properties</b>	:	None.
<b>Oxidizing properties</b>	:	None.
<b>Color</b>	:	LightBrown.
<b>Odor</b>	:	Not determined.
<b>pH</b>	:	10.5 [Conc.: 100 g/l]
<b>Boiling/condensation point</b>	:	Not determined.
<b>Sublimation temperature</b>	:	Not determined.
<b>Melting/freezing point</b>	:	-7 °C (19.40 °F)
<b>Density</b>	:	1.498 g/cm <sup>3</sup> @ 20 °C (68.00 °F)
<b>Relative density</b>	:	Not determined.
<b>Vapor pressure</b>	:	Not determined.
<b>Odor threshold</b>	:	Not determined.
<b>Evaporation rate</b>	:	Not determined.
<b>Viscosity</b>	:	<b>Dynamic:</b> 2,200 - 2,700 mPa.s @ 20 °C (68.00 °F)
	:	<b>Kinematic:</b> Not determined.
<b>Solubility</b>	:	Not determined.

## 10. Stability and reactivity

<b>Chemical stability</b>	:	The product is stable.
<b>Conditions to avoid</b>	:	Avoid contamination by any source including metals, dust and organic materials.
<b>Incompatible materials</b>	:	Urea reacts with calcium hypochlorite or sodium hypochlorite to form the explosive nitrogen trichloride.
<b>Hazardous decomposition products</b>	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
<b>Possibility of hazardous reactions</b>	:	Under normal conditions of storage and use, hazardous reactions will not occur.

## 11. Toxicological information

### Information on toxicological effects

**Acute toxicity**

Product / ingredient name	Result	Species	Dose	Exposure	References
2-Propenoic acid, homopolymer, sodium salt					
	LD50 Oral	Rat	> 40,000 mg/kg	-	PSTGAW 20,16,1953

**Conclusion/Summary** : No known significant effects or critical hazards.

**Chronic toxicity**

**Conclusion/Summary** : No known significant effects or critical hazards.

**Irritation/Corrosion**

Product / ingredient name	Result	Species	Score	Exposure	Observation	References
2-Propenoic acid, homopolymer, sodium salt	Eyes - Moderate irritant	Rabbit			-	

**Conclusion/Summary**

**Skin** : No known significant effects or critical hazards.

**Eyes** : **May cause eye irritation.**

**Respiratory** : No known significant effects or critical hazards.

**Sensitization****Conclusion/Summary**

**Skin** : No known significant effects or critical hazards.

**Respiratory** : No known significant effects or critical hazards.

**Carcinogenicity**

**Conclusion/Summary** : No known significant effects or critical hazards.

**Mutagenicity**

**Conclusion/Summary** : No known significant effects or critical hazards.

**Teratogenicity**

**Conclusion/Summary** : No known significant effects or critical hazards.

**Reproductive toxicity**

**Conclusion/Summary** : No known significant effects or critical hazards.

**IDLH** : No data available.

**12. Ecological information**

**Ecotoxicity** : No known significant effects or critical hazards.

**Aquatic ecotoxicity**

	Acute LC50 > 200 mg/l Fresh water	Fish	96 h	
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**Conclusion/Summary** : No known significant effects or critical hazards.

**Persistence/degradability**

**Conclusion/Summary** : No known significant effects or critical hazards.

**Partition coefficient: n-octanol/water** : Not available.

**Mobility** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

**13. Disposal considerations****Product**

**Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.**

**14. Transport information**

<b>Regulation: UN Class</b>	
<b>14.1 UN number</b>	Not regulated.
<b>14.2 UN proper shipping name</b>	Not applicable.
<b>14.3 Transport hazard class(es)</b>	Not applicable.
<b>14.4 Packing group</b>	Not applicable.
<b>14.5 Environmental hazards</b>	No.
<b>Additional information</b> <b><u>Environmental hazards</u></b>	: No.

<b>Regulation: IMDG</b>	
<b>14.1 UN number</b>	Not regulated.

<b>14.2 UN proper shipping name</b>	Not applicable.
<b>14.3 Transport hazard class(es)</b>	Not applicable.
<b>14.4 Packing group</b>	Not applicable.
<b>14.5 Environmental hazards</b>	No.
<b>Additional information</b>	
<b><u>Marine pollutant</u></b>	: No.

<b>Regulation: IATA</b>	
<b>14.1 UN number</b>	Not regulated.
<b>14.2 UN proper shipping name</b>	Not applicable.
<b>14.3 Transport hazard class(es)</b>	Not applicable.
<b>14.4 Packing group</b>	Not applicable.
<b>14.5 Environmental hazards</b>	No.
<b>Additional information</b>	
<b><u>Marine pollutant</u></b>	: No.

<b>Regulation: DOT Classification</b>	
<b>14.1 UN number</b>	Not regulated.
<b>14.2 UN proper shipping name</b>	Not applicable.
<b>14.3 Transport hazard class(es)</b>	Not applicable.
<b>14.4 Packing group</b>	Not applicable.
<b>14.5 Environmental hazards</b>	No.
<b>Additional information</b>	
<b><u>Marine pollutant</u></b>	:

<b>Regulation: TDG Class</b>	
<b>14.1 UN number</b>	Not regulated.
<b>14.2 UN proper shipping name</b>	Not applicable.
<b>14.3 Transport hazard class(es)</b>	Not applicable.
<b>14.4 Packing group</b>	Not applicable.
<b>14.5 Environmental hazards</b>	No.
<b>Additional information</b>	
<b><u>Environmental hazards</u></b>	: No.

**Special precautions for user** : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**IMSBC** : Not applicable.

**Transport in bulk according to Annex II of MARPOL** : Not available.



73/78 and the IBC Code**15.Regulatory information**Canada

WHMIS (Canada) : Class D-2B: Material causing other toxic effects (Toxic).

Canadian lists

Canadian NPRI : None of the components are listed.  
 CEPA Toxic substances : None of the components are listed.  
 Canada inventory (DSL and NDSL) : All components are listed or exempted.

**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.**

Remark : To our knowledge no other country or state specific regulations are applicable.

International lists

New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.

China inventory (IECSC): All components are listed or exempted.

Canada inventory (DSL and NDSL): All components are listed or exempted.

EC INVENTORY (EINECS/ELINCS): All components are listed or exempted.

**16.Other information**

Key to abbreviations : ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 bw = Body weight  
 CEPA = Canadian Environmental Protection Act  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IDLH = Immediately Dangerous to Life or Health  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 NPRI = National Pollutant Release Inventory  
 UN = United Nations

References : EU REACH IUCLID5 CSR.  
 National Institute for Occupational Safety and Health, U.S. Dept. of Health, Education, and Welfare, Reports and Memoranda Registry of Toxic Effects of Chemical Substances.  
 IHS, 4777 Levy Street, St Laurent, Quebec HAR 2P9, Canada.

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|| Indicates information that has changed from previously issued version.

Notice to reader

**To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness**

**of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.**