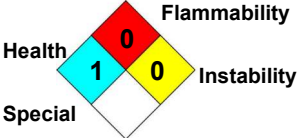





Material Safety Data Sheet

NFPA	HMIS	WHMIS	TDG	DOT								
	<table border="1"> <tr><td>Health</td><td>1</td></tr> <tr><td>Flammability</td><td>0</td></tr> <tr><td>Physical hazards</td><td>0</td></tr> <tr><td>Suggested PPE</td><td>E</td></tr> </table>	Health	1	Flammability	0	Physical hazards	0	Suggested PPE	E			
Health	1											
Flammability	0											
Physical hazards	0											
Suggested PPE	E											

1 . Product and Company Identification

Product name	14112 Ultra Yield Manganese BroadMan 20		
Synonym	Micronutrient mix	MSDS prepared by the Environment, Health & Safety Department on:	6/26/2009.
Material uses	Agricultural industry: Soil additive, micronutrient mix	Version	1
MSDS Number	14112	<u>In Case of Emergency</u>	
Manufacturer	Agrium Advanced Technologies (U.S.), Inc. 2405 West Vassar Road (M-15) Reese, MI 48757	For more information on Agrium AT or our products, please go to: http://www.agriumat.com or contact us at Toll-Free:800-461-6471	

2 . Hazards Identification

Physical state	Solid.
OSHA/HCS status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
<u>Potential acute health effects</u>	
Inhalation	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Ingestion	May cause irritation to the digestive tract if swallowed.
Skin	May cause skin irritation.
Eyes	May irritate the eyes upon contact.
<u>Potential chronic health effects</u>	
Chronic effects	Contains material that may cause target organ damage, based on animal data.
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	Contains material which may cause damage to the following organs: blood, kidneys, lungs, upper respiratory tract, skin, eyes, central nervous system (CNS).

2 . Hazards Identification

Over-exposure signs/symptoms

Inhalation	No specific data.
Ingestion	No specific data.
Skin	No specific data.
Eyes	No specific data.
Medical conditions aggravated by over-exposure	Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

See toxicological information (section 11)

3 . Composition / Information on Ingredients

United States

<u>Name</u>	<u>CAS number</u>	<u>%</u>
manganese sulfate, monohydrate	10034-96-5	15 - 40
manganese oxide	1344-43-0	10 - 30
diiron trioxide	1309-37-1	10 - 30
manganese dioxide	1313-13-9	5 - 10
urea	57-13-6	0.99 - 4.98

Canada

<u>Name</u>	<u>CAS number</u>	<u>%</u>
manganese sulfate, monohydrate	10034-96-5	15 - 40
manganese oxide	1344-43-0	10 - 30
diiron trioxide	1309-37-1	10 - 30
manganese dioxide	1313-13-9	5 - 10
urea	57-13-6	0.99 - 4.98

Mexico

<u>Name</u>	<u>CAS number</u>	<u>UN number</u>	<u>%</u>	<u>IDLH</u>	<u>Classification</u>			
					<u>H</u>	<u>F</u>	<u>R</u>	<u>Special</u>
manganese sulfate, monohydrate	10034-96-5	Not available.	15 - 40	500 mg/m ³	0	0	0	
manganese oxide	1344-43-0	Not available.	10 - 30	500 mg/m ³	0	0	0	
diiron trioxide	1309-37-1	Not available.	10 - 30	2500 mg/m ³	0	0	0	
manganese dioxide	1313-13-9	Not available.	5 - 10	500 mg/m ³	0	0	0	

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	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
Skin contact	Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation develops. Wash hands after handling.
Inhalation	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
Ingestion	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
Notes to physician	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	No specific fire or explosion hazard.
<u>Extinguishing media</u>	
Suitable	Use an extinguishing agent suitable for the surrounding fire.
Not suitable	None known.
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 sulfur oxides metal oxide/oxides
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.

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. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
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6 . Accidental Release Measures

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 Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large spill Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. 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. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. 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.

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

United States

Ingredient	Exposure limits
manganese sulfate, monohydrate	<p>OSHA PEL 1989 (United States, 3/1989). CEIL: 5 mg/m³, (as Mn)</p> <p>OSHA PEL (United States, 11/2006). CEIL: 5 mg/m³, (as Mn)</p> <p>ACGIH TLV (United States, 1/2008). TWA: 0.2 mg/m³, (as Mn) 8 hour(s).</p> <p>NIOSH REL (United States, 6/2008). STEL: 3 mg/m³, (as Mn) 15 minute(s). Form: Fume TWA: 1 mg/m³, (as Mn) 10 hour(s). Form: Fume</p>
manganese oxide	<p>OSHA PEL 1989 (United States, 3/1989). CEIL: 5 mg/m³, (as Mn)</p> <p>OSHA PEL (United States, 11/2006). CEIL: 5 mg/m³, (as Mn)</p> <p>ACGIH TLV (United States, 1/2008). TWA: 0.2 mg/m³, (as Mn) 8 hour(s).</p> <p>NIOSH REL (United States, 6/2008). TWA: 1 mg/m³, (as Mn) 10 hour(s). Form: Fume STEL: 3 mg/m³, (as Mn) 15 minute(s). Form: Fume</p>
diiron trioxide	<p>ACGIH TLV (United States, 1/2008).</p>

8 . Exposure Controls / Personal Protection

manganese dioxide	<p>TWA: 5 mg/m³ 8 hour(s). Form: Respirable fraction NIOSH REL (United States, 6/2008). TWA: 5 mg/m³, (as Fe) 10 hour(s). Form: Dust and fumes OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m³ 8 hour(s). Form: Respirable fraction TWA: 10 mg/m³ 8 hour(s). Form: Total dust STEL: 10 ppm, (as Fe) 15 minute(s). Form: Total particulates OSHA PEL (United States, 11/2006). TWA: 10 mg/m³ 8 hour(s). OSHA PEL 1989 (United States, 3/1989). CEIL: 5 mg/m³, (as Mn) OSHA PEL (United States, 11/2006). CEIL: 5 mg/m³, (as Mn) ACGIH TLV (United States, 1/2008). TWA: 0.2 mg/m³, (as Mn) 8 hour(s). NIOSH REL (United States, 6/2008). TWA: 1 mg/m³, (as Mn) 10 hour(s). Form: Fume STEL: 3 mg/m³, (as Mn) 15 minute(s). Form: Fume</p>
urea	<p>AIHA WEEL (United States, 1/2008). TWA: 10 mg/m³ 8 hour(s).</p>

Canada

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling			Notations
Ingredient	List name	ppm	mg/m ³	Other	ppm	mg/m ³	Other	ppm	mg/m ³	Other	
manganese sulfate, monohydrate, as Mn	US ACGIH 1/2008	-	-	0.2	-	-	-	-	-	-	
manganese sulfate, monohydrate, as manganese sulfate, monohydrate, as Mn	AB 6/2008	-	-	1	-	-	-	-	-	-	
	BC 6/2008	-	-	0.2	-	-	-	-	-	-	
	ON 6/2008	-	-	0.2	-	-	-	-	-	-	
manganese oxide, as manganese	QC 6/2008	-	-	5	-	-	-	-	-	-	[a]
	US ACGIH 1/2008	-	-	0.2	-	-	-	-	-	-	
manganese oxide, as Mn	AB 6/2008	-	-	1	-	-	-	-	-	-	
	BC 6/2008	-	-	0.2	-	-	-	-	-	-	
	ON 6/2008	-	-	0.2	-	-	-	-	-	-	
diiron trioxide	QC 6/2008	-	-	5	-	-	-	-	-	-	[a]
	US ACGIH 1/2008	-	-	5	-	-	-	-	-	-	[b]
	AB 6/2008	-	-	5	-	-	-	-	-	-	[c]
diiron trioxide, as Fe	-	-	-	10	-	-	-	-	-	-	
	BC 6/2008	-	-	5	-	-	-	-	-	-	[d]
	-	-	-	5	-	10	-	-	-	-	[e]
diiron trioxide	-	-	-	3	-	-	-	-	-	-	[f]
	-	-	-	10	-	-	-	-	-	-	[g]
	ON 6/2008	-	-	5	-	-	-	-	-	-	[h]
diiron trioxide, as Fe	-	-	-	10	-	-	-	-	-	-	[i]
	QC 6/2008	-	-	5	-	-	-	-	-	-	[j]
	US ACGIH 1/2008	-	-	0.2	-	-	-	-	-	-	
manganese dioxide, as manganese	AB 6/2008	-	-	1	-	-	-	-	-	-	
	BC 6/2008	-	-	0.2	-	-	-	-	-	-	
	ON 6/2008	-	-	0.2	-	-	-	-	-	-	
manganese dioxide, as Mn	QC 6/2008	-	-	5	-	-	-	-	-	-	[a]
	US AIHA 1/2008	-	-	10	-	-	-	-	-	-	

Form: [a]Total dust. [b]Respirable fraction [c]Dust and fumes [d]Dust [e]Fume [f]Respirable dust [g]Total dust [h]The notation "respirable" following the name of an agent in this Schedule means that size fraction of the airborne particulate deposited in the gas-exchange region of the respiratory tract and collected during air sampling with a particle size-selective device that, (a) meets the American Conference of Governmental Industrial Hygienists (ACGIH) particle size-selective criteria; and (b) has the cut point of 4 microns at 50 per cent collective efficiency. [i]total dust [j]dust and fume

8 . Exposure Controls / Personal Protection

Mexico Ingredient	Exposure limits
manganese sulfate, monohydrate	ACGIH TLV (United States, 1/2008). TWA: 0.2 mg/m ³ , (as Mn) 8 hour(s).
manganese oxide	NOM-010-STPS (Mexico, 9/2000). LMPE-PPT: 0.2 mg/m ³ , (as Mn) 8 hour(s).
diiron trioxide	NOM-010-STPS (Mexico, 9/2000). LMPE-CT: 10 mg/m ³ , (as Fe) 15 minute(s).
manganese dioxide	NOM-010-STPS (Mexico, 9/2000). LMPE-PPT: 5 mg/m ³ , (as Fe) 8 hour(s). NOM-010-STPS (Mexico, 9/2000). LMPE-PPT: 0.2 mg/m ³ , (as Mn) 8 hour(s).

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Engineering measures

If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

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. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

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.

Skin

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.

Environmental exposure controls

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

Physical state Solid.

10 . Stability and Reactivity

Chemical stability The product is stable.

Possibility of hazardous reactions Under normal conditions of storage and use, hazardous reactions will not occur.

Hazardous polymerization Under normal conditions of storage and use, hazardous polymerization will not occur.

Conditions to avoid No specific data.

Materials to avoid No specific data.

Hazardous decomposition products Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 . Toxicological Information

United States

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
manganese sulfate, monohydrate	TDLo	Rat	4.5 mg/kg	-
	Intravenous			
manganese dioxide	LD50 Oral	Rat	3478 mg/kg	-
	LDLo	Rat	50 mg/kg	-
	Intratracheal			
urea	LD50	Rat	567 mg/kg	-
	Intratracheal			
	LD50 Oral	Rat	8471 mg/kg	-

Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
diiron trioxide	A4	3	-	-	-	-

Canada

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
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11 . Toxicological Information

manganese sulfate, monohydrate	TDLo Intravenous	Rat	4.5 mg/kg	-
manganese dioxide	LD50 Oral	Rat	3478 mg/kg	-
	LDLo Intratracheal	Rat	50 mg/kg	-
urea	LD50 Intratracheal	Rat	567 mg/kg	-
	LD50 Oral	Rat	8471 mg/kg	-

Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
diiron trioxide	A4	3	-	-	-	-

Mexico

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
manganese sulfate, monohydrate	TDLo Intravenous	Rat	4.5 mg/kg	-
	manganese dioxide	LD50 Oral	Rat	3478 mg/kg
LDLo Intratracheal		Rat	50 mg/kg	-

Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
diiron trioxide	A4	3	-	-	-	-

12 . Ecological Information

Environmental effects No known significant effects or critical hazards.

United States

Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
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12 . Ecological Information

urea	-	Acute LC50 66800 to 70500 ug/L Fresh water	Fish - Rohu - Labeo rohita - Egg	96 hours
	-	Acute LC50 22500 ug/L	Fish - Mozambique tilapia - Tilapia mossambica	96 hours

Canada

Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
urea	-	Acute LC50 66800 to 70500 ug/L Fresh water	Fish - Rohu - Labeo rohita - Egg	96 hours
	-	Acute LC50 22500 ug/L	Fish - Mozambique tilapia - Tilapia mossambica	96 hours

Mexico


13 . Disposal Considerations

Waste disposal The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. 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

Regulatory information	UN number	Shipping name	Classes	PG*	Label	Additional information
DOT Classification	Not available.	Not available.	Not available.	-		-
TDG Classification	Not available.	Not available.	Not available.	-		-
Mexico Classification	Not available.	Not available.	Not available.	-		-

14 . Transport Information

PG* : Packing group

15 . Regulatory InformationUnited States**HCS Classification** Target organ effects**U.S. Federal regulations** TSCA 4(a) final test rules: biuret; Urea, reaction products with formaldehyde
United States inventory (TSCA 8b): All components are listed or exempted.
TSCA 12(b) one-time export: biuret; Urea, reaction products with formaldehyde**SARA 302/304/311/312 extremely hazardous substances:** No products were found.**SARA 302/304 emergency planning and notification:** No products were found.**SARA 302/304/311/312 hazardous chemicals:** manganese dioxide; diiron trioxide; urea**SARA 311/312 MSDS distribution - chemical inventory - hazard identification:**
manganese dioxide: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard; diiron trioxide: Delayed (chronic) health hazard; urea: Immediate (acute) health hazard, Delayed (chronic) health hazard**Clean Water Act (CWA) 307:** No products were found.**Clean Water Act (CWA) 311:** iron(ii) sulfate heptahydrate**Clean Air Act (CAA) 112 accidental release prevention:** No products were found.**Clean Air Act (CAA) 112 regulated flammable substances:** No products were found.**Clean Air Act (CAA) 112 regulated toxic substances:** No products were found.**Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)** Listed**Clean Air Act Section 602 Class I Substances** Listed**Clean Air Act Section 602 Class II Substances** Not listed**DEA List I Chemicals (Precursor Chemicals)** Not listed**DEA List II Chemicals (Essential Chemicals)** Not listedSARA 313

	<u>Product name</u>	<u>CAS number</u>	<u>Concentration</u>
Form R - Reporting requirements	manganese oxide	1344-43-0	10 - 30
	manganese dioxide	1313-13-9	5 - 10
Supplier notification	manganese oxide	1344-43-0	10 - 30
	manganese dioxide	1313-13-9	5 - 10

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

15 . Regulatory Information

State regulations

Connecticut Carcinogen Reporting: None of the components are listed.
Connecticut Hazardous Material Survey: None of the components are listed.
Florida substances: None of the components are listed.
Illinois Chemical Safety Act: None of the components are listed.
Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
Louisiana Reporting: None of the components are listed.
Louisiana Spill: None of the components are listed.
Massachusetts Spill: None of the components are listed.
Massachusetts Substances: The following components are listed: IRON OXIDE DUST
Michigan Critical Material: None of the components are listed.
Minnesota Hazardous Substances: None of the components are listed.
New Jersey Hazardous Substances: The following components are listed: MANGANESE compounds, n.o.s.; MANGANESE compounds, n.o.s.; IRON OXIDE FUME; MANGANESE DIOXIDE
New Jersey Spill: None of the components are listed.
New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
New York Acutely Hazardous Substances: None of the components are listed.
New York Toxic Chemical Release Reporting: None of the components are listed.
Pennsylvania RTK Hazardous Substances: The following components are listed: MANGANESE COMPOUNDS; MANGANESE COMPOUNDS; IRON OXIDE (FE2O3); MANGANESE COMPOUNDS
Rhode Island Hazardous Substances: None of the components are listed.

United States inventory (TSCA 8b)

All components are listed or exempted.

Canada

WHMIS (Canada)

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

Canadian lists

CEPA Toxic substances: None of the components are listed.
Canadian ARET: None of the components are listed.
Canadian NPRI: The following components are listed: Manganese; Manganese; Manganese
Alberta Designated Substances: None of the components are listed.
Ontario Designated Substances: None of the components are listed.
Quebec Designated Substances: None of the components are listed.

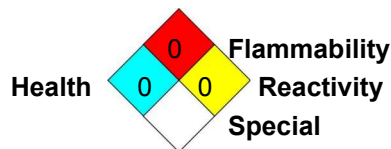
Canada inventory

At least one component is not listed in DSL but all such components are listed in NDSL.

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.

Mexico

Classification



EU regulations

15 . Regulatory Information

Hazard symbol or symbols



Risk phrases

R48/20/22- Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases

S2- Keep out of the reach of children.
S29- Do not empty into drains.
S46- If swallowed, seek medical advice immediately and show this container or label.
S61- Avoid release to the environment. Refer to special instructions/safety data sheet.

International regulations

International lists

Australia inventory (AICS): All components are listed or exempted.
China inventory (IECSC): Not determined.
Japan inventory (ENCS): Not determined.
Japan inventory (ISHL): Not determined.
Korea inventory (KECI): All components are listed or exempted.
New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.
Philippines inventory (PICCS): Not determined.

Chemical Weapons
Convention List
Schedule I Chemicals

Not listed

Chemical Weapons
Convention List
Schedule II Chemicals

Not listed

Chemical Weapons
Convention List
Schedule III Chemicals

Not listed

16 . Other information

Label requirements

CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA.

Hazardous Material
Information System
(U.S.A.)

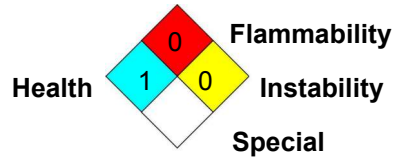
Health	1
Flammability	0
Physical hazards	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material. Suggested protective clothing might not be adequate. Consult a specialist before handling this product.

16 . Other information

National Fire Protection
Association (U.S.A.)



Date of issue 6/26/2009.

Version 1

▣ Indicates information that has changed from previously issued version.

Notice to Reader:

The buyer assumes all risk in connection with the use of this material. The buyer assumes all responsibility for ensuring this material is used in a safe manner in compliance with applicable environmental, health and safety laws, policies and guidelines. Agrium Inc. assumes no responsibility or liability for the information supplied on this sheet, including any damages or injury caused thereby. Agrium Inc. does not warrant the fitness of this material for any particular use and assumes no responsibility for injury or damage caused directly or indirectly by or related to the use of the material. The information contained in this sheet is developed from what Agrium Inc. believes to be accurate and reliable sources, and is based on the opinions and facts available on the date of preparation.