

SAFETY DATA SHEET

1. Identification

1. Identification						
Product identifier	HYDREXX® Nitrogen Stabilizer					
Other means of identification						
Product number	KAS_Hydrexx_CA_EN					
Synonyms	HYDREXX®					
Recommended use	Fertilizer Additive.					
Recommended restrictions	None known.					
Manufacturer/Importer/Supplier	Supplier/Distributor information					
Manufacturer/Supplier	Koch Agronomic Services, LLC					
	4111 E 37th St N					
	Wichita, KS 67220 US					
	kochmsds@kochind.com					
	1.866.863.5550					
Emergency	For Chemical Emergency					
	Call CHEMTREC day or night					
	USA/Canada - 1.800.424.9300					
	Mexico - 1.800.681.9531					
	Outside USA/Canada - 1.703.527.3887					
	(collect calls accepted)					
2. Hazard identification						
Physical hazards	Combustible dusts	Category 1				
Health hazards	Serious eye damage/eye irritation	Category 1				
	Reproductive toxicity	Category 1B				
Label elements						
Signal word	Danger					
Hazard statement	May form combustible dust concentrations in air. Causes serious eye damage. May damage fertility or the unborn child.					
Precautionary statement						
Prevention	and understood. Prevent dust accumulation to hot surfaces, sparks, open flames and other i	t handle until all safety precautions have been read o minimize explosion hazard. Keep away from heat, gnition sources. No smoking. Keep container tightly ving equipment. Wear protective gloves/protective rve good industrial hygiene practices.				
Response	IF IN EYES: Rinse cautiously with water for s and easy to do. Continue rinsing. Immediately	everal minutes. Remove contact lenses, if present v call a POISON CENTRE/doctor. Take off				

hazard. Keep away from heat, smoking. Keep container tightly ar protective gloves/protective ygiene practices. nove contact lenses, if present SON CENTRE/doctor. Take off rinsing. Immediately call a POI contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish. Storage Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. Disposal Other hazards None known. Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%	
Dicyandiamide		461-58-5	60 - 100	
Non hazardous component		Proprietary	5 - 10	
N-(n-butyl)-thiophosphoric triamide		94317-64-3	1 - 5	
N-methyl-2-pyrrolidone		872-50-4	1 - 5	
Non hazardous dye		Proprietary	< 1	
#: This substance has workplace e	xposure limit(s).			
Composition comments	All concentrations are in percent by weight un percent by volume. This Safety Data Sheet is not a guarantee of on specified sales orders, customer invoices, supplier.	product specification or NPk	value(s). NPK conten	
4. First-aid measures				
nhalation	Move to fresh air. Call a physician if symptom	s develop or persist.		
Skin contact	Wash off with soap and water. Get medical at	tention if irritation develops	and persists.	
Eye contact	Do not rub eyes. Immediately flush eyes with contact lenses, if present and easy to do. Cor			
ngestion	Rinse mouth. Get medical attention if sympton	-		
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Dusts may irritate the respiratory tract, skin and eyes.			
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and tree Symptoms may be delayed.	at symptomatically. Keep vio	tim under observation	
General information	IF exposed or concerned: Get medical advice (show the label where possible). Ensure that involved, and take precautions to protect then attendance.	medical personnel are awar	e of the material(s)	
5. Fire-fighting measures				
Suitable extinguishing media	Avoid high pressure media which could cause mixture. Water fog. Foam. Dry chemical powe carefully to avoid creating airborne dust.			
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as th	is will spread the fire.		
Specific hazards arising from the chemical	Explosion hazard: Avoid generating dust; fine in the presence of an ignition source is a pote hazardous to health may be formed.			
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full p	rotective clothing must be we	orn in case of fire.	
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathers so without risk.	e fumes. Move containers fro	om fire area if you can	
Specific methods	Use standard firefighting procedures and con	sider the hazards of other in	volved materials.	
General fire hazards	May form combustible dust concentrations in	air.		
6. Accidental release meas	sures			
Personal precautions,	Keep unnecessary personnel away. Keep per			

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Use only non-sparking tools. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Collect dust using a vacuum cleaner equipped with HEPA filter. This product is miscible in water. Stop the flow of material, if this is without risk.
	Large Spills: Wet down with water and dike for later disposal. Absorb in vermiculite, dry sand or earth and place into containers. Shovel the material into waste container. Following product recovery, flush area with water.
	Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Minimise dust generation and accumulation. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep away from heat/sparks/open flames/hot surfaces No smoking. Explosion-proof general and local exhaust ventilation. Do not get this material in contact with eyes. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Protect against direct sunlight. Store away from incompatible materials (see section 10 of the SDS). Long term storage at temperatures above 36°C (100°F), and long term storage of opened containers, will cause the product to degrade. As the product degrades, it can release harmful gases. Store below 36°C (100°F), and use opened containers within 30 days. Always use oldest stock first.

8. Exposure controls/personal protection

Occupational exposure limits ACGIH

ACGIH Components	Туре	Value	Form
Dust	TWA	10 mg/m3	Inhalable particles.
US. ACGIH Threshold Limit	Values		
Components	Туре	Value	Form
Dust	TWA	3 mg/m3	Respirable particles
Canada. Alberta OELs (Occi	upational Health & Safety Code, Sch	nedule 1, Table 2)	
Components	Туре	Value	Form
Dust	TWA	3 mg/m3	Respirable particles
Safety Regulation 296/97, as	,		
	· · ·	-	·
Safety Regulation 296/97, as	s amended)	s for Chemical Substances, C Value	Occupational Health and
Safety Regulation 296/97, as Components	s amended) Type	s for Chemical Substances, C	Occupational Health and Form
Safety Regulation 296/97, as Components Dust	s amended) Type TWA	s for Chemical Substances, C Value 3 mg/m3 10 mg/m3	Decupational Health and Form Respirable fraction.
Safety Regulation 296/97, as Components Dust	s amended) Type	s for Chemical Substances, C Value 3 mg/m3 10 mg/m3	Decupational Health and Form Respirable fraction.
Safety Regulation 296/97, as Components Dust Canada. Manitoba OELs (Re	s amended) Type TWA eg. 217/2006, The Workplace Safety	s for Chemical Substances, C Value 3 mg/m3 10 mg/m3 And Health Act)	Cocupational Health and Form Respirable fraction. Total dust. Form
Safety Regulation 296/97, as Components Dust Canada. Manitoba OELs (Re Components Dust	s amended) Type TWA eg. 217/2006, The Workplace Safety Type	s for Chemical Substances, C Value 3 mg/m3 10 mg/m3 And Health Act) Value 3 mg/m3	Cocupational Health and Form Respirable fraction. Total dust. Form
Safety Regulation 296/97, as Components Dust Canada. Manitoba OELs (Re Components Dust	s amended) Type TWA eg. 217/2006, The Workplace Safety Type TWA	s for Chemical Substances, C Value 3 mg/m3 10 mg/m3 And Health Act) Value 3 mg/m3	Occupational Health and Form Respirable fraction. Total dust.

	iy	ре	<u> </u>	/alue	Form
			1	0 mg/m3	Inhalable fraction.
N-methyl-2-pyrrolidone (CAS 872-50-4)	ΤV	VA	4	00 mg/m3	
Canada. Quebec OELs. (Components	(Ministry of Labor - Re Ty		-	health and sa alue	afety) Form
Dust	TV	VA	1	0 mg/m3	Total dust.
Canada. Saskatchewan	OFI s (Occupational F	lealth and Safety Re	nulations 19	96 Table 21)	
Components	Ту	•	-	alue	Form
Dust	15	minute	6	mg/m3	Respirable fraction.
			2	0 mg/m3	Inhalable fraction.
	8 h	nour	3	mg/m3	Respirable fraction.
			1	0 mg/m3	Inhalable fraction.
ACGIH Biological Expos ACGIH Biological Expos Components	Value	Determinant	Specimen	Sampling	Time
N-methyl-2-pyrrolidone (CAS 872-50-4)	100 mg/l	5-Hydroxy-N-m ethyl-2-pyrrolid one	Urine	*	
* - For sampling details, pl	lease see the source do	ocument.			
	maintain airborne	e levels below recomm			er engineering controls to
	sufficient to main limit), suitable res operation which r	tain concentrations of spiratory protection mu nay generate dusts, us	an acceptable dust particulat ist be worn. If se appropriate	e level. If engines below the Commercial is group	eering measures are not DEL (occupational exposure und, cut, or used in any
lividual protection measu Eye/face protection	sufficient to main limit), suitable res operation which r below the recomr res, such as personal	tain concentrations of spiratory protection mu nay generate dusts, us mended exposure limit	an acceptable dust particulat ist be worn. If se appropriate s.	e level. If engines below the Commercial is group	eering measures are not DEL (occupational exposure
Eye/face protection	sufficient to main limit), suitable res operation which r below the recomr res, such as personal	tain concentrations of spiratory protection munay generate dusts, un mended exposure limit protective equipmer	an acceptable dust particulat ist be worn. If se appropriate s.	e level. If engines below the Commercial is group	eering measures are not DEL (occupational exposure und, cut, or used in any
=	sufficient to main limit), suitable res operation which r below the recomr res, such as personal Chemical goggles	tain concentrations of spiratory protection mu- nay generate dusts, us mended exposure limit protective equipmer s are recommended.	an acceptable dust particulat ist be worn. If se appropriate s. nt	e level. If engin es below the C material is gro local exhaust	eering measures are not DEL (occupational exposure und, cut, or used in any
Eye/face protection Skin protection	sufficient to main limit), suitable res operation which r below the recomr res, such as personal Chemical goggles Risk of contact: V supplier.	tain concentrations of spiratory protection mu- nay generate dusts, us mended exposure limit protective equipmer s are recommended.	an acceptable dust particulat ist be worn. If se appropriate s. nt . Suitable glov	e level. If engin es below the C material is gro local exhaust	eering measures are not DEL (occupational exposure und, cut, or used in any ventilation to keep exposure
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Eye/face protection Skin protection Hand protection Other	sufficient to main limit), suitable res operation which r below the recomr res, such as personal Chemical goggles Risk of contact: V supplier. Chemical resistar If engineering cor limits (where app been established exposure concen dust, use suitable	tain concentrations of spiratory protection mu- nay generate dusts, us mended exposure limit protective equipmer s are recommended. Vear protective gloves at clothing is recommen- trols do not maintain licable) or to an accep), an approved respira trations are unknown.	an acceptable dust particulat ist be worn. If se appropriate s. nt . Suitable glow inded. airborne conce table level (in tor must be w In case of ina it with particle	e level. If engin es below the C material is grou local exhaust res can be reco entrations belo countries when orn. Wear air s dequate ventila filter.	eering measures are not DEL (occupational exposure und, cut, or used in any ventilation to keep exposure ommended by the glove w recommended exposure re exposure limits have not upplied respiratory protectio
Eye/face protection Skin protection Hand protection Other Respiratory protection Thermal hazards neral hygiene	sufficient to main limit), suitable res operation which r below the recomr res, such as personal Chemical goggles Risk of contact: V supplier. Chemical resistar If engineering cor limits (where app been established exposure concen dust, use suitable Wear appropriate Always observe g and before eating	tain concentrations of spiratory protection mu- nay generate dusts, us mended exposure limit protective equipmer is are recommended. Wear protective gloves int clothing is recommen- htrols do not maintain licable) or to an accep), an approved respirat trations are unknown. e respiratory equipmer e thermal protective clo good personal hygiene g, drinking, and/or smo	an acceptable dust particulat ist be worn. If se appropriate s. nt . Suitable glow anded. airborne conce table level (in tor must be w In case of ina it with particle othing, when n measures, su king. Routinel	e level. If engin es below the C material is grou local exhaust res can be reco countries when orn. Wear air s dequate ventila filter. ecessary. uch as washing y wash work c	eering measures are not DEL (occupational exposure und, cut, or used in any ventilation to keep exposure ommended by the glove w recommended exposure re exposure limits have not upplied respiratory protection ation or risk of inhalation of g after handling the material
Eye/face protection Skin protection Hand protection Other Respiratory protection Thermal hazards neral hygiene nsiderations	sufficient to main limit), suitable res operation which r below the recommen- res, such as personal Chemical goggles Risk of contact: V supplier. Chemical resistar If engineering cor limits (where app been established exposure concen dust, use suitable Wear appropriate Always observe g and before eating equipment to rem practices.	tain concentrations of spiratory protection mu- nay generate dusts, us mended exposure limit protective equipmer is are recommended. Wear protective gloves int clothing is recommen- htrols do not maintain licable) or to an accep), an approved respirat trations are unknown. e respiratory equipmer e thermal protective clo good personal hygiene g, drinking, and/or smo	an acceptable dust particulat ist be worn. If se appropriate s. nt . Suitable glow anded. airborne conce table level (in tor must be w In case of ina it with particle othing, when n measures, su king. Routinel	e level. If engin es below the C material is grou local exhaust res can be reco countries when orn. Wear air s dequate ventila filter. ecessary. uch as washing y wash work c	eering measures are not DEL (occupational exposure und, cut, or used in any ventilation to keep exposure ommended by the glove w recommended exposure re exposure limits have not upplied respiratory protection ation or risk of inhalation of g after handling the material lothing and protective
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Eye/face protection Skin protection Hand protection Other Respiratory protection	sufficient to maini limit), suitable res operation which r below the recommen- res, such as personal Chemical goggles Risk of contact: V supplier. Chemical resistar If engineering cor limits (where app been established exposure concen dust, use suitable Wear appropriate Always observe g and before eating equipment to rem practices.	tain concentrations of spiratory protection mu- nay generate dusts, us mended exposure limit protective equipmer is are recommended. Vear protective gloves int clothing is recommen- ntrols do not maintain licable) or to an accep), an approved respirat trations are unknown. e respiratory equipmer e thermal protective clo good personal hygiene g, drinking, and/or smo hove contaminants. Ha	an acceptable dust particulat ist be worn. If se appropriate s. nt . Suitable glow anded. airborne conce table level (in tor must be w In case of ina it with particle othing, when n measures, su king. Routinel	e level. If engin es below the C material is grou local exhaust res can be reco countries when orn. Wear air s dequate ventila filter. ecessary. uch as washing y wash work c	eering measures are not DEL (occupational exposure und, cut, or used in any ventilation to keep exposure ommended by the glove w recommended exposure re exposure limits have not upplied respiratory protection ation or risk of inhalation of g after handling the material lothing and protective

Form	Powder or granules.
Colour	White with green flecks.
Odour	Slight ammonia.
Odour threshold	Not available.
рН	7.5 - 8.2

Dicyandiamide (CAS 461-58-5)	
Components	Species Test Results
Acute toxicity	May cause discomfort if swallowed.
Information on toxicological effe	ects
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Dusts may irritate the respiratory tract, skin and eyes.
Ingestion	May cause discomfort if swallowed.
Eye contact	Causes serious eye damage.
Skin contact	Dust or powder may irritate the skin.
Inhalation	Dust may irritate respiratory system. Prolonged inhalation may be harmful.
Information on likely routes of e	xposure
11. Toxicological informat	ion
Hazardous decomposition products	Ammonia. Butyl amide. Phosphoric acid. During combustion: Carbon oxides. Nitrogen oxides. Sulphur oxides.
Incompatible materials	Acids. Strong reducing agents. Strong oxidising agents.
Conditions to avoid	Keep away from heat, sparks and open flame. Contact with incompatible materials. Minimise dusi generation and accumulation.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Chemical stability	Stable under normal temperature conditions.
Reactivity	The product is stable and non reactive under normal conditions of storage and transport.
10. Stability and reactivity	
Oxidising properties	Not oxidising.
Explosive properties	Not explosive. Combustible dust hazard.
Density	29.00 - 34.00 lb/ft³ (20°C)
Viscosity Other information	
Decomposition temperature	Not available. Not available.
Auto-ignition temperature	Not available.
(n-octanol/water)	
Solubility (water) Partition coefficient	Not available.
Solubility(ies)	Appreciable.
Relative density	Not available.
Vapour density	Not available.
Vapour pressure	Not available.
(%) Flammability limit - upper (%)	Not applicable.
Flammability limit - lower (%)	Not applicable.
Upper/lower flammability or exp	
Flammability (solid, gas)	Not applicable.
Evaporation rate	Not available.
Flash point	Not available.
range	
nitial boiling point and boiling	Not available.

Dicyandi	amide (CAS 461-58-5)		
	<u>Acute</u>		
	Dermal		
	LD50	New Zealand white rabbit	> 2000 mg/kg, 24 hours

Components	Species	Test Results		
Inhalation				
LC50	Wistar rat	> 259 mg/m3, 4 hours		
Oral				
LD50	Wistar rat	> 10000 mg/kg		
		> 7000 mg/kg		
N-(n-butyl)-thiophosphoric triamid	e (CAS 94317-64-3)			
Acute				
Dermal				
LD50	Rabbit	> 2000 mg/kg		
Inhalation				
LC50	Wistar rat	> 2.1 mg/l, 4 hours		
Oral				
LD50	Wistar rat	> 2000 mg/kg		
N-methyl-2-pyrrolidone (CAS 872	-50-4)			
Acute				
Dermal	Det			
LD50	Rat	> 5000 mg/kg		
Inhalation				
<i>Mist</i> LC50	Rat	> 5.1 mg/l, 4 hours		
Oral	Nat	> 5.1 mg/l, 4 hours		
LD50	Rat	3605 mg/kg		
Skin corrosion/irritation				
	Prolonged skin contact may cause			
Serious eye damage/eye irritation	Causes serious eye damage.			
Respiratory or skin sensitisation	'n			
Respiratory sensitisation	Not a respiratory sensitiser.			
Skin sensitisation	This product is not expected to cau	se skin sensitisation.		
Germ cell mutagenicity	No data available to indicate produce mutagenic or genotoxic.	ct or any components present at greater than 0.1% are		
Carcinogenicity	Not classifiable as to carcinogenicit	y to humans.		
Reproductive toxicity	May damage fertility or the unborn	child.		
Specific target organ toxicity - single exposure	Not classified.			
Specific target organ toxicity - repeated exposure	Not classified.			
Aspiration hazard	Not an aspiration hazard.			
Chronic effects	Frequent inhalation of dust over a le diseases.	ong period of time increases the risk of developing lung		
12. Ecological information	n			
Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.			

possibility that large or frequent spills can have a harmful or damaging effect on the e			
	Species	Test Results	
61-58-5)			
EC50	Selenastrum capricornutum (Pseudokirchnerella subcapitata)	2.04 g/l, 4 days	
EC50	Daphnia magna	> 3177 mg/l, 48 hours	
	61-58-5) EC50	61-58-5) EC50 Selenastrum capricornutum (Pseudokirchnerella subcapitata)	

Components		Species	Test Results	
Fish	LC50	Lepomis macrochirus	> 1000 mg/l, 96 hours	
		Oncorhynchus mykiss	7700 ppm, 96 hours	
Chronic				
Crustacea	LC50	Daphnia magna	> 100 mg/l, 21 days	
Fish	LC50	Oryzias latipes	> 100 mg/l, 14 days	
N-(n-butyl)-thiophosphoric tri	amide (CAS	94317-64-3)		
Aquatic				
Algae	EC50	Selenastrum capricornutum	280 mg/l, 96 hours	
Crustacea	EC50	Daphnia magna	290 mg/l, 48 hours	
	LC50	Daphnia	350 mg/l, 48 hours	
Fish	LC50	Lepomis macrochirus	1140 mg/l, 96 hours	
N-methyl-2-pyrrolidone (CAS	872-50-4)			
Aquatic				
Acute				
Algae	EC50	Scenedesmus subspicatus	> 500 mg/l, 72 Hours	
Crustacea	EC50	Daphnia magna	> 1000 mg/l, 24 Hours	
Fish	LC50	Oncorhynchus mykiss	> 500 mg/l, 96 Hours	
Chronic				
Crustacea	NOEC	Daphnia magna	12.5 mg/l, 21 days	
rsistence and degradability	No data is	available on the degradability of any ing	gredients in the mixture.	
accumulative potential				
Partition coefficient n-octa N-methyl-2-pyrrolidone (CAS		og Kow) -0.54		
bility in soil	This produ	uct is moderately water soluble and may	disperse in soil.	
ner adverse effects		No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.		
. Disposal consideratio	ons			
posal instructions	Collect an	d reclaim or dispose in sealed containers container in accordance with local/region	s at licensed waste disposal site. Dispose of al/national/international regulations.	
cal disposal regulations		n accordance with all applicable regulation	-	
zardous waste code		code should be assigned in discussion	between the user, the producer and the wast	
ste from residues / unused oducts	product re	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).		
ntaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.			
. Transport information	1			
G				
Not regulated as dangerous	goods.			
A A				
Not regulated as dangerous	goods.			
DG				
Not regulated as dangerous	shoon			

Not regulated as dangerous goods.

Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory information

Canadian regulations

This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Controlled Drugs and Substances Act Not regulated. Export Control List (CEPA 1999, Schedule 3) Not listed. **Greenhouse Gases** Not listed. **Precursor Control Regulations** Not regulated. International regulations **Stockholm Convention** Not applicable. **Rotterdam Convention** Not applicable. **Kyoto Protocol** Not applicable. **Montreal Protocol** Not applicable. **Basel Convention** Dicyandiamide (CAS 461-58-5) International Inventories . . .

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information

Issue date Revision date	12-August-2019 05-August-2020
Version No.	02
Further information	Refer to: OSHA 3371-08 2009, Hazard Communication Guidance for Combustible Dusts NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids
List of abbreviations	EC50: Effective Concentration, 50%. LC50: Lethal Concentration, 50%.

NOTICE: The information contained in this document is based on data considered to be accurate as of the preparation date of this Safety Data Sheet (SDS) and was prepared pursuant to applicable Government regulation(s). This SDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the accuracy or comprehensiveness of the above data and safety information, nor is any authorization given or implied to practice any patented invention without a license. Additional information may be needed to evaluate other uses of the product, including use of the product in combination with any materials or in any processes other than those specifically referenced. Information provided about any hazards that may be associated with the product is not meant to suggest that use of the product in a given application will necessarily result in any exposure or risk to workers or the general public. Purchasers and users of the product are responsible for determining that this product is suitable for the intended use and application. No responsibility can be assumed by vendor for any damage or injury resulting from failure to adhere to recommended uses, or from any hazards inherent to the product. Purchasers and users assume all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. Purchasers and users of the product should explicitly advise their employees, agents, contractors and customers who will use the product of this SDS.