

SAFETY DATA SHEET

CAN 17 17-0-0 Calcium Ammonium Nitrate Solution

Section 1. Identification

GHS product identifier	: CAN 17 17-0-0 Calcium Ammonium Nitrate Solution
Other means of identification	: Product code: 2503-14208
Product type	: Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Identified uses	
Fertilizer solution	
Uses advised against	Reason
None.	Risk assessment.

Supplier's details	: Agrium Canada Partnership (A Subsidiary of Nutrien Ltd.) 13131 Lake Fraser Drive, S.E. Calgary, Alberta, Canada, T2J 7E8
	Nutrien US LLC. (A Subsidiary of Nutrien Ltd.) 5296 Harvest Lake Drive Loveland, CO 80538
	Company phone number (North America): 1-800-403-2861 (Customer Service)
Emergency telephone number (with hours of operation)	 Mutrien 24 Hr Emergency Telephone Numbers: English: Transportation Emergencies: 1-800-792-8311 Medical Emergencies: 1-303-389-1653
	French or Spanish: Tranportation or Medical Emergencies: 1-303-389-1654

Section 2. Hazards identification

OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	: SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
GHS label elements	
Hazard pictograms	
Signal word	: Warning
Hazard statements	: Causes serious eye irritation.
Precautionary statements	
Prevention	: Wear eye or face protection. Wash hands thoroughly after handling.
Response	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Storage	: Not applicable.
Disposal	: Not applicable.
Hazards not otherwise classified	: None known.

Section 3. Composition/information on ingredients

Substance/mixture

: Mixture.

CAS number/other identifiers CAS number

: See below.

Ingredient name	%	CAS number
Nitric acid, calcium salt, tetrahydrate	37	13477-34-4
Water	33	7732-18-5
Ammonium nitrate	29	6484-52-2
Urea	1	57-13-6

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	 Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. If irritation persists, get medical attention.
Inhalation	 No known significant effects or critical hazards. If any ill effects are felt, proceed as follows. Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor.
Skin contact	: No known effect after skin contact. Rinse with water for a few minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.
Ingestion	: Nitrate based product. May be irritating to mouth, throat and stomach. May cause methemoglobinemia (a condition that interferes with the oxygen-carrying capacity of the blood) if ingested in large quantities or over a prolonged period of time. Oral exposures: if the affected person requires CPR, avoid mouth to mouth contact. Do not induce vomiting. If vomiting occurs, attempt to keep head lower than chest so that vomit does not enter the lungs. Wash (decontaminate) face and mouth with water to remove visible material. If the exposed person is conscious and can swallow, give 1-2 sips of water. Do not give anything else by mouth. Loosen tight clothing such as collar, tie, belt or waistband to prevent any breathing restrictions. Call for emergency transportation to a hospital if the exposed person feels sick or has breathing difficulties, or a large amount is suspected ingested. For additional advice, call the medical emergency number on this SDS or your poison center or doctor.

Most important symptoms/effects, acute and delayed

Potential acute health	n effects
Eye contact	: Causes serious eye irritation.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: May cause irritation of the digestive tract with accompanying nausea, vomiting and diarrhea. May interfere with the oxygen carrying capacity of the blood if ingested in large quantities or over a prolonged period of time. Persons with anemia, bowel diseases, or infants, are more likely to develop effects. Over-exposure by ingestion is unlikely under normal working conditions.
Over-exposure signs/	/symptoms
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness

Section 4. First aid measures

Inhalation	: When exposed to high temperatures, may produce hazardous decomposition products, such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc. Adverse symptoms may include the following: headache respiratory tract irritation Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Skin contact	: No specific data.
Ingestion	: May cause irritation of the digestive tract with accompanying nausea, vomiting and diarrhea.
Indication of immediate med	lical attention and special treatment needed, if necessary
Notes to physician	: In case of inhalation of decomposition products (carbon monoxide, carbon dioxide, nitrogen oxides) in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for up to 72 hours. In cases of suspected methemoglobinemia, monitor methemoglobin blood levels. Treatment is supportive; methylene blue may be indicated based on patient severity. 24 Hr Medical Emergency telephone number for professional support: English: 1-303-389-1653; French or Spanish: 1-303-389-1654.
Specific treatments	: Call the medical emergency number on this SDS or your poison center or doctor immediately if large quantities have been ingested. In cases of suspected methemoglobinemia, methylene blue may be indicated based on patient severity.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. Mouth- to-mouth resuscitation of oral exposure patients is not recommended. First-aiders with contaminated clothing should be properly decontaminated.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Non-flammable. Material will not burn. Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.
Specific hazards arising from the chemical	: Not an oxidizer at the manufactured concentration. It may become an oxidizing liquid if concentrated by evaporation. If evaporated to dryness, the product acts as an oxidizing agent, and supports combustion by liberating oxygen even if smothered. Cool containing vessels with flooding quantities of water until well after fire is out. A self contained breathing apparatus should be used to avoid inhalation of toxic fumes. When heated to decomposition it emits toxic fumes (NH3, N0, N02). Contaminated water can cause environmental damage. Contain and collect water used to fight fire.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon monoxide nitrogen oxides
Special protective actions for fire-fighters	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.
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.
Remark	: Non-combustible. Decomposes on heating. Evolves toxic fumes when heated to decomposition.
Remark	: Dangerous if allowed to dry out. Residue may exhibit oxidizing properties.

Section 6. Accidental release measures

Personal precautions, protec	tive equipment and emergency procedures	
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Put on appropriate personal protective equipment.	
For emergency responders	: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".	
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 adverse impacts (sewers, waterways, soil or air).	
Methods and materials for containment and cleaning up		
Small spill	: Use personal protective equipment as required. 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	: Use personal protective equipment as required. 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. Pump spilled material to a suitable, labeled container for recycling or disposal. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.	

Section 7. Handling and storage

Precautions for safe handling	
Protective measures	: Put on appropriate personal protective equipment (see Section 8). 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.
Advice on general occupational hygiene	: 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. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	: 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. Incompatible with copper alloys. May form corrosive sludge on prolonged storage. Contact your sales representative or a metallurgical specialist to ensure compatability with your equipment. While this product, as produced, is not classified as an oxidizer, it is important to prevent conditions during handling and storage which may result in concentration of the product which may encourage it to behave as an oxidizer. Ensure that pumps are thermally protected against exceeding a temperature of 66 deg. C (150 deg. F). Also ensure that piping sytems, if insulated, are not externally heated (heat traced). Refer to NFPA 400 Hazardous Materials Code for further information on the safe storage and handling of hazardous materials.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits	
Ammonium nitrate	OSHA (United States): Particulates not otherwise regulated (PNOR) TWA (8 hours), Total dust: 15 mg/m ³ ; Respirable fraction: 5 mg/m ³ .	
Calcium nitrate	OSHA (United States): Particulates not otherwise regulated (PNOR) TWA (8 hours), Total dust: 15 mg/m ³ ; Respirable fraction: 5 mg/m ³ .	
Urea	OSHA (United States): Particulates not otherwise regulated (PNOR) TWA (8 hours), Total dust: 15 mg/m ³ ; Respirable fraction: 5 mg/m ³ . AIHA WEEL	
Water	None assigned.	
Appropriate engineering controls	: 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.	
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.	
Individual protection measu	res_	

individual protection measu	
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.
Eye/face protection	: 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, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
Skin protection	
Hand protection	 The personal protective equipment required varies, depending upon your risk assessment. No special measures are typically indicated.
Body protection	: No special protective clothing is required.
Other skin protection	: Hazard of slipping on spilled product. Recommended: Impervious rubber safety boots.
Respiratory protection	: No personal respiratory protective equipment is normally required.

Section 9. Physical and chemical properties

Appearance					
Physical state	: Liquid. [Clear to slightly hazy liquid.]				
Color	: Not available.				
Odor	Ammoniacal. [Slight]				
Odor threshold	: Not available.				
рН	: 5 to 6				
Melting point	: -2°C (28.4°F)				
Boiling point	: 121°C (249.8°F)				
Flash point	: [Product does not sustain combustion.]				
Evaporation rate	: Not available.				
Flammability (solid, gas)	: Non-combustible. Decomposes on heating. Evolves toxic fumes when heated to decomposition.				
Lower and upper explosive (flammable) limits	: Not applicable.				
Vapor pressure	: Not available.				
Vapor density	: Not available.				
Date of issue/Date of revision	: 6/13/2018 Date of previous issue : 1/1/2018 Version : 1.4 5/11				

Section 9. Physical and chemical properties

Relative density	: 1.5
Solubility	: Easily soluble in the following materials: cold water and hot water.
Solubility in water	: Water-soluble liquid
Partition coefficient: n- octanol/water	: Not available.
Auto-ignition temperature	: Not applicable.
Decomposition temperature	: Not applicable.
Viscosity	: Not available.
Aerosol product	

Section 10. Stability and reactivity

Reactivity	: Not an oxidizer at the manufactured concentration. It may become an oxidizing liquid if concentrated by evaporation. May react explosively when mixed with chlorinated materials such as hypochlorites.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: Do not allow to dry out. Avoid high temperatures in combination with high pressures.
Incompatible materials	: Incompatible with halogens. May be incompatible with some materials of construction. Contact your sales representative or a metallurgical specialist to ensure compatability with your equipment.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
CAN 17 17-0-0 Calcium Ammonium Nitrate Solution	LD50 Dermal	Rat - Male, Female	>5000 mg/kg	-
	LD50 Oral	Rat - Male, Female	2950 mg/kg	-
Nitric acid, calcium salt, tetrahydrate	LD50 Oral	Rat	3900 mg/kg	-
Water	LD50 Oral	Rat	>90 g/kg	-
Ammonium nitrate	LD50 Oral	Rat	2217 mg/kg	-
	LD50 Oral	Rat - Male, Female	2950 mg/kg	-
Urea	LD50 Oral	Rat	8471 mg/kg	-

Conclusion/Summary : Very low toxicity to humans or animals. Not considered to be acutely toxic.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Ammonium nitrate		Rabbit Rabbit	0 3	-	72 hours 3 days

Conclusion/Summary	
Skin	: Non-irritating to the skin.
Eyes	: Irritating to the eyes.

Sensitization

Date of issue/Date of revision

6/11

Section 11. Toxicological information

• • • • • • • • • • • • • • • • • • • •	Route of exposure	Species	Result
Ammonium nitrate	Skin	Mouse	Not sensitizing

Conclusion/Summary

: Non-sensitizer.

Mutagenicity

Skin

Product/ingredient name	Test	Experiment	Result
Ammonium nitrate	OECD 471 Bacterial Reverse Mutation Test OECD 476 <i>In vitro</i> Mammalian Cell Gene Mutation Test	Experiment: In vitro Subject: Bacteria Experiment: In vitro Subject: Mammalian-Animal	Negative Negative

Conclusion/Summary : No mutagenic effect.

Carcinogenicity

Conclusion/Summary

: No known significant effects or critical hazards. Potential for nitrosamine formation if ingested. Do not ingest.

Reproductive toxicity

Product/ingredient name	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure
Ammonium nitrate	Negative	Negative	Negative	Rat - Male, Female	Oral: 1500 mg/ kg	-

Conclusion/Summary

: No known significant effects or critical hazards.

Teratogenicity

Product/ingredient name	Result	Species	Dose	Exposure
Ammonium nitrate	Negative - Oral	Rat - Female	1500 mg/kg	-

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

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Eye contact Skin contact

Potential acute health effects

Eye contact: Causes serious eye irritation.Inhalation: No known significant effects or critical hazards.Skin contact: No known significant effects or critical hazards.

Ingestion : May cause irritation of the digestive tract with accompanying nausea, vomiting and diarrhea. May interfere with the oxygen carrying capacity of the blood if ingested in large quantities or over a prolonged period of time. Persons with anemia, bowel diseases, or infants, are more likely to develop effects. Over-exposure by ingestion is unlikely under normal working conditions.

Symptoms related to the physical	chemical and toxicological characteristics

Eye contact :	Adverse symptoms may include the following: pain or irritation watering redness
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Section 11. Toxicological information

Inhalation	: When exposed to high temperatures, may produce hazardous decomposition products, such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc. Adverse symptoms may include the following: headache respiratory tract irritation Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Skin contact	: No specific data.
Insection	May cause irritation of the digestive tract with accompanying nausea, vomiting and
Ingestion	diarrhea.

Delayed and immediate effec	ts and also chronic effects from short and long term exposure
Short term exposure	
Potential immediate effects	: See above
Potential delayed effects	: See above
Long term exposure	
Potential immediate effects	: See above
Potential delayed effects	: See below.
Botontial obvonio boolth off	

Potential chronic health effects

Product/ingredient name	Result	Species	Dose	Exposure		
Ammonium nitrate	Chronic NOAEL Oral	Rat - Male, Female	256 mg/kg	-		
Conclusion/Summary	: Repeated or prolonged overexposure may result in chronic health effects. May interfere with the oxygen carrying capacity of the blood if ingested in large quantities or over a prolonged period of time. Persons with anemia, bowel diseases, or infants, are more likely to develop effects. Over-exposure by ingestion is unlikely under normal working conditions.					
General	: No known significant effects or critical hazards.					
Carcinogenicity	: No known significant effects or critical hazards. Potential for nitrosamine formation if ingested. Do not ingest.					
Mutagenicity	: No known significant effects or critical hazards.					
Teratogenicity	: No known significant effects or critical hazards.					
Developmental effects	: No known significant effect	s or critical hazards.				
Fertility effects	: No known significant effect	s or critical hazards.				

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Product/ingredient name	Result	Species	Exposure
Ammonium nitrate	Chronic NOEC 6 to 12 mg/l Fresh water NOEC >1700 mg/l Marine water Acute EC50 490 mg/l Fresh water Acute LC50 447 mg/l Fresh water	Crustaceans - Cladocera Algae Daphnia Fish	21 days 10 days 48 hours 48 hours
Conclusion/Summary	: Very low acute toxicity to fish. May be I quantities.	narmful to the environment if rele	eased in large

Not available. Conclusion/Summary	: Readily biod	degradable			
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Section 12. Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
CAN 17 17-0-0 Calcium Ammonium Nitrate Solution	-	-	Readily

Bioaccumulative potential

Not available.

Mobility in soil	
Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Not available.
Other adverse effects	: No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : 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. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	ΙΑΤΑ
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-	-
Packing group	-	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-	-

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.

Section 15. Regulatory information

U.S. Federal Regulations:	: TSCA 4(a) final test rules: biuret; Urea, reaction products with formaldehyde
	TSCA 8(a) CDR Exempt/Partial exemption: Not determined
	TSCA 8(b) inventory:: All components are listed or exempted.

Section 15. Regulatory information

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	:	Not listed
Clean Air Act Section 602 Class I Substances	:	Not listed
Clean Air Act Section 602 Class II Substances	1	Not listed
DEA List I Chemicals (Precursor Chemicals)	1	Not listed
DEA List II Chemicals (Essential Chemicals)	1	Not listed
SARA 304 RQ	:	Not applicable.
SARA 311/312		
Classification	1	Immediate (acute) health hazard Delayed (chronic) health hazard.

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard.
Nitric acid, calcium salt, tetrahydrate	37	No.	No.	No.	Yes.	No.
Ammonium nitrate	29	No.	No.	No.	Yes.	Yes.

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	· · · · · , · · · · · · , · · · · · · ·	13477-34-4 6484-52-2	37 29
Supplier notification	· · · · · , · · · · · · , · · · · · · ·	13477-34-4 6484-52-2	37 29

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

State regulations		
Massachusetts	: The following components are listed: Ammonium nitrate	
New York	: None of the components are listed.	
New Jersey	: The following components are listed: Calcium nitrate; Nitric acid, calcium salt	
Pennsylvania	: The following components are listed: Nitric acid, ammonium salt	
<u>California Prop. 65</u>		
Not listed.		
International regulations		
International lists		
National inventory		
Canada	: All components are listed or exempted.	
Europe	: All components are listed or exempted.	

Section 16. Other information

<u>History</u>	
Date of issue/Date of revision	: 6/13/2018
Date of previous issue	: 1/1/2018
Version	: 1.4

Section 16. Other information

Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor
	GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations
References	 Transportation of Dangerous Goods Act and Clear Language Regulations, current edition at time of SDS preparation, Transport Canada; Hazardous Products Act and Regulations, current revision at time of SDS preparation,
	Health Canada; Domestic Substances List, current revision at time of SDS preparation, Environment
	Canada;
	29 CFR Part 1910, current revision at time of SDS preparation, U.S. Occupational Safety and Health Administration;
	40 CFR Parts 1-799, current revision at time of SDS preparation, U.S. Environmental Protection Agency;
	49 CFR Parts 1-199, current revision at time of SDS preparation, U.S. Department of Transport;
	Threshold Limit Values for Chemical Substances, current edition at time of SDS
	preparation, American Conference of Governmental Industrial Hygienists; NFPA 400, National Fire Codes, National Fire Protection Association, current edition at time of SDS preparation;
	NFPA 704, National Fire Codes, National Fire Protection Association, current edition at time of SDS preparation;
	Corrosion Data Survey, Sixth Edition, 1985, National Association of Corrosion Engineers;
	ERG 2016, Emergency Response Guidebook, U.S. Department of Transport, Transport Canada, and the Secretariat of Transportation and Communications of Mexico Hazardous Substances Data Bank, current revision at time of SDS preparation, National
	Library of Medicine, Bethesda, Maryland Integrated Risk Information System, current revision at time of SDS preparation, U.S. Environmental Protection Agency, Washington, D.C.
	Pocket Guide to Chemical Hazards, current revision at time of SDS preparation, National Institute for Occupational Safety and Health, Cincinnati, Ohio;
	Agency for Toxic Substances and Disease Registry Databank, current revision at time of SDS preparation, U.S. Department of Health and Human Services, Atlanta, Georgia National Toxicology Program, Report on Carcinogens, Division of the National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina. Registry of Toxic Effects of Chemical Substances. National Institute for Occupational
	Safety and Health, Cincinnati, Ohio The Fertilizer Institute, Product Toxicology Testing Program Results, TFI, Washington , D.C., 2003
Indicates information	that has changed from previously issued version.

Indicates information that has changed from previously issued

Notice to reader

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